APPENDIX D

IT ANALYTICAL DATA AND SUMMARY TABLE

Appendix D

UST Soil Assessment Data Table
for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 4(7)PS										
265	P5678	Boring-1 0'-2'	12/27/90	NA	29	ND	ND	ND	ND	ND
265	P5679	Boring-1 8'-10'	12/27/90	NA	40	600	ND	ND	ND	ND
265	P5680	Boring-1 18'-20'	12/27/90	NA	16	630	ND	ND	ND	ND
265	P5681	Boring-2 0'-2'	12/27/90	NA	12	55	ND	ND	ND	ND
265	P5682	Boring-2 8'-10'	12/27/90	NA	21	250	ND	ND	ND	ND
265	P5683	Boring-2 18'-20'	12/27/90	NA	15	420	ND	ND	ND	ND
265	P5684	Boring-3 0'-2'	12/28/90	NA	16	1000	1.2	ND	2.4	5.6
265	P5685	Boring-3 8'-10'	12/28/90	NA	22	240	ND	ND	ND	ND
265	P5686	Boring-3 18'-20'	12/28/90	NA	21	380	ND	ND	ND	ND
265	P5687	Boring-4 0'-2'	12/28/90	NA	12	890	1.6	ND	1.7	11
265	P5688	Boring-4 8'-10'	12/28/90	NA	8	380	ND	ND	ND	1.1
265	P5689	Boring-4 18'-20'	12/28/90	NA	17	540	ND	ND	ND	ND
265	P5690	Boring-5 0'-2'	12/28/90	NA	13	1300	ND	ND	ND	3.9
265	P5691	Boring-5 8'-10'	12/28/90	NA	21	780	ND	ND	ND	ND
265	P5692	Boring-5 18'-20'	12/28/90	NA	21	280	ND	ND	ND	ND
265	P5693	Boring-6 0'-2'	12/28/90	NA	8	ND	ND	ND	ND	ND
265	P5694	Boring-6 8'-10'	12/28/90	NA	18	260	ND	ND	ND	ND
265	P5695	Boring-6 18'-20'	12/28/90	NA	24	ND	ND	ND	ND	ND

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Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 4(7)PS Continued										
265	C4360	E wall	3/10/91	ND	22	ND	1.2	1.3	ND	2.7
265	C4362	Bottom pit	3/10/91	ND	22	ND	2.3	2.7	1.2	1
265	C4361	S wall of tank pit	3/6/91	ND	36	ND	ND	ND	ND	ND
265	C4403	soil between tank 9&8	3/10/91	ND	18	200	ND	ND	ND	ND
265	C4404	soil between tank 12&13	3/10/91	ND	15	390	ND	ND	ND	ND
265	C4405	soil between tank 15&16	3/10/91	ND	25	230	2000	3600	2400	1900
265	C4363	W wall of pit	3/25/91	ND	5.4	ND	ND	ND	ND	ND
265	C4435	N wall of filter area	3/25/91	ND	6.8	ND	ND	ND	11	ND
265	C4436	S wall of filter area	3/25/91	ND	8.4	ND	ND	ND	ND	ND
265	C4437	Center of filter area	3/25/91	ND	5.3	230	ND	ND	ND	ND
265	C4438	Center hole btwn tank 4&5	3/27/91	ND	15	ND	ND	ND	6	ND
265	C4439	N wall btwn tank 4&5	3/27/91	ND	13	420	ND	ND	ND	ND
265	C4440	S wall btwn tank 475	3/27/91	ND	15	ND	ND	ND	ND	ND
265	C4441	E wall btwn tank 4&5	3/27/91	ND	18	ND	ND	ND	ND	ND
265	C4442	W wall btwn tank 4&5	3/27/91	ND	10	ND	ND	ND	9	ND
265	C4443	Top half btwn tank 4&5	3/27/91	ND	28	25000	ND	ND	ND	ND
265	C4444	S side of tank 4&5	3/27/91	ND	8.7	55000	ND	ND	ND	ND
265	C4445	N side of tank 4&5	3/27/91	ND	9.8	49000	ND	ND	ND	ND
265	C4456	N wall of tank #7	4/9/91	ND	12	100	ND	ND	ND	ND
265	C4457	E wall of tank #7	4/9/91	ND	3.1	ND	ND	ND	ND	ND
265	C4458	Bottom tank #7	4/9/91	ND	18	ND	ND	ND	ND	ND
265	C4459	W wall of tank #7	4/9/91	ND	2.5	160	ND	ND	ND	ND
265	C4460	S wall of tank #7	4/9/91	ND	9.8	ND	ND	ND	ND	ND
265	C4461	Top half of wall tank #7	4/9/91	ND	10	ND	ND	ND	ND	ND
265	C4462	N wall of tank #7	4/9/91	ND	3	140	ND	ND	ND	ND
265	C4463	S wall of tank #7	4/9/91	ND	2	210	ND	ND	ND	ND

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UST Soil Assessment Data Table
for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 39(7)PS										
273	P7667	Boring-1 0'-2'	12/10/90	NA	17	2000	ND	ND	ND	ND
273	P7668	Boring-1 8'-10'	12/10/90	NA	17	3000	ND	ND	ND	ND
273	P7669	Boring-1 18'-20'	12/10/90	NA	22	ND	ND	ND	ND	ND
273	P7670	Boring-2 0'-2'	12/10/90	NA	15	3100	ND	ND	ND	ND
273	P7671	Boring-2 8'-10'	12/10/90	NA	14	1800	ND	ND	ND	ND
273	P7672	Boring-2 18'-20'	12/10/90	NA	18	1700	ND	ND	ND	ND
273	P7673	Boring-3 0'-2'	12/10/90	NA	19	3700	ND	ND	ND	ND
273	P7674	Boring-3 8'-10'	12/10/90	NA	10	3400	ND	ND	ND	ND
273	P7675	Boring-3 18'-20'	12/10/90	NA	14	2800	ND	ND	ND	ND
273	P8003	Boring-4 0'-2'	12/12/90	NA	14	ND	ND	ND	ND	ND
273	P8005	Boring-4 8'-10'	12/12/90	NA	25	400	ND	ND	ND	ND
273	P8004	Boring-4 18'-20'	12/12/90	NA	21	690	ND	ND	ND	ND
273	P8000	Boring-5 0'-2'	12/12/90	NA	29	760	ND	ND	ND	ND
273	P8001	Boring-5 8'-10'	12/12/90	NA	15	810	ND	ND	ND	ND
273	P8002	Boring-5 18'-20'	12/12/90	NA	15	510	2	ND	ND	ND
273	P8012	Boring-6 0'-2'	12/12/90	NA	15	760	ND	ND	ND	ND
273	P8013	Boring-6 8'-10'	12/12/90	NA	11	700	ND	ND	ND	1.1
273	P8014	Boring-6 18'-20'	12/12/90	NA	10	430	ND	ND	ND	ND
273	C4387	NE top of tank	3/7/91	ND	33	ND	ND	ND	ND	ND
273	C4388	West side of tank	3/7/91	ND	30	ND	ND	ND	ND	ND
273	C4389	NW side of tank	3/7/91	ND	25	60	ND	ND	ND	ND
273	C4390	N wall of tank pit	3/7/91	ND	26	110	ND	ND	ND	ND
273	C4391	S wall of tank pit	3/7/91	ND	14	ND	ND	ND	ND	1.3
273	C4392	E wall of tank pit	3/7/91	ND	22	ND	ND	ND	ND	ND
273	C4393	W wall of tank pit	3/7/91	ND	22	82	ND	ND	ND	2.7
273	C4394	SE wall of tank pit	3/7/91	ND	40	160	ND	ND	ND	ND

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UST Soil Assessment Data Table
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Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 16(7)PS										
1394	P8117	Boring-1 0'-2'	12/18/90	NA	3.1	840	ND	ND	ND	ND
1394	P8118	Boring-1 8'-10'	12/18/90	NA	13	230	ND	ND	ND	ND
1394	P8119	Boring-1 18'-20'	12/18/90	NA	14	ND	ND	ND	ND	ND
1394	P8120	Boring-2 0'-2'	12/18/90	NA	9.2	170	ND	ND	ND	ND
1394	P8121	Boring-2 8'-10'	12/18/90	NA	7.9	ND	ND	ND	ND	ND
1394	P8122	Boring-2 18'-20'	12/18/90	NA	14	ND	ND	ND	ND	ND
1394	P8123	Boring-3 0'-2'	12/18/90	NA	0.96	130	ND	ND	ND	ND
1394	P8124	Boring-3 8'-10'	12/18/90	NA	14	430	ND	ND	ND	ND
1394	P8125	Boring-3 18'-20'	12/18/90	NA	16	ND	ND	ND	ND	ND
1394	P8126	Boring-4 0'-2'	12/19/90	NA	17	810	ND	ND	ND	ND
1394	P8127	Boring-4 8'-10'	12/19/90	NA	19	490	ND	ND	ND	ND
1394	P8128	Boring-4 18'-20'	12/19/90	NA	14	ND	ND	ND	ND	ND
1394	P8129	Boring-5 0'-2'	12/19/90	NA	13	3800	ND	ND	ND	ND
1394	P8130	Boring-5 8'-10'	12/19/90	NA	18	600	ND	ND	ND	ND
1394	P8131	Boring-5 18'-20'	12/19/90	NA	7	99	ND	ND	ND	ND
1394	P8132	Boring-6 0'-2'	12/19/90	NA	11	1100	ND	ND	ND	ND
1394	P8133	Boring-6 8'-10'	12/19/90	NA	15	360	ND	ND	ND	ND
1394	P8134	Boring-6 18'-20'	12/19/90	NA	11	280	ND	ND	ND	ND
1394	C4395	SE wall of tank pit	3/9/91	ND	14	ND	2.3	ND	1.4	1.5
1394	C4396	W end of tank hole	3/9/91	ND	11	62	ND	ND	ND	2.5
1394	C4397	N end of tank hole	3/9/91	ND	20	240	ND	ND	ND	1.6
1394	C4398	NW wall of tank pit	3/9/91	ND	16	ND	ND	ND	1.5	2
1394	C4399	NE wall of tank pit	3/9/91	ND	12	ND	ND	ND	ND	ND
1394	C4400	Center wall of tank pit	3/9/91	ND	30	270	ND	ND	ND	ND
1394	C4401	SE wall of tank pit	3/9/91	ND	24	ND	ND	ND	ND	79
1394	C4402	SW wall of tank pit	3/9/91	ND	19	ND	ND	ND	ND	ND

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UST Soil Assessment Data Table
for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 5(7)PS										
326	C4480	Top half of tank	4/18/91	ND	2.2	1900	ND	ND	ND	ND
326	C4481	S side of tank	4/18/91	ND	54	530	ND	ND	ND	ND
326	C4482	N side of tank	4/18/91	ND	15	360	ND	110	7.8	82
326	C4483	N wall of tank	4/17/91	ND	15	300	ND	ND	ND	ND
326	C4484	E wall of tank	4/17/91	ND	18	420	ND	ND	ND	ND
326	C4485	W wall of tank	4/17/91	ND	26	140	ND	ND	ND	ND
326	C4486	Bottom hole of tank	4/17/91	ND	19	140	ND	ND	ND	ND
326	C4487	S side of tank	4/17/91	ND	20	ND	ND	ND	ND	ND

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Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 32(7)PS										
4437	P5696	Boring-1 0'-2'	12/29/90	NA	7	310	1.3	1.8	1	12
4437	P5697	Boring-1 8'-10'	12/29/90	NA	13	ND	ND	ND	ND	ND
4437	P5698	Boring-2 0'-2'	12/28/90	NA	12	150	ND	ND	ND	2
4437	P5699	Boring-2 8'-10'	12/28/90	NA	13	ND	1.8	ND	ND	ND
4437	P8135	Boring-2 0'-2'	12/19/90	NA	13	590	1.1	5.5	1.8	16
4437	P8136	Boring-2 8'-10'	12/19/90	NA	13	130	ND	ND	ND	ND
4437	P5700	Boring-3 0'-2'	12/28/90	NA	6.6	2700	2.3	ND	1	1.8
4437	P5701	Boring-3 8'-10'	12/28/90	NA	14	3700	1.2	ND	ND	ND
4437	P5702	Boring-3 18'-20'	12/28/90	NA	20	1800	2.5	13	1.7	9.7
4437	P5703	Boring-4 0'-2'	12/28/90	NA	6.1	900	2.3	12	3.3	11
4437	P5704	Boring-4 8'-10'	12/28/90	NA	18	210	ND	ND	ND	ND
4437	P5705	Boring-5 0'-2'	12/28/90	NA	12	10000	2.3	2.4	1.7	6.5
4437	P5706	Boring-5 8'-10'	12/28/90	NA	16	ND	4.9	2.9	1.7	2.1
4437	P5707	Boring-5 18'-20'	12/28/90	NA	22	ND	ND	ND	ND	ND
4437	P5708	Boring-6 0'-2'	12/28/90	NA	11	ND	ND	ND	1.9	1.1
4437	P5709	Boring-6 8'-10'	12/28/90	NA	26	1400	1.3	2.4	2.2	2
4437	P5710	Boring-6 18'-20'	12/28/90	NA	13	200	ND	ND	ND	ND
4437	C4379	N end of tank hole	3/5/91	ND	28	2600	59	250	62	160
4437	C4380	S end of tank hole	3/5/91	ND	24	1300	120	390	100	270
4437	C4381	E corner of tank hole	3/5/91	ND	18	1400	ND	ND	ND	ND
4437	C4382	E wall of tank pit	3/5/91	ND	7.2	ND	ND	1.3	ND	3.4
4437	C4383	S wall of tank pit	3/5/91	ND	19	ND	ND	ND	ND	ND
4437	C4384	N wall of tank pit	3/5/91	ND	10	ND	ND	ND	ND	ND
4437	C4385	W wall of tank pit	3/5/91	ND	8	ND	ND	ND	ND	ND
4437	C4386	Center of tank pit	3/5/91	ND	7.7	ND	ND	ND	ND	ND

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UST Soil Assessment Data Table
for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 10(7)PS										
598	P8054	Boring-1 0'-2'	12/15/90	NA	6.6	790	ND	ND	ND	ND
598	P8055	Boring-1 8'-10'	12/15/90	NA	19	ND	ND	ND	ND	ND
598	P8056	Boring-1 18'-20'	12/15/90	NA	17	68	ND	ND	ND	ND
598	P8057	Boring-2 0'-2'	12/15/90	NA	15	640	ND	ND	ND	ND
598	P8058	Boring-2 8'-10'	12/15/90	NA	17	ND	ND	ND	ND	2.2
598	P8059	Boring-2 18'-20'	12/15/90	NA	15	ND	ND	ND	ND	ND
598	P8060	Boring-3 0'-2'	12/15/90	NA	6.7	140	ND	ND	ND	ND
598	P8061	Boring-3 8'-10'	12/15/90	NA	10	ND	ND	ND	ND	ND
598	P8062	Boring-3 18'-20'	12/15/90	NA	12	ND	ND	ND	ND	ND
598	P8063	Boring-4 0'-2'	12/15/90	NA	11	ND	ND	ND	ND	7.1
598	P8064	Boring-4 8'-10'	12/15/90	NA	22	ND	ND	ND	ND	ND
598	P8065	Boring-4 18'-20'	12/15/90	NA	16	ND	ND	ND	ND	ND
598	P8066	Boring-5 0'-2'	12/15/90	NA	20	100	ND	ND	ND	1.6
598	P8067	Boring-5 8'-10'	12/15/90	NA	7	330	ND	ND	ND	1
598	P8068	Boring-5 18'-20'	12/15/90	NA	12	340	ND	ND	ND	ND
598	P8069	Boring-6 0'-2'	12/15/90	NA	5.1	ND	ND	ND	ND	ND
598	P8070	Boring-6 8'-10'	12/15/90	NA	16	ND	ND	ND	ND	ND
598	P8071	Boring-6 18'-20'	12/15/90	NA	13	130	ND	ND	ND	
598	C4371	S end of tank hole	2/26/91	ND	11	ND	ND	2	ND	2.2
598	C4372	E of tank hole	2/26/91	ND	11	66	ND	ND	ND	ND
598	C4373	N end of tank hole	2/26/91	ND	28	77	ND	ND	ND	ND
598	C4374	S wall of tank hole	2/26/91	ND	5.9	ND	ND	ND	ND	ND
598	C4375	W wall of tank hole	2/26/91	ND	5.2	ND	ND	ND	ND	ND
598	C4376	Center of tank hole	2/26/91	ND	5.2	120	ND	ND	ND	ND
598	C4377	N wall of tank hole	2/26/91	ND	7.1	ND	ND	ND	1.9	2.6
598	C4378	E wall of tank hole	2/26/91	ND	5.8	ND	ND	ND	ND	ND

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for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
No Parcel Number										
1693	P8045	Boring-1 0'-2'	12/14/90	NA	10	470	ND	ND	ND	ND
1693	P8046	Boring-1 8'-10'	12/14/90	NA	7.9	210	ND	ND	ND	ND
1693	P8047	Boring-1 18'-20'	12/14/90	NA	16	910	ND	ND	ND	ND
1693	P8048	Boring-2 0'-2'	12/14/90	NA	34	62	ND	ND	ND	ND
1693	P8049	Boring-2 8'-10'	12/14/90	NA	24	690	ND	ND	ND	ND
1693	P8050	Boring-2 18'-20'	12/14/90	NA	15	1300	ND	ND	ND	ND
1693	P8051	Boring-3 0'-2'	12/14/90	NA	12	390	ND	ND	ND	ND
1693	P8052	Boring-3 8'-10'	12/14/90	NA	14	ND	ND	ND	ND	ND
1693	P8053	Boring-3 18'-20'	12/14/90	NA	8.3	ND	ND	ND	1.4	2.6
1693	P8090	Boring-4 0'-2'	12/17/90	NA	13	ND	ND	ND	ND	ND
1693	P8091	Boring-4 8'-10'	12/17/90	NA	22	ND	ND	ND	ND	ND
1693	P8092	Boring-4 18'-20'	12/17/90	NA	120	2000	ND	ND	ND	ND
1693	P8093	Boring-5 0'-2'	12/17/90	NA	15	1300	ND	ND	ND	ND
1693	P8094	Boring-5 8'-10'	12/17/90	NA	12	780	ND	ND	ND	ND
1693	P8095	Boring-5 18'-20'	12/17/90	NA	15	560	2.2	ND	5.4	4.1
1693	P8096	Boring-6 0'-2'	12/17/90	NA	12	ND	ND	ND	ND	ND
1693	P8097	Boring-6 8'-10'	12/17/90	NA	20	370	ND	ND	ND	ND
1693	P8098	Boring-6 18'-20'	12/17/90	NA	21	420	ND	ND	ND	ND
1693	C4339	NW of tank hole	2/7/91	ND	26	820	84	620	ND	840
1693	C4340	SW of tank hole	2/7/91	ND	16	660	ND	1.7	ND	4.6
1693	C4341	E of tank hole	2/7/91	ND	25	2600	ND	ND	ND	ND
1693	C4334	S wall of tank piT	2/6/91	ND	18	710	ND	ND	ND	ND
1693	C4335	E walll of tank pit	2/6/91	ND	17	330	ND	ND	ND	ND
1693	C4336	N wall of tank pit	2/6/91	ND	14	ND	ND	ND	ND	ND
1693	C4337	W wall of tank pit	2/7/91	ND	18	160	ND	ND	ND	ND
1693	C4338	Center of tank pit	2/7/91	ND	17	290	ND	ND	ND	ND

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for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 12(7)PS/PR										
894	P8099	Boring-1 0'-2'	12/17/90	NA	24	4000	ND	ND	ND	ND
894	P8100	Boring-1 8'-10'	12/17/90	NA	13	740	ND	ND	ND	ND
894	P8101	Boring-1 18'-20'	12/17/90	NA	18	6100	ND	ND	ND	ND
894	P8102	Boring-2 0'-2'	12/17/90	NA	47	560	ND	ND	ND	ND
894	P8103	Boring-2 8'-10'	12/17/90	NA	18	190	ND	ND	ND	ND
894	P8104	Boring-2 18'-20'	12/17/90	NA	17	58	ND	ND	ND	ND
894	P8105	Boring-3 0'-2'	12/17/90	NA	22	210	ND	ND	ND	ND
894	P8106	Boring-3 8'-10'	12/17/90	NA	15	ND	ND	ND	ND	ND
894	P8107	Boring-3 18'-20'	12/17/90	NA	18	ND	ND	ND	ND	ND
894	P8108	Boring-4 0'-2'	12/17/90	NA	38	ND	ND	ND	ND	ND
894	P8109	Boring-4 8'-10'	12/17/90	NA	25	120	ND	ND	ND	ND
894	P8110	Boring-4 18'-20'	12/17/90	NA	17	660	ND	ND	ND	ND
894	P8111	Boring-5 0'-2'	12/18/90	NA	17	250	ND	ND	ND	ND
894	P8112	Boring-5 8'-10'	12/18/90	NA	27	ND	ND	ND	ND	ND
894	P8113	Boring-5 18'-20'	12/18/90	NA	15	210	ND	ND	ND	ND
894	P8114	Boring-6 0'-2'	12/18/90	NA	31	ND	ND	ND	ND	ND
894	P8115	Boring-6 8'-10'	12/18/90	NA	9.8	280	ND	ND	ND	ND
894	P8116	Boring-6 18'-20'	12/18/90	NA	15	200	ND	ND	ND	ND

Appendix D

UST Soil Assessment Data Table
for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 12(7)PS/PR Continued										
894-G	C4364	S wall tank hole	2/20/91	ND	NA	270	ND	ND	ND	ND
894-G	C4365	W wall tank hole	2/20/91	ND	NA	240	ND	ND	ND	ND
894-G	C4366	E wall tank hole	2/20/91	ND	NA	5300	ND	ND	ND	ND
894-G	C4367	N wall tank hole	2/20/91	ND	NA	ND	ND	ND	ND	ND
894-G	C4368	NW of tank hole	2/21/91	ND	NA	420	33	120	780	1100
894-G	C4369	SW of tank hole	2/21/91	ND	NA	260	ND	ND	ND	ND
894-G	C4370	NE of tank hole	2/21/91	ND	NA	440	3.8	55	170	310
894-D	C4406	W wall of tank hole	3/15/91	0.022	65	3300	ND	ND	ND	ND
894-D	C4407	SE wall tank hole	3/15/91	0.031	94	900	ND	ND	ND	ND
894-D	C4408	N wall tank hole	3/15/91	0.048	1	1400	ND	ND	ND	ND
894-D	C4409	W wall of tank hole	3/15/91	ND	18	96	ND	ND	ND	ND
894-D	C4410	E wall of tank hole	3/15/91	0.054	20	ND	ND	ND	ND	ND
894-D	C4411	N wall of tank hole	3/15/91	0.043	34	140	ND	4.5	ND	4.6
894-D	C4412	Center of tank hole	3/15/91	0.028	63	ND	ND	ND	ND	ND
894-D	C4413	S wall of tank hole	3/15/91	0.014	34	270	ND	4.4	3.8	29
894-PI	C4429	Pit hole under pump is.	3/21/91	ND	13	ND	ND	ND	ND	ND

Appendix D

UST Soil Assessment Data Table
for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 19(7)PS										
1694	P8030	Boring-1 0'-2'	12/13/90	NA	15	200	ND	ND	ND	ND
1694	P8031	Boring-1 8'-10'	12/13/90	NA	6.8	ND	ND	ND	ND	ND
1694	P8032	Boring-1 18'-20'	12/13/90	NA	13	ND	ND	ND	ND	ND
1694	P8027	Boring-2 0'-2'	12/13/90	NA	7.9	300	ND	ND	ND	ND
1694	P8028	Boring-2 8'-10'	12/13/90	NA	6.2	220	ND	ND	ND	ND
1694	P8029	Boring-2 18'-20'	12/13/90	NA	33	ND	ND	ND	ND	ND
1694	P8033	Boring-3 0'-2'	12/14/90	NA	10	180	ND	ND	ND	ND
1694	P8034	Boring-3 8'-10'	12/14/90	NA	9.8	620	ND	ND	ND	ND
1694	P8035	Boring-3 18'-20'	12/14/90	NA	20	840	ND	ND	ND	ND
1694	P8036	Boring-4 0'-2'	12/14/90	NA	12	1700	ND	ND	ND	ND
1694	P8037	Boring-4 8'-10'	12/14/90	NA	12	440	ND	ND	ND	ND
1694	P8038	Boring-4 18'-20'	12/14/90	NA	46	1100	ND	ND	ND	ND
1694	P8039	Boring-5 0'-2'	12/14/90	NA	24	610	ND	ND	ND	ND
1694	P8040	Boring-5 8'-10'	12/14/90	NA	20	300	ND	ND	ND	ND
1694	P8041	Boring-5 18'-20'	12/14/90	NA	14	1100	ND	ND	ND	ND
1694	P8042	Boring-6 0'-2'	12/14/90	NA	16	630	ND	ND	ND	ND
1694	P8043	Boring-6 8'-10'	12/14/90	NA	14	510	ND	ND	ND	ND
1694	P8044	Boring-6 18'-20'	12/14/90	NA	14	210	ND	ND	ND	ND
1694	C4351	NW of tank hole	2/8/91	ND	12	570	ND	ND	ND	ND
1694	C4352	NE of tank hole	2/8/91	ND	9	300	ND	ND	ND	ND
1694	C4353	SW of tank hole	2/9/91	0.26	13	600	ND	ND	ND	ND
1694	C4354	Center of tank hole	2/9/91	ND	13	310	ND	ND	ND	ND
1694	C4355	N wall of tank hole	2/9/91	ND	17	690	ND	ND	ND	ND
1694	C4356	S wall of tank hole	2/9/91	ND	12	470	ND	ND	ND	ND
1694	C4357	E wall of tank hole	2/9/91	ND	12	340	ND	ND	ND	ND
1694	C4358	W wall of tank hole	2/9/91	ND	30	590	ND	ND	ND	ND
1694	C4359	SE wall of tank hole	2/11/91	ND	83	290	ND	ND	ND	ND

Appendix D

UST Soil Assessment Data Table
for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
Parcel No. 33(7)PS										
S-55	P8072	Boring-1 0'-2'	12/16/91	NA	9.5	490	ND	ND	ND	ND
S-55	P8073	Boring-1 8'-10'	12/16/91	NA	15	ND	ND	ND	ND	ND
S-55	P8074	Boring-1 18'-20'	12/16/91	NA	9	390	ND	ND	ND	ND
S-55	P8075	Boring-2 0'-2'	12/16/91	NA	8.6	3800	ND	ND	ND	ND
S-55	P8076	Boring-2 8'-10'	12/16/91	NA	21	ND	ND	ND	ND	ND
S-55	P8077	Boring-2 18'-20'	12/16/91	NA	14	120	ND	ND	ND	ND
S-55	P8078	Boring-3 0'-2'	12/16/91	NA	18	36000	ND	ND	ND	ND
S-55	P8079	Boring-3 8'-10'	12/16/91	NA	11	ND	ND	ND	ND	ND
S-55	P8080	Boring-3 18'-20'	12/16/91	NA	15	ND	ND	ND	ND	ND
S-55	P8081	Boring-4 0'-2'	12/16/91	NA	98	ND	ND	ND	ND	ND
S-55	P8082	Boring-4 8'-10'	12/16/91	NA	31	ND	ND	ND	ND	ND
S-55	P8083	Boring-4 18'-20'	12/16/91	NA	600	ND	ND	ND	ND	ND
S-55	P8084	Boring-5 0'-2'	12/16/91	NA	18	180	ND	ND	ND	ND
S-55	P8085	Boring-5 8'-10'	12/16/91	NA	21	ND	ND	ND	ND	ND
S-55	P8086	Boring-5 18'-20'	12/16/91	NA	22	ND	ND	ND	ND	ND
S-55	P8087	Boring-6 0'-2'	12/16/91	NA	10	ND	ND	ND	ND	ND
S-55	P8088	Boring-6 8'-10'	12/16/91	NA	12	ND	ND	ND	ND	ND
S-55	P8089	Boring-6 18'-20'	12/16/91	NA	14	ND	ND	ND	ND	ND
S-55	C4416	SE of tank pit	3/19/91	ND	5.1	ND	ND	ND	ND	ND
S-55	C4417	W side of tank pit	3/19/91	ND	62	180	ND	ND	ND	ND
S-55	C4418	N side of tank pit	3/19/91	ND	10	ND	ND	ND	ND	ND
S-55	C4419	E wall of tank pit	3/19/91	ND	9.4	170	ND	ND	ND	ND
S-55	C4420	W wall of tank pit	3/19/91	ND	9.4	ND	ND	ND	ND	ND
S-55	C4421	N wall of tank pit	3/19/91	ND	8.6	ND	ND	ND	ND	ND
S-55	C4422	S wall of tank pit	3/19/91	ND	10	140	ND	ND	ND	ND
S-55	C4423	Center of tank pit	3/19/91	ND	12	ND	ND	ND	ND	ND

Appendix D

UST Soil Assessment Data Table
for Sites Without Closure Reports
Fort McClellan
Calhoun County, Alabama

Bldg No.	Sample ID No.	Sample Location	Sample Date	Pb-TCLP mg/L	Pb-Total mg/kg	TPH-9071 mg/kg	Benzene ug/kg	Ethybenzene ug/kg	Toluene ug/kg	Xylenes ug/kg
No Parcel Number										
1689	P8006	Boring-1 6'-8'	2/12/90	NA	140	61	1.8	ND	ND	ND
1689	P8007	Boring-1 14'-16'	2/12/90	NA	26	64	1.4	ND	ND	ND
1689	P8008	Boring-1 18'-20'	2/12/90	NA	25	55	2.1	ND	ND	ND
1689	P8009	Boring-2 2'-4'	2/12/90	NA	32	65	ND	ND	ND	1
1689	P8010	Boring-2 8'-10'	2/12/90	NA	26	ND	ND	ND	ND	1
1689	P8011	Boring-2 18'-20'	2/12/90	NA	19	58	1.8	2.4	ND	ND
1689	P8015	Boring-3 0'-2'	12/13/90	NA	41	490	ND	ND	ND	ND
1689	P8016	Boring-3 8'-10'	12/13/90	NA	11	1100	ND	ND	ND	ND
1689	P8017	Boring-3 18'-20'	12/13/90	NA	12	ND	4.1	ND	ND	ND
1689	P8018	Boring-4 0'-2'	12/13/90	NA	15	ND	ND	ND	ND	ND
1689	P8019	Boring-4 8'-10'	12/13/90	NA	9.9	670	1.5	ND	ND	ND
1689	P8020	Boring-4 18'-20'	12/13/90	NA	21	130	ND	ND	ND	ND
1689	P8021	Boring-5 0'-2'	12/13/90	NA	0.82	71	ND	ND	ND	ND
1689	P8022	Boring-5 8'-10'	12/13/90	NA	19	580000	ND	ND	ND	ND
1689	P8023	Boring-5 18'-20'	12/13/90	NA	14	86	40	ND	ND	ND
1689	P8024	Boring-6 0'-2'	12/13/90	NA	8.8	ND	ND	ND	ND	ND
1689	P8025	Boring-6 8'-10'	12/13/90	NA	22	ND	140	ND	1.2	3.5
1689	P8026	Boring-6 18'-20'	12/13/90	NA	17	ND	ND	ND	ND	ND

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/15/91

Work Order: BO-12-155

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL INVESTIGATION 306703-000
Date Received: 12/17/90
Number of Samples: 4
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE ON PAGE 9 OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8029	BO-12-155-15
P8030	BO-12-155-16
P8031	BO-12-155-17
P8032	BO-12-155-18

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-155

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

SAMPLE ID	P8029	P8030	P8031	
SAMPLED	12/13/90	12/13/90	12/13/90	
TEST				UNITS
LEAD	33	15	6.8	mg/kg
-FURNACE	[2.1]	[1.0]	[1.0]	
OIL AND GREASE	ND	200	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-155

SAMPLE ID	P8032	
SAMPLED	12/13/90	
TEST		UNITS
LEAD	13	mg/kg
-FURNACE	[1.1]	
OIL AND GREASE	ND	mg/kg
SOIL 9071	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-155

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8029
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/18/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-155

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8030
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/18/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8031
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/18/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-155

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8032
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/18/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

FORT McCLELLEN

* HIGHER DETECTION LIMITS REPORTED DUE TO MATRIX EFFECT. LABORATORY QC NOT ACHIEVED AT A 1 X DILUTION ON SAMPLE ID's P8029,P8030,P8031 AND P8032. SAMPLES RERUN OUTSIDE OF HOLDING TIME.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

B012155

R/A Control No. 25-43
C/C Control No. 1606

PROJECT NAME: Ft. McClellan
PROJECT NUMBER: 306203
PROFIT CENTER NUMBER: [illegible]
PROJECT MANAGER: Dick [illegible]
BILL TO: [illegible]

PURCHASE ORDER NO.: [illegible]

DATE SAMPLES SHIPPED: 12/13/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Pert Allen

DATE REPORT REQUIRED: One week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Requested Testing Program	Special Instructions
BETX (8020), TPH (9071), lead (6010) TKN	

(Rush [illegible] approval [illegible] Project Manager.)

(Project [illegible])

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I ✓ II ____ III ____ Project Specific ____

IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

(Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Disposal by Lab ✓ Archive 3 (Indicate number of months.)

Received by ____ Date / Time ____

[illegible] accompany samples

126A-10-85

B012154

INTERNATIONAL TECHNOLOGY CORPORATION

[illegible] OF CUSTODY RECORD

R/A Control No. 258930

C/C Control No. 160635

PROJECT NAME/NUMBER [illegible] ITAS

SAMPLE TEAM MEMBERS [illegible] NO.

Sample Number	Sample Location and Description			Condition on Receipt (Name and Date)	Disposal Record No.
P 8015	1689 (B3) 0-2		[illegible]		
P 8016	1689 (B3) 8-10				
P 8017	1689 (B3) 18-[illegible]				
P 8018	1689 (B4) 0-2				
P 8019	1689 (B4) [illegible]				
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible] 1043			
[illegible]	[illegible]	[illegible]/90 1105			
[illegible]	[illegible]	12/13/90 1244			

[illegible] Date and Time)

[illegible] 12/13/90

3. Relinquished By:

Received by:

4. Relinquished By:

Received By:

WHITE - To [illegible] any samples
YELLOW - [illegible]

B012154

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258932
C/C Control No. 160 6[illegible]

PROJECT NAME: Ft Mc Clellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen [illegible]
PURCHASE ORDER NO.: Ajs 90437

DATE SAMPLES SHIPPED: 10/13/90
LAB DESTINATION: IT ES
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 8025	soil	250 ml	ice	DETX(8020), TPH(9071), lead(GF) 7421	
P 8026					
P 8027					

[illegible]UND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
[illegible] ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II _____ III _____ Project Specific _____

[illegible]LE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
[illegible] ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

[illegible] DISPOSAL (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

[illegible]

[illegible] LAB USE ONLY

Received by _____ Date/Time _____

126A 10 85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012154

R/A Control No. 25932

C/C Control No. 160628

PROJECT NAME/NUMBER Ft McClellan 201703

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	[illegible]	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8025	1689(B6) 8-10	[illegible]	Soil	Glass		
P8026	1689(B6) 18-20	[illegible] 1316				
P8027	1694 (B2) 0-2	[illegible]/90 1440				
P8028	1694 (B2) 8-10	[illegible]/90 1420				
P8029	1694 (B2) 18-20	12/13/90 1530				
P8030	1694 ([illegible]) 0-2	12/13/90 1420				
		12/13/90 1434				
		12/13/90 1445				

(Name, Company, Date and Time)

[illegible]ished By: Lori Ferguson 12/13/90

[illegible]ed By:

[illegible]inquished By:

[illegible]eived By:

3. Relinquished By:

Received by:

4. Relinquished By:

Received By:

[illegible]mpany samples
[illegible]copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/15/91

Work Order: B0-12-155

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL INVESTIGATION 306703-000
Date Received: 12/17/90
Number of Samples: 4
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE ON PAGE 9 OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8029	B0-12-155-15
P8030	B0-12-155-16
P8031	B0-12-155-17
P8032	B0-12-155-18

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-155

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

SAMPLE ID	P8029	P8030	P8031	
SAMPLED	12/13/90	12/13/90	12/13/90	
TEST				UNITS
LEAD	33	15	6.8	mg/kg
-FURNACE	[2.1]	[1.0]	[1.0]	
OIL AND GREASE	ND	200	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

SAMPLE ID	P8032	
SAMPLED	12/13/90	
TEST		UNITS
LEAD	13	mg/kg
-FURNACE	[1.1]	
OIL AND GREASE	ND	mg/kg
SOIL 9071	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8029
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/18/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8030
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/18/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8031
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/18/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-15!

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8032
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/18/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

FORT McCLELLEN

* HIGHER DETECTION LIMITS REPORTED DUE TO MATRIX EFFECT. LABORATORY QC NOT ACHIEVED AT A 1 X DILUTION ON SAMPLE ID's P8029,P8030,P8031 AND P8032. SAMPLES RERUN OUTSIDE OF HOLDING TIME.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-155

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012155

B012155

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 25093
C/C Control No. 16065

PROJECT NAME: Ft. McClellan
PROJECT NUMBER: 306203
PROFIT CENTER NUMBER: [illegible]
PROJECT MANAGER: Dick [illegible]
BILL TO: [illegible]

PURCHASE ORDER NO.

DATE SAMPLES SHIPPED: 12/13/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Fort Allen

DATE REPORT REQUIRED: One-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.

	Requested Testing Program	Special Instructions
	BETX (8020), TPH (9071), lead (GF) TCLP	

(Rush [illegible] approved [illegible] Project Manager.)

(Subject to [illegible])

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I ✓ II ____ III ____ Project Specific ____

IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

(Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Disposal by Lab ✓ Archive 3 (Indicate number of months.)

Received by ____ Date/Time ____

[illegible] accompany samples

126A-10-85

B012154

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258930

C/C Control No. 160635

PROJECT NAME/NUMBER [illegible] DESTINATION IT As

SAMPLE TEAM MEMBERS Lali [illegible] WELL NO.

Sample Number	Sample Location and Description	[illegible]	[illegible]	[illegible]	Condition on Receipt (Name and Date)	Disposal Record No.
P 8015	1689 (B3) D-2	[illegible]	[illegible]	glass		
P 8016	1689 (B3) 8-10	[illegible]	[illegible]	[illegible]		
P 8017	1689 (B3) 18-[illegible]	[illegible]	[illegible]	[illegible]		
P 8018	1689 (B4) D-2	[illegible]	[illegible]	[illegible]		
P 8019	1689 (B4) [illegible]	[illegible]	[illegible]	[illegible]		
P 8020	1689 (B4) [illegible]	[illegible] 0105	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible] 1025	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible] 1043	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]/90 1105	[illegible]	[illegible]		
[illegible]	[illegible]	6/12/90 1144	[illegible]	[illegible]		

[illegible] (Company, Date and Time)

[illegible] 6/12/90

[illegible] By:

[illegible] By:

3. Relinquished By:

Received by:

4. Relinquished By:

Received By:

WHITE - To [illegible] any samples
YELLOW - [illegible]

B012154

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258932
C/C Control No. 160 6[illegible]

PROJECT NAME: Ft Ms Clellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767
PURCHASE ORDER NO.: Ajs 90437

DATE SAMPLES SHIPPED: 10/13/90
LAB DESTINATION: IT ES
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 8025	soil	250 ml	ice	BETX(8020), TPH(9071), lead(GF) 7421	
P 8026					
P 8027					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible]					
[illegible]					

[illegible]UND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
[illegible] ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II _____ III _____ Project Specific _____

[illegible]LE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
[illegible] ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

[illegible] DISPOSAL (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

[illegible]

[illegible] LAB USE ONLY

Received by _____ Date/Time _____

126A 10 85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012154 R/A Control No. 25932

C/C Control No. 160628

PROJECT NAME/NUMBER Ft McClellan 206303 USE/DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date	Time	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8025	1689(B6) 8-10	[illegible]	[illegible]	Soil	Glass		
P8026	1689(B6) 18-20	[illegible]	1310				
P8027	1694 (B2) 0-2	[illegible]	1440				
P8028	1694 (B2) 8-10	[illegible]	1420				
P8029	1694 (B2) 18-20	12/12/90	1530				
P8030	1694 (B2) 0-2	12/12/90	1420				
		12/12/90	1434				
		12/12/90	1445				

(Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/12/90

Received By:

Relinquished By:

Received By:

3 Relinquished By:

Received by:

4. Relinquished By:

Received By:

[illegible] company samples
[illegible] copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/28/91

Work Order: B0-12-254 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: FT MCCLELLEN 306703-000
Date Received: 12/31/90
Number of Samples: 21
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE AT REAR OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P5678	B0-12-254-01
P5679	B0-12-254-02
P5680	B0-12-254-03
P5681	B0-12-254-04
P5682	B0-12-254-05
P5683	B0-12-254-06
P5684	B0-12-254-07
P5685	B0-12-254-08
P5686	B0-12-254-09
P5687	B0-12-254-10

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000 Work Order: BO-12-254

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P5688	BO-12-254-11
P5689	BO-12-254-12
P5690	BO-12-254-13
P5691	BO-12-254-14
P5692	BO-12-254-15
P5693	BO-12-254-16
P5694	BO-12-254-17
P5695	BO-12-254-18
P5696	BO-12-254-19
P5697	BO-12-254-20
P5698	BO-12-254-21

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

SAMPLE ID	P5678	P5679	P5680	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	29	40	16	mg/kg
-FURNACE	[3.5]	[4]	[2]	
OIL AND GREASE	ND	600	630	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

SAMPLE ID	P5681	P5682	P5683	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	12	21	15	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	55	250	420	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

SAMPLE ID	P5684	P5685	P5686	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	16	22	21	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	1000	240	380	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

SAMPLE ID	P5687	P5688	P5689	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	12	8	17	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	890	380	540	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

SAMPLE ID	P5690	P5691	P5692	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	13	21	21	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	1300	780	280	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

SAMPLE ID	P5693	P5694	P5695	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	8	18	24	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	ND	260	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

SAMPLE ID	P5696	P5697	P5698	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	7	13	12	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	310	ND	150	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5678**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5679**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5680**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	50
Ethylbenzene	* ND	50
Toluene	* ND	50
Xylenes (total)	* ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5681**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5682**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5683**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	**ND	50
Ethylbenzene	**ND	50
Toluene	**ND	50
Xylenes (total)	**ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5684**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	1.2	1
Ethylbenzene	ND	1
Toluene	2.4	1
Xylenes (total)	5.6	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5685**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5686**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	**ND	50
Ethylbenzene	**ND	50
Toluene	**ND	50
Xylenes (total)	**ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000 Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5687**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	1.6	1
Ethylbenzene	ND	1
Toluene	1.7	1
Xylenes (total)	11	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: BO-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5688**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/02/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	1.1	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5689**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	50
Ethylbenzene	* ND	50
Toluene	* ND	50
Xylenes (total)	* ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5690**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

Results in	ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	3.9	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5691**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5692**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	50
Ethylbenzene	* ND	50
Toluene	* ND	50
Xylenes (total)	* ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5694**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5695**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	50
Ethylbenzene	* ND	50
Toluene	* ND	50
Xylenes (total)	* ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5696**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	1.3	1
Ethylbenzene	1.8	1
Toluene	1.0	1
Xylenes (total)	12	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5697**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-254

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5698**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/03/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	2.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000 Work Order: B0-12-254

FORT McCLELLEN

* Higher detection limit due to Matrix on Sample ID P5680, P5689, P5692, and P5695.

** Sample Matrix is charcoal on Sample ID P5683 & P5686. Medium level prep was used on BTEX.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000 Work Order: B0-12-254

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

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INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 241855

C/C Control No. 160731

PROJECT NAME/NUMBER Fort McClellan / ~~306575~~ 306703 JT

LAB DESTINATION IT Austin

SAMPLE TEAM MEMBERS R. Melnar

CARRIER/WAYBILL NO. 9604476232

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P5688	265 B-4 8'-10'	12-28-90 AM	Soil	Glass	Good Cond. 1°C	
P5689	265 B-4 18'-20'	12-28-90 PM			[illegible]	
P5690	265 B-5 0'-2'	12-28-90 PM			[illegible]	
P5691	265 B-5 8'-10'	12-28-90 PM			12/31/90	
P5692	265 B-5 18'-20'	12-28-90 PM				
P5693	265 B-6 0'-2'	12-28-90 PM				
P5694	265 B-6 8'-10'	" PM				
P5695	265 B-6 18'-20'	" PM				
P5696	4477 B-1 0-2'	12-29-90 AM				
P5697	4477 B-1 8'-10'	12-29-90 AM				

Special Instructions: All sample analyze using Methods 9071, 8020 & 7421

Possible Sample Hazards: None

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: IT 12-29-90 1405
   Received By: [illegible] IT 12/31/90 0890

2. Relinquished By:
   Received By:

3. Relinquished By:
   Received by:

4. Relinquished By:
   Received By:

WHITE - To [illegible] pany samples
YELLOW - R[illegible] py

INTERNATIONAL TECHNOLOGY CORPORATION

B012254
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CHAIN-OF-CUSTODY RECORD

R/A Control No. 241856

C/C Control No. 160732

PROJECT NAME/NUMBER Fort McClellan/~~306575~~ 306703 B

LAB DESTINATION IT Austin

SAMPLE TEAM MEMBERS R. M. Inur

CARRIER/WAYBILL NO. 9604476232

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
PS698	4437 B-2 0'-2'	12-28-90 PM	Soil	Glass	Good Cond 1°C	
PS699	4437 B-2 8'-10'				So Nonconformance	
PS700	4437 B-3 0'-2'				J. Kolinsky	
PS701	4437 B-3 8'-10'				12/31/90	
PS702	4437 B-3 18'-20'					
PS703	4437 B-4 0'-2'					
PS704	4437 B-4 8'-10'					
PS705	4437 B-5 0'-2'					
PS706	4437 B-5 8'-10'					
PS707	4437 B-5 18'-20'					

Special Instructions: All samples analyze using Methods 9071, 8020 & 7421

Possible Sample Hazards: None

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: [signature] IT 12-29-90 1405

Received By: J. Kolinsky IT 12/31/90 0840

2. Relinquished By:

Received By:

3. Relinquished By:

Received by:

4. Relinquished By:

Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 241857

C/C Control No. 160733

PROJECT NAME/NUMBER Fort McClellan/~~306575~~ 306703 B

LAB DESTINATION IT Austin

SAMPLE TEAM MEMBERS R. Milner

CARRIER/WAYBILL NO. 9604476232

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P5708	4473 B-6 0-2'	12-28-90 PM	Soil	Glass	Good Cond 1°C	
P5709	4473 B-6 8'-10'	∫ ∫	∫	∫	See Nonconformance	
P5710	4473 B-6 18'-20'				[illegible] 12/31/90	

Special Instructions: All samples analyze using Methods 9071, 8020 & 7421

Possible Sample Hazards: None

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: [signature] IT 12-29-90 1405

   Received By: [signature] IT 12/31/90 0840

2. Relinquished By: _____

   Received By: _____

3. Relinquished By: _____

   Received by: _____

4. Relinquished By: _____

   Received By: _____

WHITE - To [illegible]any samples
YELLOW - F[illegible]y

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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241856
C/C Control No. 160732

PROJECT NAME: Fort McClellan
PROJECT NUMBER: ~~306575~~ 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd.
Port Allen, LA 70767
PURCHASE ORDER NO.: AS90439

DATE SAMPLES SHIPPED: 12-29-90
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Toni Spinelli
SEND LAB REPORT TO: Dick Johnson
Same
DATE REPORT REQUIRED:
PROJECT CONTACT: Same
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
PS698	Soil	2-4 oz. jars	ICE	Oil & Grease/TPH Method 9071	
PS699				BTEX Method 8020	
PS700				Lead/Furnace Method 7421	
PS701					
PS702					
PS703					
PS704					
PS705					
PS706					
PS707					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive ____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [illegible] Date/Time 12/31/90 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241855
C/C Control No. 160731

PROJECT NAME: Fort McClellan
PROJECT NUMBER: ~~306575~~ 306703 B
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd.
Port Allen, LA 70767
PURCHASE ORDER NO.: AJ590435

DATE SAMPLES SHIPPED: 12-29-90
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
1150 LeBlanc Rd.
Port Allen, LA 70767
DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P5688	Soil	2-4oz jars	ICE	Oil & Grease (TPH Method 9071)	All Samples will have all 3 Methods performed
P5689				BTEX METHOD 8020	
P5690				Lead (Furnace Method 7421)	
P5691					
P5692					
P5693					
P5694					
P5695					
P5696					
P5697					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive ____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/31/90 0840

WHITE - [illegible], to accompany samples
YELLOW - Field copy

126A-10-85

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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241854
C/C Control No. 16073D

PROJECT NAME: Fort McClelland
PROJECT NUMBER: ~~306575~~ 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd.
Port Allen, LA 70767
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12-29-90
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Toni Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
1150 LeBlanc Rd.
DATE REPORT REQUIRED: Port Allen, LA 70767
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P5678	Soil	2.4oz Jars	ICE	Oil & Grease/TPH Method 9071	
P5679				BTEX Method 8020	
P5680				Lead/Furnace Method 7421	
P5681					
P5682					
P5683					
P5684					
P5685					
P5686					
P5687					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive ____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/31/90 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B012254
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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241857
C/C Control No. 160733

PROJECT NAME: Fort McClellan
PROJECT NUMBER: ~~306575~~ 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd.
Port Allen, LA 70767
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12-29-90
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Toni Spinelli
SEND LAB REPORT TO: Dick Johnson
Same
DATE REPORT REQUIRED:
PROJECT CONTACT: Same
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P5708	Soil	2-4oz. jars	ICE	Oil & Grease/TPH Method 9071	
P5709	↓	↓	↓	BETX, Method 802	
P5710	↓	↓	↓	Lead/Furnace Method 7421	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab ✓ Archive _____ (Indicate number of months.)

FOR LAB USE ONLY
Received by: T. Kalinowski
Date/Time: 12/31/90 0840

WHITE - O[illegible], to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 04/16/91

Work Order: B1-03-134 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL ANALYSIS 306703-000
Date Received: 03/12/91
Number of Samples: 14
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE AT REAR OF REPORT.

Samples were labeled as follows:

	SAMPLE IDENTIFICATION	LABORATORY #
265	C4360	B1-03-134-01
	C4362	B1-03-134-02
273	C4387	B1-03-134-03
	C4388	B1-03-134-04
	C4389	B1-03-134-05
	C4390	B1-03-134-06
	C4391	B1-03-134-07
	C4392	B1-03-134-08
	C4393	B1-03-134-09
	C4394	B1-03-134-10

Reviewed and Approved:

Neal Salcher for

Diane M. Nichols
Laboratory Manager

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories
American Association for Laboratory Accreditation

IT Analytical Services • 5307 Industrial Oaks Boulevard, Suite 160, Austin, TX 78735 • (512) 892-6684 681-1-89

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
C4395	B1-03-134-11
C4396	B1-03-134-12
C4397	B1-03-134-13
C4398	B1-03-134-14

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II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

SAMPLE ID	C4360	C4362	C4387	
SAMPLED	03/10/91	03/10/91	03/07/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	22 [2.4]	22 [2.5]	33 [2.5]	mg/kg
TCLP EXTRACTION	03/27/91	03/27/91	03/27/91	date
OIL AND GREASE SOIL 9071	ND [50]	ND [50]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-13

SAMPLE ID	C4388	C4389	C4390	
SAMPLED	03/07/91	03/07/91	03/07/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	30 [2.5]	25 [2.2]	26 [2.5]	mg/kg
TCLP EXTRACTION	03/27/91	03/27/91	03/27/91	date
OIL AND GREASE SOIL 9071	ND [50]	60 [50]	110 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

SAMPLE ID	C4391	C4392	C4393	
SAMPLED	03/07/91	03/07/91	03/07/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	14 [1.3]	22 [2.5]	22 [2.5]	mg/kg
TCLP EXTRACTION	03/27/91	03/27/91	03/27/91	date
OIL AND GREASE SOIL 9071	ND [50]	ND [50]	82 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-13

SAMPLE ID	C4394	C4395	C4396	
SAMPLED	03/07/91	03/09/91	03/09/91	
TEST				UNITS
LEAD-TCLP	ND	ND	ND	mg/L
EXTRACTION	[0.25]	[0.25]	[0.25]	
LEAD	40	14	11	mg/kg
-FURNACE	[15]	[2.4]	[2.5]	
TCLP	03/27/91	03/27/91	03/27/91	date
EXTRACTION				
OIL AND GREASE	160	ND	62	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

SAMPLE ID	C4397	C4398	
SAMPLED	03/09/91	03/09/91	
TEST			UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	20 [2.5]	16 [2.2]	mg/kg
TCLP EXTRACTION	03/27/91	03/27/91	date
OIL AND GREASE SOIL 9071	240 [50]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-13

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4360
SAMPLE DATE: 03/10/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* 1.2	1
Ethylbenzene	* 1.3	1
Toluene	* ND	1
Xylenes (total)	* 2.7	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4362
SAMPLE DATE: 03/10/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* 2.3	1
Ethylbenzene	* 2.7	1
Toluene	* 1.2	1
Xylenes (total)	* 1.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-13

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4387
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4388
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4389
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4390
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-13

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4391
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* 1.3	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4392
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4393
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* 2.7	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4394
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-13

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4395
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	2.3	1
Ethylbenzene	ND	1
Toluene	1.4	1
Xylenes (total)	1.5	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4396
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	2.5	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-13

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4397
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	1.6	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4398
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	1.5	1
Xylenes (total)	2.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

FORT McCLELLEN

LEAD MATRIX SPIKE WAS NOT RECOVERED DUE TO HIGH CONCENTRATION OF ANALYTE IN THE SAMPLE. BATCH ACCEPTED ON THE BASIS OF RPD BETWEEN BLANK SPIKE I AND BLANK SPIKE II RECOVERIES.

* SAMPLE FRACTIONS 01 THROUGH 09 FOR BTEX. (C4360,C4362,C4387,C4388,C4389,C4390,C4391,C4392,C4393) WERE SHOT WITHIN HOLDING TIME ON THE FIRST SHOT BUT CHECK STANDARDS ETHLYBENZENE AND P-XYLENE WERE SLIGHTLY OUT OF QC RANGE (116% AND 117%). THE ACCEPTABLE LIMIT IS 115%. THE SECOND SHOTS WERE OUT OF HOLDING TIME.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **ICPES Digestion - Water** TEST CODE **3005**

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

INTERNATIONAL TECHNOLOGY CORPORATION

B103134 ~~B103135~~ B

REQUEST FOR ANALYSIS

R/A Control No. 240931
C/C Control No. 2108705

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT corp, 1150 LeBlanc Rd, port allen La, 70767
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 3-11-91
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson, 1150 LeBlanc Rd, port allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4360	soil	125 ml	none	TPH by 9071, BTEX 5030+8020	
" "	↓	↓	↓	Lead 7421, TCLP 1311	
C4362	↓	↓	↓	TPH by 9071, BTEX 5030+8020	
" "	↓	↓	↓	Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] ITAS-Aus Date/Time 3/12/91 0850

WHITE - Or[illegible] to accompany samples
YELLOW - Field copy

126A-10-85

B1031 ~~B103135~~ B

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240431

C/C Control No. 210875

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W McCray SR.

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4360	East wall - area # 265	3-10-91 1715	Soil	125 ml	Good Cond 1°C	
" "	" "		↓	↓	JL 3/12/91	
C4362	north west wall area # 265	3-10-91 1725	↓	↓	↓	
" "	& Representing bottom pit sample		↓	↓	↓	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McCray Sr 3-11-91

   Received By: [signature] 3/12/91 0850 ITAS-Aus

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B103134 ~~B103135~~ TB

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 107383
C/C Control No. 192932

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp.
1150 Le Blanc Rd
Port Allen La, 70767

PURCHASE ORDER NO. AJS90439

DATE SAMPLES SHIPPED: 3-11-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
I.T corp.
1150 LeBlanc Rd. Port allen La

DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO. 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4387	Soil	125 ML	None	TPH by 9071, BTEX 5030 + 8020	
" "				Lead 7421, TCLP 1311	
C4388				TPH by 9071, BTEX 5030 + 8020	
" "				Lead 7421, TCLP 1311	
C4389				TPH by 9071, BTEX 5030 + 8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)

Normal ✓ Rush _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)

Nonhazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)

Return to Client _____ Disposal by Lab ✓

FOR LAB USE ONLY

Received By [signature] Date/Time 3/12/91 0830

WHITE - Or[illegible] to accompany samples
YELLOW - [illegible]py

B1031 ~~B10313~~ TB

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 107383

C/C Control No. 192932

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS John Glide

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4387	north east top of tank # 273 (random	3-7-91 1425	Soil	125 ml	Good Cond 1°C	
" "	" "					
C4388	west side of tank # 273 (random)	1420			[illegible] 3/12/91	
" "						
C4389	north west side of tank # 273 (random)	1425				
" "						

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McGuy Sr. I.T corp 3-11-91

   Received By: [illegible] ITAS-Ars 3/12/91 0850

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

B103134 ~~B103135~~ 13

REQUEST FOR ANALYSIS

R/A Control No. 107382
C/C Control No. 192930

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROJECT MANAGER: Dick Johnson
BILL TO: I.T Corp
1150 Le Blanc Rd.
Port Allen La, 70767
PURCHASE ORDER NO. AJS90439

DATE SAMPLES SHIPPED: 3-11-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinoll
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd
Port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO. 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4390	soil	125 ml	none	TPH by 9071, Btex, 5030 + 8020	
" "				Lead 7421, TCLP 1311	
C4391				TPH by 9071, Btex 5030 + 8020	
" "				Lead 7421, TCLP 1311	
C4392				TPH by 9071, Btex 5030 + 8020	
" "				Lead 7421, TCLP 1311	
C4393				TPH by 9071, Btex 5030 + 8020	
" "				Lead 7421, TCLP 1311	
C4394				TPH by 9071, Btex 5030 + 8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)

Normal ✓ Rush _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)

Nonhazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)

Return to Client _____ Disposal by Lab ✓

FOR LAB USE ONLY

Received By [signature] ITAS Aus Date/Time 3/12/91 0950

WHITE - Original to accompany samples
YELLOW - Lab copy

B1031? ~~B10313~~ T3

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 107382

C/C Control No. 192930

PROJECT NAME/NUMBER Ft McClellan / 306763

LAB DESTINATION I.T. Austin

SAMPLE TEAM MEMBERS John Olide

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4390	north wall of tank pit # 273	3-7-91 1430	soil	125 ML	Good Cond 1°C	
" "	" "	1435			03/12/91	
C4391	south wall of tank pit # 273	1440				
" "	" "	1445				
C4392	East wall of tank pit # 273	1450				
" "	" "					
C4393	West wall of tank pit # 273					
" "	" "					
C4394	southeast wall of tank pit # 273					
" "	" "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McGuy Jr. 3-11-91

   Received By: John ITAS-AUS 3/12/91 0850

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B103134 ~~B103135~~ TS

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 240928
C/C Control No. 182825

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306763
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp
1150 LeBlanc Rd
Port allen La, 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 3-9-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd.
port allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4395	Soil	125 ML	None	TPH By 9071, BTex 5030+8020	
" "	↓	↓	↓	Lead 7421, TCLP 1311	
C4396	↓	↓	↓	TPH by 9071, BTex 5030+8020	
" "	↓	↓	↓	Lead 7421, TCLP 1311	
C4397	↓	↓	↓	TPH by 9071, BTex 5030+8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] ITAS-AUS Date/Time 3/12/91 0950

WHITE - O[illegible] to accompany samples
YELLOW - Field copy

126A-10-85

B1031 ~~B103135~~ T3

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 24-128

C/C Control No. 182825

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray SR.

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4395	southeast wall of tank hole #1394 (Random	3-9-91 1245	Soil	125 ML	Good IC	
" "	" "				COND	
C4396	West end of tank hole #1394 (Random	1255			3/12/91	
" "	" "					
C4397	north end of tank hole #1394 (Random	1310				
" "	" "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray SR. I-T Corp. 3-9-91

   Received By: [illegible] 3/12/91 FTAS-Aus 3/12/91 0850

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B103134

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 240909
C/C Control No. 182826

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp, 1150 LeBlanc Rd, Port Allen La, 70867
PURCHASE ORDER NO.: AJS96439

DATE SAMPLES SHIPPED: 3-9-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson, 1150 LeBlanc Rd., Port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4398	Soil	125 ml	None	TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4399				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	
C4400				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	
C4401				TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4402				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ____ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] ITASAUS Date/Time 3/12/91 0850

WHITE - O[illegible] to accompany samples
YELLOW - Field copy

126A-10-85

B103134

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240.04

C/C Control No. 182826

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray Jr.

CARRIER/WAYBILL NO. 0420407144

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4398	North west wall of pit #1394	3-9-91 4:10	Soil	125 ML	Good Cond 1°C	
" "	" "				3/12/91	
C4399	North East wall of tank pit #1394	4:25				
" "	" "					
C4400	Center wall of tank pit #1394	4:40				
" "	" "					
C4401	South east wall of tank pit #1394	5:00				
" "	" "					
C4402	South west wall of tank pit #1394	515				
" "	" "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Jr. 3-9-91

   Received By: [signature] ITAS Aus 3/12/91 0850

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT Corporation | Date: April 21, 1991

Attn: Mr. Dick Johnson

Job Number 21361 | P.O. Number AJS90439

This is the Certificate of Analysis for the following samples:

Client Project ID:	Ft. McClellan Project
Date Received:	April 10, 1991
Work Order:	X1-04-077
Number of Samples:	8
Sample Type:	Soil

I. Introduction

Eight soil samples arrived at ITAS Cincinnati on April 10, 1991. The samples were sent for analytical work in support of monitoring work on the Ft. McClellan Project. The samples were collected on April 9, 1991 and were labeled as follows:

Soil # C-4456	Soil # C-4459	Soil # C-4462
Soil # C-4457	Soil # C-4460	Soil # C-4463
Soil # C-4458	Soil # C-4461	

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information, the analytical results, and the appropriate detection limits.

The analysis requested are listed on the following page.

Reviewed and Approved by:

Bruce Rohrbach
Project Manager
104077

II. Analytical Results/Methodology (cont.)

* Benzene, Toluene, Ethyl Benzene and Xylenes by EPA Method 8020

* Lead by Graphite Furnace Atomic Absorption Spectroscopy; EPA Method 7421

III. Quality Control

Immediately following the analytical data for the samples can be found the QA/QC information that pertains to these samples. The purpose of this information is to demonstrate that the data enclosed is scientifically valid and defensible. This QA/QC data is used to assess the laboratory's performance during the analysis of the samples it accompanies. All quantitations were performed from within the calibrated range of the analytical instrument.

Client: Ft. McClellan
Work Order: X1-04-077
10407702

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analtical Results, ug/kg

Client Sample ID	Lab No.	Benzene	Toluene	Ethyl Benzene	Xylene
Soil # C-4456	01	ND	ND	ND	ND
Soil # C-4457	02	ND	ND	ND	ND
Soil # C-4458	03	ND	ND	ND	ND
Soil # C-4459	04	ND	ND	ND	ND
Soil # C-4460	05	ND	ND	ND	ND
Soil # C-4461	06	ND	ND	ND	ND
Soil # C-4462	07	ND	ND	ND	ND
Soil # C-4463	08	ND	ND	ND	ND
Method Blank	BLK001	ND	ND	ND	ND
Method Blank	BLK002	ND	ND	ND	ND
Detection Limit		5	5	5	5

Client: Ft. McClellan
Work Order: X1-04-077
10407704

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, ug/g

Client Sample ID	Lab No.	Lead
Soil # C-4456	01	12
Soil # C-4457	02	3.1
Soil # C-4458	03	18
Soil # C-4459	04	2.5
Soil # C-4460	05	9.8
Soil # C-4461	06	10
Soil # C-4462	07	3.0
Soil # C-4463	08	2.0
Detection Limit		0.7

Quality Control
Standard Reference Solution

Analyte	Theoretical Value	Percent Recovery
Lead	0.075	105.2, 104.8

$$\% \text{ recovery} = \frac{\text{surrogate recovered}}{\text{surrogate added}} \times 100$$

Client: Ft. McClellan
Work Order: X1-04-077
10407703

IT ANALYTICAL SERVICES
CINCINNATI, OH

BTEX Surrogate Recovery, Percent

alpha, alpha, alpha-Trifluorotoluene

Client Sample ID	Lab No.	Percent Recovery
Soil # C-4456	01	81
Soil # C-4457	02	73
Soil # C-4458	03	76
Soil # C-4459	04	69
Soil # C-4460	05	61
Soil # C-4461	06	56
Soil # C-4462	07	64
Soil # C-4463	08	44
Method Blank	BLK001	94
Method Blank	BLK002	87

All recoveries within internal QC limits.

$$\% \text{ recovery} = \frac{\text{surrogate recovered}}{\text{surrogate added}} \times 100$$

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT Corporation
1150 Leblanc Road
Port Allan, LA 70767

Date: April 21, 1991

Attn: Mr. Dick Johnson

Job Number 21361

P.O. Number AJS90439

This is the Certificate of Analysis for the following samples:

Client Project ID:	Ft. McClellan Project
Date Received:	April 10, 1991
Work Order:	X1-04-068
Number of Samples:	8
Sample Type:	Soil

I. Introduction

Eight soil samples arrived at ITAS Cincinnati on April 10, 1991. The samples were sent for analytical work in support of monitoring work on the Ft. McClellan Project. The samples were collected on April 9, 1991 and were labeled as follows:

Soil # C-4456	Soil # C-4459	Soil # C-4462
Soil # C-4457	Soil # C-4460	Soil # C-4463
Soil # C-4458	Soil # C-4461	

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information, the analytical results, and the appropriate detection limits.

The analyses requested are listed on the following page.

Reviewed and Approved by:

Bruce Rohrbach
Project Manager
104068

II. Analytical Results/Methodology (cont.)

* Oil and Grease by EPA Method 9071

* TCLP Lead by Inductively Coupled Plasma Spectroscopy; EPA Methods 1311 and 6010

III. Quality Control

Immediately following the analytical data for the samples can be found the QA/QC information that pertains to these samples. The purpose of this information is to demonstrate that the data enclosed is scientifically valid and defensible. This QA/QC data is used to assess the laboratory's performance during the analysis of the samples it accompanies. All quantitations were performed from within the calibrated range of the analytical instrument.

Client: Ft. McClellan
Work Order: X1-04-068
10406802

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, mg/L

Client Sample ID	Lab No.	Lead
(TCLP)		
Soil # C-4456	01	ND
Soil # C-4457	02	ND
Soil # C-4458	03	ND
Soil # C-4459	04	ND
Soil # C-4460	05	ND
Soil # C-4461	06	ND
Soil # C-4462	07	ND
Soil # C-4463	08	ND
Detection limit		0.1

ND = Not detected above the reported detection limit

Quality Control
Standard Reference Solution

Analyte	Theoretical Value	Percent Recovery
(TCLP) Lead	2	94.9

Client: Ft. McClellan
Work Order: X1-04-068
10406805

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, ug/g

Client Sample ID	Lab No.	Oil & Grease
Soil # C-4456	01	100
Soil # C-4457	02	ND
Soil # C-4458	03	ND
Soil # C-4459	04	160
Soil # C-4460	05	ND
Soil # C-4461	06	ND
Soil # C-4462	07	140
Soil # C-4463	08	210
Detection Limit		100

ND = Not detected above the reported detection limit

X1-04-18

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240032

C/C Control No. 57546

PROJECT NAME/NUMBER Ft. McClellan / 306203

LAB DESTINATION IT Cincinnati

SAMPLE TEAM MEMBERS W. McCray Sr.

CARRIER/WAYBILL NO. 2827745045

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4456	North wall of tank #7 area #265	4-9-91 1300	soil	125 ml	Samples received cold and in good condition, but without chain-of-custody seals either on shipping cooler or individual sample containers. 4/10/91 Nicholas W. Plummer	
" "		"				
C4457	East wall of tank #7 Area #265	1320				
" "	" "	"				
C-4458	North west wall of Tank #7-area #265	1330				
" "	" {Representing bottom} "	"				
C4459	West wall of tank #7 Area #265	1345				
" "	" "	"				
C4460	South wall of tank #7 Area #265	1355				
" "	" "	"				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McCray Sr. 3-9-91 - ITCorp.

   Received By: Nicholas W. Plummer 4-10-91 ITAS 09:15am

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples

YELLOW - Field copy

X1-04-068

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240629

C/C Control No. 57547

PROJECT NAME/NUMBER Ft. McClellan / 306703

LAB DESTINATION I.T Cincinnati

SAMPLE TEAM MEMBERS W. M. McGray Sr.

CARRIER/WAYBILL NO. 2827745045

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4461	Top half of wall Tank #7 (Random)	4-9-90 0900	soil	125 ml Gals	Samples received cold and in	
" "	" Area # 265 "	"			good condition, but without	
C-4462	north wall of tank #7 (Random) #265	0915			chain-of-custody seals on either	
" "	" "	"			the shipping coolers or the	
C 4463	south wall of tank #7 (random) #265	0930			individual sample containers.	
" "	" "	"			4/10/91 Nicholas W. Plummer	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William M. McGray Sr. 3-9-91 - I.T Corp.

   Received By: Nicholas W. Plummer 4-10-91 IT/AS 09:15am

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples

YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/28/91

Work Order: B0-12-255 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: FT MCCLELLEN 306703-000
Date Received: 12/31/90
Number of Samples: 12
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE AT REAR OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P5699	B0-12-255-22
P5700	B0-12-255-23
P5701	B0-12-255-24
P5702	B0-12-255-25
P5703	B0-12-255-26
P5704	B0-12-255-27
P5705	B0-12-255-28
P5706	B0-12-255-29
P5707	B0-12-255-30
P5708	B0-12-255-31

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000 Work Order: B0-12-255

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P5709	B0-12-255-32
P5710	B0-12-255-33

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-255

SAMPLE ID	P5699	P5700	P5701	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	13	6.6	14	mg/kg
-FURNACE	[2.2]	[1.0]	[1.9]	
OIL AND GREASE	ND	2700	3700	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000 Work Order: B0-12-255

SAMPLE ID	P5702	P5703	P5704	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	20	6.1	18	mg/kg
-FURNACE	[2.4]	[1.1]	[1.9]	
OIL AND GREASE	1800	900	210	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-255

SAMPLE ID	P5705	P5706	P5707	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	12	16	22	mg/kg
-FURNACE	[2.2]	[2.0]	[2.0]	
OIL AND GREASE	10000	ND	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-255

SAMPLE ID	P5708	P5709	P5710	
SAMPLED	12/28/90	12/28/90	12/28/90	
TEST				UNITS
LEAD	11	26	13	mg/kg
-FURNACE	[1.8]	[2.2]	[1.8]	
OIL AND GREASE	ND	1400	200	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5699**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/04/91

	Results in ug/kg:	Detection Limit
Benzene	1.8	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5700**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/04/91

	Results in ug/kg:	Detection Limit
Benzene	2.3	1
Ethylbenzene	ND	1
Toluene	1.0	1
Xylenes (total)	1.8	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5701**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/04/91

	Results in ug/kg:	Detection Limit
Benzene	1.2	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: BO-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5702**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/04/91

	Results in ug/kg:	Detection Limit
Benzene	2.5	1
Ethylbenzene	13	1
Toluene	1.7	1
Xylenes (total)	9.7	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5703**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/05/91

	Results in ug/kg:	Detection Limit
Benzene	2.3	1
Ethylbenzene	12	1
Toluene	3.3	1
Xylenes (total)	11	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000 Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5704**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/08/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	50
Ethylbenzene	* ND	50
Toluene	* ND	50
Xylenes (total)	* ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5705**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/05/91

	Results in ug/kg:	Detection Limit
Benzene	2.3	1
Ethylbenzene	2.4	1
Toluene	1.7	1
Xylenes (total)	6.5	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5706**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/05/91

	Results in ug/kg:	Detection Limit
Benzene	4.9	1
Ethylbenzene	2.9	1
Toluene	1.7	1
Xylenes (total)	2.1	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5707**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/08/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	50
Ethylbenzene	* ND	50
Toluene	* ND	50
Xylenes (total)	* ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5708**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/05/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	1.9	1
Xylenes (total)	1.1	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5709**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/05/91

	Results in ug/kg:	Detection Limit
Benzene	1.3	1
Ethylbenzene	2.4	1
Toluene	2.2	1
Xylenes (total)	2.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-255

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **P5710**
SAMPLE DATE: **12/28/90**
ANALYSIS DATE: 01/08/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	50
Ethylbenzene	* ND	50
Toluene	* ND	50
Xylenes (total)	* ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B0-12-255

FORT McCLELLEN

* Higher detection limits due to Matrix interference.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/28/91
Client Work ID: FT MCCLELLEN 306703-000 Work Order: BO-12-255

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012254
55

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241854
C/C Control No. 16073D

PROJECT NAME: Fort McClelland
PROJECT NUMBER: ~~306575~~ 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd.
Port Allen, LA 70767
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12-29-90
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Toni Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
1150 LeBlanc Rd.
DATE REPORT REQUIRED: Port Allen, LA 70767
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P5678	Soil	2-4oz Jars	ICE	Oil & Grease/TPH Method 9071	
P5679				BTEX Method 8020	
P5680				Lead/Furnace Method 7421	
P5681					
P5682					
P5683					
P5684					
P5685					
P5686					
P5687					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive ____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/31/90 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B012254
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INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 241854

C/C Control No. 160730

PROJECT NAME/NUMBER Fort McClellan/ ~~306575~~ 306703 B

LAB DESTINATION IT Austin

SAMPLE TEAM MEMBERS R. Milner

CARRIER/WAYBILL NO. 9604476232

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P5678	265 B-1 0'-2'	12-27-90 PM	Soil	Glass	Good Cond 1°C	
P5679	265 B-1 8'-10'	12-27-90 PM			See Nonconformance	
P5680	265 B-1 18'-20'	12-27-90 PM			[illegible]	
P5681	265 B-2 0'-2'	12-27-90 PM			12/31/90	
P5682	265 B-2 8'-10'	12-27-90 PM				
P5683	265 B-2 18-20'	12-27-90 PM				
P5684	265 B-3 0'-2'	12-28-90 AM				
P5685	265 B-3 8'-10'					
P5686	265 B-3 18'-20'					
P5687	265 B-4 0'-2'					

Special Instructions: All samples analyze using Methods 9071, 8020 & 7421

Possible Sample Hazards: None

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: [signature] 12-29-90 1405

   Received By: [signature] IT 12/31/90 0840

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To [illegible] any samples
YELLOW - F[illegible]y

B012254
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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241855
C/C Control No. 160731

PROJECT NAME: Fort McClellan
PROJECT NUMBER: ~~306575~~ 306703 B
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp, 1150 LeBlanc Rd., Port Allen, LA 70767
PURCHASE ORDER NO.: AJ590439

DATE SAMPLES SHIPPED: 12-29-90
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson, IT Corp, 1150 LeBlanc Rd., Port Allen, LA 70767
DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P5688	Soil	2-4oz jars	ICE	Oil & Grease / TPH Method 9071	All Samples will have all 3 Methods performed
P5689				BTEX METHOD 8020	
P5690				Lead (Furnace Method 7421)	
P5691					
P5692					
P5693					
P5694					
P5695					
P5696					
P5697					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive ____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/31/90 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

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INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 241855

C/C Control No. 160731

PROJECT NAME/NUMBER Fort McClellan / ~~306575~~ 306703 JT

LAB DESTINATION IT Austin

SAMPLE TEAM MEMBERS R. Milner

CARRIER/WAYBILL NO. 9604476232

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P5688	265 B-4 8'-10'	12-28-90 AM	Soil	Glass	Good Cond. 1°C	
P5689	265 B-4 18'-20'	12-28-90 PM			See Performance Evaluation	
P5690	265 B-5 0'-2'	12-28-90 PM				
P5691	265 B-5 8'-10'	12-28-90 PM			12/31/90	
P5692	265 B-5 18'-20'	12-28-90 PM				
P5693	265 B-6 0'-2'	12-28-90 PM				
P5694	265 B-6 8'-10'	" PM				
P5695	265 B-6 18'-20'	" PM				
P5696	4477 B-1 0-2'	12-29-90 AM				
P5697	4477 B-1 8'-10'	12-29-90 AM				

Special Instructions: All sample analyze using Methods 9071, 8020 & 7421

Possible Sample Hazards: None

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: IT 12-29-90 1405
   Received By: IT 12/31/90 0890
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field

B012254
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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241856
C/C Control No. 160732

PROJECT NAME: Fort McClellan
PROJECT NUMBER: ~~306575~~ 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd.
Fort Allen, LA 70767
PURCHASE ORDER NO.: NS90439

DATE SAMPLES SHIPPED: 12-29-90
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Toni Spinelli
SEND LAB REPORT TO: Dick Johnson
Same
DATE REPORT REQUIRED:
PROJECT CONTACT: Same
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
PS698	Soil	2-4 oz. jars	ICE	Oil & Grease/TPH Method 9071	
PS699				BTEX Method 8020	
PS700				Lead/Furnace Method 7421	
PS701					
PS702					
PS703					
PS704					
PS705					
PS706					
PS707					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab ✓ Archive _____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [illegible] Date/Time 12/31/90 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

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CHAIN-OF-CUSTODY RECORD

R/A Control No. 241856

C/C Control No. 160732

PROJECT NAME/NUMBER Fort McClellan/~~306575~~ 306703 B

LAB DESTINATION IT Austin

SAMPLE TEAM MEMBERS R. McInnes

CARRIER/WAYBILL NO. 9604476232

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
PS698	4437 B-2 0'-2'	12-28-90 PM	Soil	Glass	Good Cond 1°C	
PS699	4437 B-2 8'-10'				No Nonconformance	
PS700	4437 B-3 0'-2'				T. Malinsky	
PS701	4437 B-3 8'-10'				12/31/90	
PS702	4437 B-3 18'-20'					
PS703	4437 B-4 0'-2'					
PS704	4437 B-4 8'-10'					
PS705	4437 B-5 0'-2'					
PS706	4437 B-5 8'-10'					
PS707	4437 B-5 18'-20'					

Special Instructions: All samples analyze using Methods 9071, 8020 & 7421

Possible Sample Hazards: None

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: [signature] - IT 12-29-90 1405

   Received By: T. Malinsky, IT 12/31/90 0840

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To [illegible] any samples
YELLOW - F[illegible]

B012254
55

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241857
C/C Control No. 160733

PROJECT NAME: Fort McClellan
PROJECT NUMBER: ~~306575~~ 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd.
Port Allen, LA 70767
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12-29-90
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Toni Spinelli
SEND LAB REPORT TO: Dick Johnson
Same
DATE REPORT REQUIRED:
PROJECT CONTACT: Same
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P5708	Soil	2-4oz. jars	ICE	Oil & Grease/TPH Method 9071	
P5709	"	"	"	BETX, Method 802	
P5710	"	"	"	Lead/Furnace Method 7421	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ____ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive ____ (Indicate number of months.)

FOR LAB USE ONLY
Received by: [signature] Date/Time: 12/31/90 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 241857

C/C Control No. 160733

PROJECT NAME/NUMBER Fort McClellan/~~306575~~ 306703

LAB DESTINATION IT Austin

SAMPLE TEAM MEMBERS R. Milner

CARRIER/WAYBILL NO. 9604476232

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
PS708	4473 B-6 0-2'	12-28-90 PM	Soil	Glass	Good Cond 1°C	
PS709	4473 B-6 8'-10'	" "	"	"	See Nonconformance	
PS710	4473 B-6 18'-20'	" "	"	"	Memo dated 12/31/90	

Special Instructions: All samples analyze using Methods 9071, 8020, & 7421

Possible Sample Hazards: None

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: [signature] IT 12-29-90 1405

Received By: [signature] IT 12/31/90 0840

2. Relinquished By: _____

Received By: _____

3. Relinquished By: _____

Received by: _____

4. Relinquished By: _____

Received By: _____

WHITE - To[illegible] any samples
YELLOW - F[illegible]y

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 03/26/91

Work Order: B1-02-241 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: TANK HOLE 894 306703-000
Date Received: 02/22/91
Number of Samples: 8
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
C4364	B1-02-241-01
C4365	B1-02-241-02
C4366	B1-02-241-03
C4367	B1-02-241-04
C4368	B1-02-241-05
C4369	B1-02-241-06
C4370	B1-02-241-07
C4370 MATRIX SPIKE	B1-02-241-08

Reviewed and Approved:

Diane Nichols

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894 306703-000 Work Order: B1-02-2

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-241

SAMPLE ID	C4364	C4365	C4366	
SAMPLED	02/20/91	02/20/91	02/20/91	
TEST				UNITS
LEAD-TCLP	ND	ND	ND	mg/L
EXTRACTION	[0.25]	[0.25]	[0.25]	
TCLP EXTRACTION	03/07/91	03/07/91	03/07/91	date
OIL AND GREASE	270	240	5300	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894 306703-000 Work Order: B1-02-24

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

SAMPLE ID	C4367	C4368	C4369	
SAMPLED	02/20/91	02/21/91	02/21/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
TCLP EXTRACTION	03/07/91	03/07/91	03/07/91	date
OIL AND GREASE SOIL 9071	ND [50]	420 [50]	260 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: [illegible]
Date: 03/26/91
Client Work ID: TANK HOLE 894

(512) 892-6684
306703-000
Work Order: B1-02-241

SAMPLE ID	C4370	C4370 MATRIX SPIKE	
SAMPLED	02/21/91	02/21/91	
TEST			UNITS
LEAD-TCLP	ND	94	mg/L
EXTRACTION	[0.25]		
		% REC.	
TCLP EXTRACTION	03/07/91	03/07/91	date
OIL AND GREASE SOIL 9071	440		mg/kg
	[50]		

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894 306703-000 Work Order: B1-02-2

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4364**
SAMPLE DATE: **02/20/91**
ANALYSIS DATE: 02/27/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894 306703-000 Work Order: B1-02-241

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4365**
SAMPLE DATE: **02/20/91**
ANALYSIS DATE: 02/27/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894 306703-000 Work Order: B1-02-2

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4366**
SAMPLE DATE: **02/20/91**
ANALYSIS DATE: 02/27/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-241

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4367**
SAMPLE DATE: **02/20/91**
ANALYSIS DATE: 02/27/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B1-02-2

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4368**
SAMPLE DATE: **02/21/91**
ANALYSIS DATE: 02/27/91

	Results in ug/kg:	Detection Limit
Benzene	33	2
Ethylbenzene	120	2
Toluene	780	2
Xylenes (total)	1100	2

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894 306703-000 Work Order: B1-02-241

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4369**
SAMPLE DATE: **02/21/91**
ANALYSIS DATE: 02/27/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894 306703-000 Work Order: B1-02-24

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4370**
SAMPLE DATE: **02/21/91**
ANALYSIS DATE: 02/27/91

	Results in ug/kg:	Detection Limit
Benzene	3.8	1
Ethylbenzene	55	1
Toluene	170	1
Xylenes (total)	310	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894 306703-000 Work Order: B1-02-241

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **ICPES Digestion - Water** TEST CODE **3005**

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME **LEAD-TCLP EXTRACTION** TEST CODE **PBTCLP**

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

Company: FORT McCLELLEN
Date: 03/26/91
Client Work ID: TANK HOLE 894

306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B1-02-2

TEST NAME **TCLP EXTRACTION** TEST CODE **TCLP_I**

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 225490 / 210873

C/C Control No. 182822

PROJECT NAME/NUMBER FT. McClellan / 306703

LAB DESTINATION IT AUSTIN

SAMPLE TEAM MEMBERS N. AMBEAU

CARRIER/WAYBILL NO. 9001235600

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4364	SOUTH WALL TANK HOLE # 894	2/20/91 1555	SOIL	2X 125 ML (glass)	Good Cond 9°C	
C4365	WEST WALL TANK HOLE # 894	1606			See Nonconformance	
C4366	EAST WALL TANK HOLE # 894	1610			JK 2/22/91	
C4367	NORTH WALL TANK HOLE # 894	1615				
C4368	NORTH WEST of TANK HOLE (RANDOM)	2/21/91 1510				
C4369	SOUTH WEST of TANK HOLE (RANDOM)	1515				
C4370	NORTH EAST of TANK HOLE (RANDOM)	1520				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Nelson Ambeau IT CORP. 2/21/91 1610

   Received By: [signature] IT 2/22/91 0850

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

P/02271

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 210873

C/C Control No. 182822

PROJECT NAME: FT. McCLELLAN

PROJECT NUMBER: 306703

PROFIT CENTER NUMBER: 3826

PROJECT MANAGER: DICK JOHNSON

BILL TO: IT CORPORATION
1150 LEBLANC Rd.
PORT ALLEN, LA. 70767

PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 2/21/91

LAB DESTINATION: IT AUSTIN

LABORATORY CONTACT: TONY SPINELLI

SEND LAB REPORT TO: DICK JOHNSON
1150 LEBLANC Rd
PORT ALLEN, LA. 70767

DATE REPORT REQUIRED: 21 DAYS

PROJECT CONTACT: DICK JOHNSON

PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4368	Soil	2X125 ML	NONE	TPH BY 9071, BTEX 5030+8020	
"	↓	↓	↓	LEAD 7421, TCLP 1311	
C4369				TPH BY 9071, BTEX 5030+8020	
"				LEAD 7421, TCLP 1311	
C4370				TPH BY 9071, BTEX 5030+8020	
"				LEAD 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)

Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Return to Client ____ Disposal by Lab ____ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY

Received by [signature] Date/Time 2/22/91 0850

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B102241

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 225490

C/C Control No. 182822 / [redacted]

PROJECT NAME	FT. McCLELLAN	DATE SAMPLES SHIPPED	2/21/91
PROJECT NUMBER	306703	LAB DESTINATION	IT AUSTIN
PROFIT CENTER NUMBER	3826	LABORATORY CONTACT	TONY SPINELLI
PROJECT MANAGER	DICK JOHNSON	SEND LAB REPORT TO	DICK JOHNSON
BILL TO	IT CORPORATION		1150 LEBLANC RD.
	1150 LEBLANC RD.		PORT ALLEN, LA. 70767
	PORT ALLEN, LA. 70767	DATE REPORT REQUIRED	21 DAYS
PURCHASE ORDER NO.	AJS90439	PROJECT CONTACT	DICK JOHNSON
		PROJECT CONTACT PHONE NO.	(504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4364	Soil	2 X 125 ML	NONE	TPH By 9071, BTEX 5030 + 8020	
"	↓	↓	↓	LEAD 7421, TCLP 1311	
C4365				TPH By 9071, BTEX 5130 + 8020	
"				LEAD 7421, TCLP 1311	
C4366				TPH By 9071, BTEX 5130 + 8020	
"				LEAD 7421, TCLP 1311	
C4367				TPH By 9071, BTEX 5130 + 8020	
"				LEAD 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)

Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Return to Client _____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY

Received by T. Gelinas Date/Time 2/22/91 0850

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 03/14/91

Work Order: B1-02-102 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000
Date Received: 02/12/91
Number of Samples: 11
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION		LABORATORY #
C4351		B1-02-102-01
C4352		B1-02-102-02
C4353		B1-02-102-03
C4354		B1-02-102-04
C4355		B1-02-102-05
C4356		B1-02-102-06
C4357		B1-02-102-07
C4358		B1-02-102-08
C4359		B1-02-102-09
C4359	MATRIX SPIKE	B1-02-102-10
LAB BLANK		B1-02-102-11

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-102

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-1

SAMPLE ID	C4351	C4352	C4353	
SAMPLED	02/08/91	02/08/91	02/09/91	
TEST				UNITS
LEAD-TCLP	ND	ND	0.26	mg/L
EXTRACTION	[0.25]	[0.15]	[0.25]	
LEAD	12	9	13	mg/kg
-FURNACE	[2]	[2]	[2]	
TCLP	03/05/91	03/05/91	03/05/91	date
EXTRACTION				
OIL AND GREASE	570	300	600	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-102

SAMPLE ID	C4354	C4355	C4356	
SAMPLED	02/09/91	02/09/91	02/09/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	13 [2]	17 [2]	12 [2]	mg/kg
TCLP EXTRACTION	03/05/91	03/05/91	03/05/91	date
OIL AND GREASE SOIL 9071	310 [50.0]	690 [50.0]	470 [50.0]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-10

SAMPLE ID	C4357	C4358	C4359	
SAMPLED	02/09/91	02/09/91	02/11/91	
TEST				UNITS
LEAD-TCLP	ND	ND	ND	mg/L
EXTRACTION	[0.25]	[0.25]	[0.25]	
LEAD	12	30	83	mg/kg
-FURNACE	[2]	[4]	[10]	
TCLP	03/05/91	03/05/91	03/05/91	date
EXTRACTION				
OIL AND GREASE	340	590	290	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-102

SAMPLE ID	C4359 MATRIX SPIKE	LAB BLANK	
SAMPLED	02/11/91	02/11/91	
TEST			UNITS
LEAD-TCLP EXTRACTION	93		% rec.
LEAD -FURNACE		ND [0.50]	mg/kg
OIL AND GREASE SOIL 9071		ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-10

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4351
SAMPLE DATE: 02/08/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-102

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4352
SAMPLE DATE: 02/08/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-1

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4353
SAMPLE DATE: 02/09/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-102

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4354
SAMPLE DATE: 02/09/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-1

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4355
SAMPLE DATE: 02/09/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: [illegible]
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

(512) 892-6684

Work Order: B1-02-102

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4356
SAMPLE DATE: 02/09/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-1(

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4357
SAMPLE DATE: 02/09/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-102

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4358
SAMPLE DATE: 02/09/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

Work Order: B1-02-10

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4359
SAMPLE DATE: 02/11/91
ANALYSIS DATE: 02/15/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000 Work Order: B1-02-102

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME ICPES Digestion - Water TEST CODE 3005

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

Company: FORT McCLELLEN
Date: 03/14/91
Client Work ID: TANK HOLE #265, 1694,& RANDOM 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-1

TEST NAME LEAD-TCLP EXTRACTION TEST CODE PBTCLP

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

TEST NAME TCLP EXTRACTION TEST CODE TCLP_I

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 259000
C/C Control No. 160682

PROJECT NAME: FT. McCLELLAN
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: DICK JOHNSON
BILL TO: IT CORP.
1150 LEBLANC Rd.
PORT ALLEN, LA. 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 2/11/91
LAB DESTINATION: IT AUSTIN
LABORATORY CONTACT: TONY SPINELL.
SEND LAB REPORT TO: DICK JOHNSON
1150 LEBLANC Rd.
PORT ALLEN, LA. 70767
DATE REPORT REQUIRED: 21 DAYS
PROJECT CONTACT: DICK JOHNSON
PROJECT CONTACT PHONE NO.: 504-344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4356	Soil	125 ML	NONE	TPH By 9071, BTEX 5030 + 8020	
"	↓	↓	↓	LEAD 7421, TCLP 1311	
C4357				TPH By 9071, BTEX 5030 + 8020	
"				LEAD 7421, TCLP 1311	
C4358				TPH By 9071, BTEX 5030 + 8020	
"				LEAD 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive ____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 2/12/91 0845

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258999

C/C Control No. 160682

PROJECT NAME: FT. McCLELLAN

PROJECT NUMBER: 306703

PROFIT CENTER NUMBER: 3826

PROJECT MANAGER: DICK JOHNSON

BILL TO: IT CORP. 1150 LEBLANC Rd. PORT ALLEN, LA. 70767

PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 2/11/91

LAB DESTINATION: IT AUSTIN

LABORATORY CONTACT: TONY SPINELLI

SEND LAB REPORT TO: DICK JOHNSON, 1150 LEBLANC Rd., PORT ALLEN, LA. 70767

DATE REPORT REQUIRED: 21 DAYS

PROJECT CONTACT: DICK JOHNSON

PROJECT CONTACT PHONE NO.: 504-344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4351	SOIL	125 ML	NONE	TPH By 9071, BTEX 5030+8020	
"				LEAD 7421, TCLP 1311	
C4352				TPH By 9071, BTEX 5030+8020	
"				LEAD 7421, TCLP 1311	
C4353				TPH By 9071, BTEX 5030+8020	
"				LEAD 7421, TCLP 1311	
C4354				TPH By 9071, BTEX 5030+8020	
"				LEAD 7421, TCLP 1311	
C4355				TPH By 9071, BTEX 5030+8020	
"				LEAD 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)

Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY

Received by [signature] Date/Time 2/12/91 0845

WHITE - Original to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258999 / 259000

C/C Control No. 160682

PROJECT NAME/NUMBER FT. MC CLELLAN / 306703

LAB DESTINATION IT AUSTIN

SAMPLE TEAM MEMBERS N. AMBEAU

CARRIER/WAYBILL NO. 9605617265

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4351	NORTH WEST of TANK HOLE (RANDOM)	2/8/91 1130	SOIL	125 ML	GOOD COND. TEMP 4°C	
C4352	NORTH EAST of TANK HOLE (RANDOM)	2/8/91 1300				
C4353	SOUTH WEST of TANK HOLE (RANDOM)	2/9/91 0850				
C4354	CENTER of TANK HOLE # 1694	2/9/91 1400				
C4355	NORTH WALL of TANK HOLE # 1694	2/9/91 1405				
C4356	SOUTH WALL of TANK HOLE # 1694	2/9/91 1410				
C4357	EAST WALL of TANK HOLE # 1694	2/9/91 1420				
C4358	WEST WALL of TANK HOLE # 1694	2/9/91 1430				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Melissa Ambeau IT Corp. 2/11/91 0625

   Received By: [illegible] 2/12/91 0845

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 10/3/0
C/C Control No. 211051

PROJECT NAME: FT. McCLELLAN
PROJECT NUMBER: 306703
PROJECT MANAGER: DICK JOHNSON
BILL TO: IT CORP.
1150 LEBLANC Rd
PORT ALLEN, LA. 70767
PURCHASE ORDER NO. AJS90439

DATE SAMPLES SHIPPED: 2/11/91
LAB DESTINATION: IT AUSTIN
LABORATORY CONTACT: TONY SPINELLI
SEND LAB REPORT TO: DICK JOHNSON
1150 LEBLANC Rd.
PORT ALLEN, LA 70767
DATE REPORT REQUIRED: 21 DAYS
PROJECT CONTACT: DICK JOHNSON
PROJECT CONTACT PHONE NO. 504-344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4359	SOIL	2 x 125 ML	NONE	TPH BY 9071, BTEX 5030 + 8020	
				LEAD 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)

Normal ✓ Rush _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)

Nonhazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)

Return to Client _____ Disposal by Lab ✓ ARCHIVE 3 MONTHS

FOR LAB USE ONLY

Received By [signature] Date/Time 2/12/91 0845

WHITE - O[illegible] to accompany samples
YELLOW - F[illegible] copy

0102102

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 107370

C/C Control No. 211051

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION IT AUSTIN

SAMPLE TEAM MEMBERS N. AMBEAU

CARRIER/WAYBILL NO. FED EX 9001232645

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4359	SOUTH EAST WALL of TANK HOLE #265	2/11/91 1130	Soil	125 ML	GOOD COND. TEMP 1°C	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Nelson Ambeau IT corp 2/11/91 1507

   Received By: [illegible] 2/12/91 0845

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 03/11/91

Work Order: B1-02-077

This is the Certificate of Analysis for the following samples:

Client Work ID: FT MCCLELLEN 306703 306703-000
Date Received: 02/08/91
Number of Samples: 10
Sample Type: SOIL

I. Introduction
Previously Reported on 03/11/91.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
C4339 N.W. OF TANK HOLE	B1-02-077-01
C4340 S.W. OF TANK HOLE	B1-02-077-02
C4341 E. OF TANK HOLE	B1-02-077-03
C4334 S. WALL OF PIT 1693	B1-02-077-04
C4335 E. WALL OF PIT 1693	B1-02-077-05
C4336 N. WALL OF PIT 1693	B1-02-077-06
C4337 W. WALL OF PIT 1693	B1-02-077-07
C4338 CENTER OF PIT 1693	B1-02-077-08
LAB BLANK	B1-02-077-09
MATRIX SPIKE C4339	B1-02-077-10

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-077

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-07

SAMPLE ID SAMPLED TEST	C4339 N.W. OF TANK HOLE 02/07/91	C4340 S.W. OF TANK HOLE 02/07/91	C4341 E. OF TANK HOLE 02/07/91	UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	26 [5]	16 [5]	25 [5]	mg/kg
TCLP EXTRACTION	02/25/91	02/25/91	02/25/91	date
OIL AND GREASE SOIL 9071	820 [50.0]	660 [50.0]	2600 [50.0]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-077

SAMPLE ID SAMPLED TEST	C4334 S. WALL OF PIT 1693 02/07/91	C4335 E. WALL OF PIT 1693 02/07/91	C4336 N. WALL OF PIT 1693 02/07/91	UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	18 [5]	17 [5]	14 [5]	mg/kg
TCLP EXTRACTION	02/25/91	02/25/91	02/25/91	date
OIL AND GREASE SOIL 9071	710 [50.0]	330 [50.0]	ND [50.0]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-07

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

SAMPLE ID	C4337 W. WALL OF PIT 1693	C4338 CENTER OF PIT 1693	LAB BLANK	
SAMPLED	02/07/91	02/07/91	02/07/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	18 [5]	17 [4]	ND [0.50]	mg/kg
TCLP EXTRACTION	02/25/91	02/25/91	02/25/91	date
OIL AND GREASE SOIL 9071	160 [50.0]	290 [50.0]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684
Work Order: B1-02-077

SAMPLE ID SAMPLED TEST	MATRIX SPIKE C4339 02/07/91	UNITS
LEAD-TCLP EXTRACTION	90	% Rec.
TCLP EXTRACTION	02/25/91	date

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-07

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4339 N.W. OF TANK HOLE
SAMPLE DATE: 02/07/91
ANALYSIS DATE: 02/12/91

	Results in ug/kg:	Detection Limit
Benzene	84	50
Ethylbenzene	620	50
Toluene	ND	50
Xylenes (total)	840	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-077

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4340 S.W. OF TANK HOLE
SAMPLE DATE: 02/07/91
ANALYSIS DATE: 02/13/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	1.7	1
Toluene	ND	1
Xylenes (total)	4.6	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-07

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4341 E. OF TANK HOLE
SAMPLE DATE: 02/07/91
ANALYSIS DATE: 02/12/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Date: 03/11/91 (512) 892-6684
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-077

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4334 S. WALL OF PIT 1693**
SAMPLE DATE: **02/07/91**
ANALYSIS DATE: 02/12/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-02-07

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4335 E. WALL OF PIT 1693
SAMPLE DATE: 02/07/91
ANALYSIS DATE: 02/12/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-077

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4336 N. WALL OF PIT 1693**
SAMPLE DATE: **02/07/91**
ANALYSIS DATE: 02/12/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **C4337 W. WALL OF PIT 1693**
SAMPLE DATE: **02/07/91**
ANALYSIS DATE: 02/12/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-077

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4338 CENTER OF PIT 1693
SAMPLE DATE: 02/07/91
ANALYSIS DATE: 02/12/91

Results in	ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-077

TEST NAME: **BTEX - Purge and Trap**

SAMPLE ID: **LAB BLANK**
SAMPLE DATE: **02/07/91**
ANALYSIS DATE: 02/12/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-077

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **ICPES Digestion - Water** TEST CODE **3005**

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 03/11/91
Client Work ID: FT MCCLELLEN 306703 306703-000 Work Order: B1-02-07

TEST NAME **LEAD-TCLP EXTRACTION** TEST CODE **PBTCLP**

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

TEST NAME **TCLP EXTRACTION** TEST CODE **TCLP_I**

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

B102011

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258998

C/C Control No. 160681

PROJECT NAME/NUMBER FT. McCLELLAN / 306703

LAB DESTINATION IT AUSTIN

SAMPLE TEAM MEMBERS N. AMBEAU

CARRIER/WAYBILL NO. 9605617276

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4339	NORTH WEST of TANK HOLE (RANDOM)	2/7/91 0920	SOIL	125 ML	Cooled 1°C	
"	" "	0921			See Memorandum	
C4340	SOUTH WEST of TANK HOLE (RANDOM)	0926			J. Kalinsky	
"	" "	0927			2/8/91	
C4341	EAST of TANK HOLE (RANDOM)	0931				
"	" "	0932				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Nelson Ambeau IT corp. 2/7/91 1745

   Received By: J. Kalinsky IT 2/8/91 0855

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258998
C/C Control No. 160681

PROJECT NAME: FT. McCLELLAN
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp.
1150 LeBlanc Rd.
Port Allen, LA. 70767
PURCHASE ORDER NO.: AJ590439

DATE SAMPLES SHIPPED: 2/7/91
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd.
Port Allen, LA. 70767
DATE REPORT REQUIRED: 21 Days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504-344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4339	Soil	125 ML	None	TPH By 9071, BTEX 5130+8020	
"	↓	↓	↓	Lead 7421, TCLP 1311	
C4340	↓	↓	↓	TPH By 9071, BTEX 5030+8020	
"	↓	↓	↓	Lead 7421, TCLP 1311	
C4341	↓	↓	↓	TPH By 9071, BTEX 5030+8020	
"	↓	↓	↓	Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 2/8/91 0855

WHITE - Original, to accompany samples
YELLOW - Field copy

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INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258997

C/C Control No. 160680

PROJECT NAME/NUMBER FT. McCLELLAN / 306703

LAB DESTINATION IT AUSTIN

SAMPLE TEAM MEMBERS N. AMBERU

CARRIER/WAYBILL NO. 9605617276

Sample Number	Sample Location and Description	Date and Time Collected		Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4334	SOUTH WALL of TANK PIT #1693	2/6/91	1520	soil	125 ML	Good Cond 1°C	
"	" "		1521			See Nonconformance	
C4335	EAST WALL of TANK PIT #1693		1526			T. Kalinowski	
"	" "		1527			2/8/91	
C4336	NORTH WALL of TANK PIT #1693		1532				
"	" "		1533				
C4337	WEST WALL of TANK PIT #1693	2/7/91	0805				
"	" "		0806				
C4338	CENTER of TANK PIT #1693		0910				
"	" "		0911				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Nelson Amberu IT corp. 2/7/91 1745

   Received By: T. Kalinowski, IT 2/8/91 0855

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 25899
C/C Control No. 160680

PROJECT NAME: FT. McCLELLAN
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp.
1150 LeBlanc Rd.
Port Allen, LA. 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 2/7/91
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd.
Port Allen, LA. 70767
DATE REPORT REQUIRED: 21 Days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504-344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4334	Soil	125 ML	None	TPH By 9071, BTEX 5030 + 8020	
"				Lead, 7421, TCLP, 1311	
C4335				TPH By 9071, BTEX 5030 + 8020	
"				Lead, 7421, TCLP, 1311	
C4336				TPH By 9071, BTEX 5030 + 8020	
"				Lead, 7421, TCLP 1311	
C4337				TPH By 9071, BTEX 5030 + 8020	
"				Lead 7421, TCLP 1311	
C4338				TPH By 9071, BTEX 5030 + 8020	
"				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements mus submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Speci

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 2/8/91 0855

WHITE - Original, to accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 04/16/91

Work Order: B1-03-135 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL ANALYSIS 306703-000
Date Received: 03/12/91
Number of Samples: 10
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE AT REAR OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION		LABORATORY #
C4399		B1-03-135-15
C4400		B1-03-135-16
C4401		B1-03-135-17
C4402		B1-03-135-18
C4403		B1-03-135-19
C4404		B1-03-135-20
C4405		B1-03-135-21
LAB BLANK		B1-03-135-22
C4402	MATRIX SPIKE	B1-03-135-23
C4403	MATRIX SPIKE	B1-03-135-24

Reviewed and Approved:

Neal Salcher for

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: PORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-135

SAMPLE ID	C4399	C4400	C4401	
SAMPLED	03/09/91	03/09/91	03/09/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	12 [2.2]	30 [2.6]	24 [2.6]	mg/kg
TCLP EXTRACTION	03/27/91	03/27/91	03/27/91	date
OIL AND GREASE SOIL 9071	ND [50]	270 [50]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

SAMPLE ID	C4402	C4403	C4404	
SAMPLED	03/09/91	03/10/91	03/10/91	
TEST				UNITS
LEAD-TCLP	ND	ND	ND	mg/L
EXTRACTION	[0.25]	[0.03]	[0.03]	
LEAD by ICP		18	15	mg/kg
		[2]	[2]	
LEAD	19			mg/kg
-FURNACE	[2.3]			
TCLP	03/27/91	03/22/91	03/22/91	date
EXTRACTION				
OIL AND GREASE	ND	200	390	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLAN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS

(512) 892-6684

306703-000

Work Order: B1-03-135

SAMPLE ID	C4405	LAB BLANK	C4402 MATRIX SPIKE	
SAMPLED	03/10/91	03/10/91	03/10/91	
TEST				UNITS
LEAD-TCLP	ND	ND	100	mg/L
EXTRACTION	[0.03]	[0.25]		
			% Rec	
LEAD by ICP	25			mg/kg
	[2]			
TCLP	03/22/91	03/27/91	03/27/91	date
EXTRACTION				
OIL AND GREASE	230	ND		mg/kg
SOIL 9071	[50]	[50]		

ND indicates the parameter was not detected.
Detection limits are specified in [].

682-1-89

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-1

SAMPLE ID	C4403 MATRIX SPIKE	
SAMPLED	03/10/91	
TEST		UNITS
LEAD-TCLP EXTRACTION	92	% Rec
TCLP EXTRACTION	03/22/91	date

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-135

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4399
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4400
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 04/02/91

	Results in	ug/kg:	Detection Limit
Benzene	A	ND	5
Ethylbenzene	A	ND	5
Toluene	A	ND	5
Xylenes (total)	A	ND	5

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-135

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4401
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 04/02/91

	Results in	ug/kg:	Detection Limit
Benzene	B	ND	5
Ethylbenzene	B	ND	5
Toluene	B	ND	5
Xylenes (total)	B	79	5

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4402
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/23/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-135

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4403
SAMPLE DATE: 03/10/91
ANALYSIS DATE: 04/02/91

	Results in	ug/kg:	Detection Limit
Benzene	C	ND	5
Ethylbenzene	C	ND	5
Toluene	C	ND	5
Xylenes (total)	C	ND	5

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4404
SAMPLE DATE: 03/10/91
ANALYSIS DATE: 04/02/91

	Results in	ug/kg:	Detection Limit
Benzene	C	ND	5
Ethylbenzene	C	ND	5
Toluene	C	ND	5
Xylenes (total)	C	ND	5

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-135

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4405
SAMPLE DATE: 03/10/91
ANALYSIS DATE: 04/04/91

	Results in	ug/kg:	Detection Limit
Benzene	D	2000	500
Ethylbenzene	D	3600	500
Toluene	D	2400	500
Xylenes (total)	D	1900	500

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: LAB BLANK
SAMPLE DATE: 03/10/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-135

FORT McCLELLEN

A On sample ID B103135-16a (C4400) for BTEX, the first and second analyses were within holding time, however the cell clogged and the values were not reported. The third analysis was out of holding time and also clogged the cell. The fourth analysis with a dilution of 5x was out of holding time and those values were reported.

B Sample ID B103135-17a (C4401) for BTEX, the first analysis was within holding time, however the internal standard had a low recovery possibily due to a clogged cell, the value was not reported. The second analysis with a dilution of 5x was out of holding time and the values were reported.

C On sample IDs B103135-19a (C4403) and B103135-20a (C4404) for BTEX, the first analyses were within holding times, however the values were over calibration with high matrix background, the values were not reported. The second analyses were out of holding times and the values were reported.

D Sample ID B103135-21a (C4405) for BTEX, the first analysis was within holding time, however the values were over calibration and not reported. The second, third, and fourth analyses were out of holding time, the fourth analysis was reported.

IT ANALYTICAL SERVICES
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(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-1..

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME ICPES Digestion - Water TEST CODE 3005

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME ICPES Digestion - Soil TEST CODE 3050P

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes,

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-135

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD-TCLP EXTRACTION TEST CODE PBTCLP

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

TEST NAME TCLP EXTRACTION TEST CODE TCLP_I

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

INTERNATIONAL TECHNOLOGY CORPORATION

B10313 ~~B103134~~ B

CHAIN-OF-CUSTODY RECORD

R/A Control No. 216

C/C Control No. 210873

PROJECT NAME/NUMBER Ft McClellan/306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W McCrey SR.

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4403	soil between Tank #9 & 8	3-10-91 1635	soil	125 ML	1°C Good Cond	
" "	" Area 265 "				3/12/91	
C4404	soil between tank #12 & 13	1645				
" "	" Area 265 "					
C4405	soil between tank #15 & 16	1655				
" "	" Area 265 "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William H McCrey Sr. 3-10-91

   Received By: [illegible] ITMS-Aus 3/12/91 0950

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B105122 ~~B105134~~ B

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 210875
C/C Control No. 210873

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306203
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T Corp
1150 LeBlanc Rd
port allen La, 70767
PURCHASE ORDER NO.: Ajs90439

DATE SAMPLES SHIPPED: 3-11-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
1150 Leblanc Rd.
port allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4403	Soil	125 ML	None	TPH by 9071, Btex 5030 & 8020	
" "				Lead 7421, TCLP 1311	
C4404				TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4405				TPH by 9071, Btex 5030 8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by: [signature] ITAS-405 Date/Time 3/12/91 0830

WHITE - Original to accompany samples
YELLOW - F[illegible]y

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 2409.0

C/C Control No. 182826

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCrary Jr.

CARRIER/WAYBILL NO. 0430407144

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4398	North west wall of pit #1394	3-9-91 4:10	Soil	125 ML	Good Cond 1°C	
" "	" "				JO 3/12/91	
C4399	North East wall of tank pit #1394	4:25				
" "	" "					
C4400	Center wall of tank pit #1394	4:40				
" "	" "					
C4401	South east wall of tank pit #1394	5:00				
" "	" "					
C4402	South west wall of tank pit #1394	515				
" "	" "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McCrary Sr. 3-9-91

   Received By: [signature] ITAS Aus 3/12/91 0850

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B103133 ~~B103154~~ 13

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 240909
C/C Control No. 182826

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp
1150 LeBlanc Rd
Port Allen La, 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 3-9-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd.
Port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-2530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4398	Soil	125 ML	None	TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4399				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	
C4400				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	
C4401				TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4402				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ____ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] ITASAUS Date/Time 3/12/91 0850

WHITE - O[illegible] to accompany samples
YELLOW [illegible]

126A-10-86

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 04/09/91

Work Order: B1-03-083 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000
Date Received: 03/08/91
Number of Samples: 11
Sample Type: SOIL

I. Introduction
SEE NONCONFORMANCE AT REAR OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION			LABORATORY #
C4361	PIT	SOUTH WALL	B1-03-083-01
C4379	HOLE	NORTH END	B1-03-083-02
C4380	HOLE	SOUTH	B1-03-083-03
C4381	HOLE	EAST CORNER	B1-03-083-04
C4382	PIT	EAST WALL	B1-03-083-05
C4383	PIT	SOUTH WALL	B1-03-083-06
C4384	PIT	NORTH WALL	B1-03-083-07
C4385	PIT	WEST WALL	B1-03-083-08
C4386	PIT	CENTER	B1-03-083-09
C4386	PIT	MATRIX SPIKE	B1-03-083-10

Reviewed and Approved:

Diane Nichols

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000

Work Order: B1-03-083

Samples, continued from above:

SAMPLE IDENTIFICATION		LABORATORY #
LAB BLANK	TCLP	B1-03-083-12

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-

SAMPLE ID SAMPLED TEST	C4361 PIT SOUTH WALL 03/06/91	C4379 HOLE NORTH END 03/05/91	C4380 HOLE SOUTH 03/05/91	UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD by ICP	36 [6.2]	28 [6.0]	24 [5.9]	mg/kg
TCLP EXTRACTION	03/25/91	03/25/91	03/25/91	date
OIL AND GREASE SOIL 9071	ND [50]	2600 [50]	1300 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-083

SAMPLE ID SAMPLED TEST	C4381 HOLE EAST CORNER 03/05/91	C4382 PIT EAST WALL 03/05/91	C4383 PIT SOUTH WALL 03/05/91	UNITS
LEAD-TCLP	ND	ND	ND	mg/L
EXTRACTION	[0.25]	[0.25]	[0.25]	
LEAD by ICP	18	7.2	19	mg/kg
	[5.8]	[5.6]	[5.6]	
TCLP EXTRACTION	03/25/91	03/25/91	03/25/91	date
OIL AND GREASE	1400	ND	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: [illegible]
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000

(512) 892-6684
Work Order: B1-03-083

SAMPLE ID SAMPLED TEST	C4384 PIT NORTH WALL 03/05/91	C4385 PIT WEST WALL 03/05/91	C4386 PIT CENTER 03/05/91	UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD by ICP	10 [5.5]	8.0 [5.6]	7.7 [5.7]	mg/kg
TCLP EXTRACTION	03/25/91	03/25/91	03/25/91	date
OIL AND GREASE SOIL 9071	ND [50]	ND [50]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000

Work Order: B1-03-083

SAMPLE ID SAMPLED TEST	C4386 PIT MATRIX SPIKE 03/05/91	LAB BLANK TCLP 03/05/91	UNITS
LEAD-TCLP	100	ND	mg/L
EXTRACTION		[0.25]	
	% rec.		
TCLP	03/25/91		date
EXTRACTION			

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4361 PIT SOUTH WALL
SAMPLE DATE: 03/06/91
ANALYSIS DATE: 03/20/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000

Work Order: B1-03-083

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4379 HOLE NORTH END
SAMPLE DATE: 03/05/91
ANALYSIS DATE: 03/28/91

	Results in ug/kg:	Detection Limit
Benzene	59	50
Ethylbenzene	250	50
Toluene	62	50
Xylenes (total)	160	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4380 HOLE SOUTH
SAMPLE DATE: 03/05/91
ANALYSIS DATE: 03/27/91

	Results in ug/kg:	Detection Limit
Benzene	120	50
Ethylbenzene	390	50
Toluene	100	50
Xylenes (total)	270	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000

Work Order: B1-03-083

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4381 HOLE EAST CORNER
SAMPLE DATE: 03/05/91
ANALYSIS DATE: 03/27/91

	Results in ug/kg:	Detection Limit
Benzene	ND	50
Ethylbenzene	ND	50
Toluene	ND	50
Xylenes (total)	ND	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4382 PIT EAST WALL
SAMPLE DATE: 03/05/91
ANALYSIS DATE: 03/27/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	1.3	1
Toluene	ND	1
Xylenes (total)	3.4	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000

Work Order: B1-03-083

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4383 PIT SOUTH WALL
SAMPLE DATE: 03/05/91
ANALYSIS DATE: 03/19/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-(

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4384 PIT NORTH WALL
SAMPLE DATE: 03/05/91
ANALYSIS DATE: 03/19/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000

Work Order: B1-03-083

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4385 PIT WEST WALL
SAMPLE DATE: 03/05/91
ANALYSIS DATE: 03/19/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4386 PIT CENTER
SAMPLE DATE: 03/05/91
ANALYSIS DATE: 03/19/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-083

FORT McCLELLEN

SAMPLE ID	NONCONFORMANCE FILED FOR BTEX ANALYSIS
B103083-05A	First shot was within holding time, but over calibration. The second shot was out of holding time and reported.
B103083-03A B103083-04A	First shot was within holding time, but over calibration. The second and third shot were out of holding time. The third shot was reported.
B103083-02A	First shot was within holding time, but over calibration. The second, third,and fourth shot were out of holding time. The fourth shot was reported.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000 Work Order: B1-03-(

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME ICPES Digestion - Water TEST NAME ICPES Digestion - Water TEST CC

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME ICPES Digestion - Soil TEST CODE 3050P

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/09/91
Client Work ID: TANK PIT #265, 4437 & RANDOM 306703-000

Work Order: B1-03-083

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD-TCLP EXTRACTION TEST CODE PBTCLP

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

TEST NAME TCLP EXTRACTION TEST CODE TCLP_I

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

B10308 -

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 225493
C/C Control No. 182824

PROJECT NAME: FT. McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corporation
1150 Leblanc Rd.
Port Allen, LA. 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 3/7/91
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
1150 Leblanc Rd.
Port Allen, LA. 70767
DATE REPORT REQUIRED: 21 Days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4361	Soil	1X125 ML	NONE	TPH by 9071, BTEX 5030 + 8020	
"		1X125 ML		Lead 7421, TCLP 1311	
C4379					
"					
C4380					
"					
C4381					
"					
C4382					
"					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive ____ (Indicate number of months.)

FOR LAB USE ONLY
Received by Chris Schapoff Date/Time 3/8/91 0900

WHITE - Original, to accompany samples

126A-10-85

B 103083

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 240934
C/C Control No. 182824

PROJECT NAME: FT. McCLELLAN
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: DICK JOHNSON
BILL TO: IT CORPORATION
1150 LE BLANC RD.
PORT ALLEN, LA 70767
PURCHASE ORDER NO. AJS90439

DATE SAMPLES SHIPPED: 3/7/91
LAB DESTINATION: IT AUSTIN
LABORATORY CONTACT: TONY SPINELLI
SEND LAB REPORT TO: DICK JOHNSON
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DATE REPORT REQUIRED: 21 DAYS
PROJECT CONTACT: DICK JOHNSON
PROJECT CONTACT PHONE NO. (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4383	Soil	1 X 125 ML	NONE	TPH By 9071, BTEX 5030 + 8020	
"		1 X 125 ML		LEAD 7421, TCLP 1311	
C4384					
"					
C4385					
"					
C4386					
"					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/8/91 0900

WHITE - Original, to accompany samples

126A-10-85

B10300

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 225493 / 240934

C/C Control No. 182824

PROJECT NAME/NUMBER FT McClellan / 306703

LAB DESTINATION IT AUSTIN

SAMPLE TEAM MEMBERS N. AMBEAU

CARRIER/WAYBILL NO. 0420907056 FED EX

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4361	SOUTH WALL of TANK PIT # 265	3/6/91 1245	SOIL	2X 125 ML	GOOD COND.	
C4379	NORTH END of TANK HOLE (RANDOM)	3/5/91 0805			TEMP 4°C	
C4380	SOUTH of TANK HOLE (RANDOM)	0830			NON-COND.	
C4381	EAST CORNER of TANK HOLE (RANDOM)	0940			CJS 3/8/91	
C4382	EAST WALL of TANK PIT # 4437	1655				
C4383	SOUTH WALL of TANK PIT # 4437	1700				
C4384	NORTH WALL of TANK PIT # 4437	1705				
C4385	WEST WALL of TANK PIT # 4437	1710				
C4386	CENTER of TANK PIT # 4437	1750				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Nelson Ambeau IT corp. 3/7/91 0700

   Received By: [signature] 3/8/91 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - T[illegible]pany samples
YELLOW - Field copy

B103056

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 225491
C/C Control No. 182823

PROJECT NAME: FT. McCLELLAN
PROJECT NUMBER: 506703
PROFIT CENTER NUMBER: 3821
PROJECT MANAGER: DICK JOHNSON
BILL TO: IT CORPORATION
1150 LEBLANC Rd.
PORT ALLEN, LA. 70767
PURCHASE ORDER NO. AJS90439

DATE SAMPLES SHIPPED: 2/27/91
LAB DESTINATION: IT AUSTIN
LABORATORY CONTACT: TONY SPINELLI
SEND LAB REPORT TO: DICK JOHNSON
1150 LEBLANC Rd.
PORT ALLEN, LA. 70767
DATE REPORT REQUIRED: 21 DAYS
PROJECT CONTACT: DICK JOHNSON
PROJECT CONTACT PHONE NO. (504) 344 8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4371	SOIL	1X125 ML	NONE	TPH By 9071, BTEX 5030 + 8020	
NA 3/6/91 ~~C4372~~	SOIL	1X125 ML	NONE	LEAD 7421, TCLP 1311	
C4372	↓	↓	↓	↓	
"					
C4373					
"					
C4374					
"					
C4375					
"					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/4/91 0900

B103056

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 225492

C/C Control No. 182823

PROJECT NAME: FT. McCLELLAN

PROJECT NUMBER: 306703

PROFIT CENTER NUMBER: 3826

PROJECT MANAGER: DICK JOHNSON

BILL TO: IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767

PURCHASE ORDER NO.: AJ590439

DATE SAMPLES SHIPPED: 2/27/91

LAB DESTINATION: IT AUSTIN

LABORATORY CONTACT: TONY SPINELLI

SEND LAB REPORT TO: DICK JOHNSON
1150 LEBLANC RD.
PORT ALLEN, LA 70767

DATE REPORT REQUIRED: 21 DAYS

PROJECT CONTACT: DICK JOHNSON

PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4376	SOIL	1 X 125 ML	NONE	TPH By 9071, BTEX 5030 & 8020	
"	SOIL	1 X 125 ML	NONE	LEAD 7421, TCLP 1311	
C4377	↓	↓	↓	↓	
"					
C4378					
"					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)

Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY

Received by [signature] Date/Time 3/4/91 0900

126A 10-85

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 04/16/91

Work Order: B1-03-134 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL ANALYSIS 306703-000
Date Received: 03/12/91
Number of Samples: 14
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE AT REAR OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
C4360	B1-03-134-01
C4362	B1-03-134-02
C4387	B1-03-134-03
C4388	B1-03-134-04
C4389	B1-03-134-05
C4390	B1-03-134-06
C4391	B1-03-134-07
C4392	B1-03-134-08
C4393	B1-03-134-09
C4394	B1-03-134-10

Reviewed and Approved:
Neal Lalder for
Diane M. Nichols
Laboratory Manager

(512) 892-6684

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
C4395	B1-03-134-11
C4396	B1-03-134-12
C4397	B1-03-134-13
C4398	B1-03-134-14

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

SAMPLE ID	C4360	C4362	C4387	
SAMPLED	03/10/91	03/10/91	03/07/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	22 [2.4]	22 [2.5]	33 [2.5]	mg/kg
TCLP EXTRACTION	03/27/91	03/27/91	03/27/91	date
OIL AND GREASE SOIL 9071	ND [50]	ND [50]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-1

SAMPLE ID	C4388	C4389	C4390	
SAMPLED	03/07/91	03/07/91	03/07/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	30 [2.5]	25 [2.2]	26 [2.5]	mg/kg
TCLP EXTRACTION	03/27/91	03/27/91	03/27/91	date
OIL AND GREASE SOIL 9071	ND [50]	60 [50]	110 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

SAMPLE ID	C4391	C4392	C4393	
SAMPLED	03/07/91	03/07/91	03/07/91	
TEST				UNITS
LEAD-TCLP	ND	ND	ND	mg/L
EXTRACTION	[0.25]	[0.25]	[0.25]	
LEAD	14	22	22	mg/kg
-FURNACE	[1.3]	[2.5]	[2.5]	
TCLP	03/27/91	03/27/91	03/27/91	date
EXTRACTION				
OIL AND GREASE	ND	ND	82	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-1

SAMPLE ID	C4394	C4395	C4396	
SAMPLED	03/07/91	03/09/91	03/09/91	
TEST				UNITS
LEAD-TCLP	ND	ND	ND	mg/L
EXTRACTION	[0.25]	[0.25]	[0.25]	
LEAD	40	14	11	mg/kg
-FURNACE	[15]	[2.4]	[2.5]	
TCLP	03/27/91	03/27/91	03/27/91	date
EXTRACTION				
OIL AND GREASE	160	ND	62	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

SAMPLE ID	C4397	C4398	
SAMPLED	03/09/91	03/09/91	
TEST			UNITS
LEAD-TCLP	ND	ND	mg/L
EXTRACTION	[0.25]	[0.25]	
LEAD	20	16	mg/kg
-FURNACE	[2.5]	[2.2]	
TCLP	03/27/91	03/27/91	date
EXTRACTION			
OIL AND GREASE	240	ND	mg/kg
SOIL 9071	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4360
SAMPLE DATE: 03/10/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* 1.2	1
Ethylbenzene	* 1.3	1
Toluene	* ND	1
Xylenes (total)	* 2.7	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: PORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C6362
SAMPLE DATE: 03/10/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* 2.3	1
Ethylbenzene	* 2.7	1
Toluene	* 1.2	1
Xylenes (total)	* 1.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4387
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

B103036

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 225491
C/C Control No. 182823

PROJECT NAME: FT. McCLELLAN
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: DICK JOHNSON
BILL TO: IT CORPORATION, 1150 LEBLANC Rd., PORT ALLEN, LA. 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 2/27/91
LAB DESTINATION: IT AUSTIN
LABORATORY CONTACT: TONY SPINELLI
SEND LAB REPORT TO: DICK JOHNSON, 1150 LEBLANC Rd., PORT ALLEN, LA. 70767
DATE REPORT REQUIRED: 21 DAYS
PROJECT CONTACT: DICK JOHNSON
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4371	SOIL	1X125 ML	NONE	TPH By 9071, BTEX 5030 + 8020	
NA 2/26/91 ~~C4372~~	SOIL	1X125 ML	NONE	LEAD 7421, TCLP 1311	
C4372	↓	↓	↓	↓	
"					
C4373					
"					
C4374					
"					
C4375					
"					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/4/91 0900

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/17/91

Work Order: B0-12-149 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000
Date Received: 12/17/90
Number of Samples: 7
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8047	B0-12-149-15
P8048	B0-12-149-16
P8049	B0-12-149-17
P8050	B0-12-149-18
P8051	B0-12-149-19
P8052	B0-12-149-20
P8053	B0-12-149-21

Reviewed and Approved:

Neal Salter for

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-149

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-149

SAMPLE ID	P8047	P8048	P8049	
SAMPLED	12/14/90	12/14/90	12/14/90	
TEST				UNITS
LEAD	16	34	24	mg/kg
-FURNACE	[1.0]	[2.2]	[2.1]	
OIL AND GREASE	910	62	690	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-149

SAMPLE ID	P8050	P8051	P8052	
SAMPLED	12/14/90	12/14/90	12/14/90	
TEST				UNITS
LEAD	15	12	14	mg/kg
-FURNACE	[1.0]	[1.0]	[1.1]	
OIL AND GREASE	1300	390	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-149

SAMPLE ID	P8053	
SAMPLED	12/14/90	
TEST		UNITS
LEAD	8.3	mg/kg
-FURNACE	[1.1]	
OIL AND GREASE	ND	mg/kg
SOIL 9071	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-149

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8047
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/19/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-149

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8048
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/19/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-149

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8049
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/19/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-149

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8050
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/19/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-149

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8051
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/19/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-149

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8052
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/19/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-149

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8053
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/19/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	1.4	1
Xylenes (total)	2.6	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-149

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4388
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4389
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4390
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4391
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* 1.3	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4392
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: [illegible]
Date: 04/16/91
Client Work ID: SOIL ANALYSIS

(512) 892-6684

306703-000

Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4393
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	* ND	1
Ethylbenzene	* ND	1
Toluene	* ND	1
Xylenes (total)	* 2.7	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4394
SAMPLE DATE: 03/07/91
ANALYSIS DATE: 03/21/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4395
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	2.3	1
Ethylbenzene	ND	1
Toluene	1.4	1
Xylenes (total)	1.5	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4396
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	2.5	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4397
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	1.6	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-134

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4398
SAMPLE DATE: 03/09/91
ANALYSIS DATE: 03/22/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	1.5	1
Xylenes (total)	2.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/16/91
Client Work ID: SOIL ANALYSIS 306703-000 Work Order: B1-03-

FORT McCLELLEN

LEAD MATRIX SPIKE WAS NOT RECOVERED DUE TO HIGH CONCENTRATION OF ANALYTE IN THE SAMPLE. BATCH ACCEPTED ON THE BASIS OF RPD BETWEEN BLANK SPIKE I AND BLANK SPIKE II RECOVERIES.

* SAMPLE FRACTIONS 01 THROUGH 09 FOR BTEX.
(C4360,C4362,C4387,C4388,C4389,C4390,C4391,C4392,C4393) WERE SHOT WITHIN HOLDING TIME ON THE FIRST SHOT BUT CHECK STANDARDS ETHLYBENZENE AND P-XYLENE WERE SLIGHTLY OUT OF QC RANGE (116% AND 117%). THE ACCEPTABLE LIMIT IS 115%. THE SECOND SHOTS WERE OUT OF HOLDING TIME.

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME ICPES Digestion - Water TEST CODE 3005

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

IT INTERNATIONAL TECHNOLOGY CORPORATION

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REQUEST FOR ANALYSIS

R/A Control No. 24( )1
C/C Control No. 2108705

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT corp
1150 LeBlanc Rd
port allen La, 70767
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 3-11-91
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd
port allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4360	soil	125 ml	none	TPH by 9071, BTEX 5030+8020	
" "	↓	↓	↓	Lead 7421, TCLP 1311	
C4362				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] ITAS-Aus Date/Time 3/12/91 0850

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

B103 134 ~~D703735~~ 15

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240931

C/C Control No. 210875

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W McCray SR.

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4360	East wall - area # 265	3-10-91 1715	Soil	125 ml	Good Cond 1°C	
" "	" "		↓	↓	[signature] 3/12/91	
C4362	north west wall area # 265	3-10-91 1725	↓	↓	↓	
" "	& Representing bottom pit sample		↓	↓	↓	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McCray Sr 3-11-91

   Received By: [signature] 3/12/91 0850 ETAS-DES

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field co...

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST F ANALYSIS

R/A Control No. 107383
C/C Control No. 192 2

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp.
1150 Le Blanc Rd
Port Allen La, 70767
PURCHASE ORDER NO. AJS90439

DATE SAMPLES SHIPPED: 3-11-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
I.T corp.
1150 LeBlanc Rd. Port Allen La
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO. 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4387	Soil	125 ML	NONE	TPH by 9071, BTEX 5030 & 8020	
" "				Lead 7421, TCLP 1311	
C4388				TPH by 9071, BTEX 5030 & 8020	
" "				Lead 7421, TCLP 1311	
C4389				TPH by 9071, BTEX 5030 & 8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)
Nonhazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)
Return to Client _____ Disposal by Lab ✓

FOR LAB USE ONLY
Received By [signature] Date/Time 3/12/91 0830

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YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 167383

C/C Control No. 192932

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS John Glide

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4387	north east top of tank #273 (random	3-7-91 1425	Soil	125 ML	Good Cond	
" "	" "					
C4388	west side of tank #273 (random)	1420			3/12/91	
" "						
C 1389	north west side of tank #273 (random)	1425				
" "						

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McGuy Sr. I.T Corp 3-11-91

   Received By: [illegible] 3/12/91 0830

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 107382
C/C Control No. 192 0

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROJECT MANAGER: Dick Johnson
BILL TO: I.T Corp
1150 Le Blanc Rd.
Port Allen La. 70767
PURCHASE ORDER NO. A25 90439

DATE SAMPLES SHIPPED: 3-11-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd
Port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO. 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4390	Soil	125 ML	None	TPH by 9071, Btex, 5030 & 8020	
" "				Lead 7421, TCLP 1311	
C4391				TPH by 9071, Btex 5030 & 8020	
" "				Lead 7421, TCLP 1311	
C4392				TPH by 9071, Btex 5030 & 8020	
" "				Lead 7421, TCLP 1311	
C4393				TPH by 9071, Btex 5030 & 8020	
" "				Lead 7421, TCLP 1311	
C4394				TPH by 9071, Btex 5030 & 8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Project Manager.)

Normal ✓ Rush _____ (Subject to rush surcharge)

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances)

Nonhazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, and disposal.)

Return to Client _____ Disposal by Lab ✓

FOR LAB USE ONLY

Received By: [signature] ITMS Dis Date/Time 3/12/91 0950

WHITE - Original, to accompany samples
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INTERNATIONAL TECHNOLOGY CORPORATION

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CHAIN-OF-CUSTODY RECORD

R/A Control No. 107382

C/C Control No. 192930

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS John Olide

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4390	north wall of tank pit # 273	3-7-91 1430	Soil	125 ML	Good Cond 1°C	
" "	" "	1435			JO 3/12/91	
C4391	South wall of tank pit # 273	1440				
" "	" "	1445				
C4392	East wall of tank pit # 273	1450				
" "	" "					
C4393	West wall of tank pit # 273					
" "	" "					
C4394	southeast wall of tank pit # 273					
" "	" "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Jr. 3-11-91

   Received By: John ITAS-AUS 3/12/91 0850

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 24[illegible]28
C/C Control No. 182825

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306763
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp
1150 LeBlanc Rd
Port Allen La, 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 3-9-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd.
port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4395	Soil	125 ML	None	TPH By 9071, BTEX 5030+8020	
" "	↓	↓	↓	Lead 7421, TCLP 1311	
C4396	↓	↓	↓	TPH by 9071, BTEX 5030+8020	
" "	↓	↓	↓	Lead 7421, TCLP 1311	
C4397	↓	↓	↓	TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] FTAS-AUS Date/Time 3/12/91 0850

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126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240428

C/C Control No. 182825

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray SR.

CARRIER/WAYBILL NO. 0420907174

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4395	South east wall of tank hole #1394 (Random	3-9-91 1245	Soil	125 ML	Good 12	
" "	" "				Cond	
C4396	West end of tank hole #1394 (Random	1255			3/12/91	
" "	" "					
C4397	north end of tank hole #1394 (Random	1 00				
" "	" "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray SR. I-T Corp. 3-9-91

   Received By: [signature] 3/10/91 FTAS-Aus 3/12/91 0830

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 2[illegible]09
C/C Control No. 182826

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp
1150 LeBlanc Rd
Port Allen La, 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 3-9-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd.
Port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4398	Soil	125 ML	None	TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4399				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	
C4400				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	
C4401				TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4402				TPH by 9071, BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] ITASAUS Date/Time 3/12/91 0850

WHITE - Original, to accompany samples
YELLOW - Field copy

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INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240909

C/C Control No. 182826

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCoy Jr.

CARRIER/WAYBILL NO. 0420407144

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4398	North west wall of pit #1394	3-9-91 4:10	Soil	125 ML	Good Cond 1°C	
" "	" "				JD 3/12/91	
C4399	North East wall of tank pit #1394	4:25				
" "	" "					
C4400	Center wall of tank pit #1394	4:40				
" "	" "					
C4401	South east wall of tank pit #1394	5:00				
" "	" "					
C4402	South west wall of tank pit #1394	5:15				
" "	" "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McCoy Jr. 3-9-91

   Received By: [illegible] ITAS Aus 3/12/91 0850

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/10/91

Work Order: BO-12-187 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL INVESTIGATION 306703-000
Date Received: 12/19/90
Number of Samples: 21
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE ON PAGE 31

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8075	BO-12-187-22
P8076	BO-12-187-23
P8077	BO-12-187-24
P8078	BO-12-187-25
P8079	BO-12-187-26
P8080	BO-12-187-27
P8081	BO-12-187-28
P8082	BO-12-187-29
P8083	BO-12-187-30
P8084	BO-12-187-31

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-187

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P8085	BO-12-187-32
P8086	BO-12-187-33
P8087	BO-12-187-34
P8088	BO-12-187-35
P8089	BO-12-187-36
P8090	BO-12-187-37
P8091	BO-12-187-38
P8092	BO-12-187-39
P8093	BO-12-187-40
P8094	BO-12-187-41
P8095	BO-12-187-42

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

SAMPLE ID	P8075	P8076	P8077	
SAMPLED	12/16/90	12/16/90	12/16/90	
TEST				UNITS
LEAD -FURNACE	8.6 [1.0]	21 [2.0]	14 [1.0]	mg/kg
OIL AND GREASE SOIL 9071	3800 [50.0]	ND [50.0]	120 [50.0]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

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AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-187

SAMPLE ID	P8078	P8079	P8080	
SAMPLED	12/16/90	12/16/90	12/16/90	
TEST				UNITS
LEAD	18	11	15	mg/kg
-FURNACE	[1.8]	[0.9]	[1.0]	
OIL AND GREASE	36000	ND	ND	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-1

SAMPLE ID	P8081	P8082	P8083	
SAMPLED	12/16/90	12/16/90	12/16/90	
TEST				UNITS
LEAD	98	31	600	mg/kg
-FURNACE	[2.0]	[4.3]	[83]	
OIL AND GREASE	ND	ND	ND	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

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AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-187

SAMPLE ID	P8084	P8085	P8086	
SAMPLED	12/16/90	12/16/90	12/16/90	
TEST				UNITS
LEAD	18	21	22	mg/kg
-FURNACE	[2.0]	[1.9]	[1.7]	
OIL AND GREASE	180	ND	ND	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-18

SAMPLE ID	P8087	P8088	P8089	
SAMPLED	12/16/90	12/16/90	12/16/90	
TEST				UNITS
LEAD -FURNACE	10 [0.8]	12 [0.8]	14 [1.0]	mg/kg
OIL AND GREASE SOIL 9071	ND [50.0]	ND [50.0]	ND [50.0]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-187

SAMPLE ID	P8090	P8091	P8092	
SAMPLED	12/17/90	12/17/90	12/17/90	
TEST				UNITS
LEAD	13	22	120	mg/kg
-FURNACE	[0.9]	[1.9]	[9.5]	
OIL AND GREASE	ND	ND	2000	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-1

SAMPLE ID	P8093	P8094	P8095	
SAMPLED	12/17/90	12/17/90	12/17/90	
TEST				UNITS
LEAD -FURNACE	15 [1.0]	12 [0.9]	15 [1.0]	mg/kg
OIL AND GREASE SOIL 9071	1300 [50]	780 [50]	560 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: BO-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8075
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/25/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8076
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8077
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/25/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-1

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8078
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/25/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8079
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/25/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8080
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/25/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8081
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/25/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8082
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8083
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/30/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-1

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8084
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/25/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8085
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8086
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8087
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8088
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/30/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8089
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-16

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8090
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8091
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8092
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8093
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8094
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/30/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-187

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8095
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/30/90

	Results in ug/kg:	Detection Limit
Benzene	2.2	1
Ethylbenzene	ND	1
Toluene	5.4	1
Xylenes (total)	4.1	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

FORT McCLELLEN

* As a result of matrix interference the QC for sample ID P8088 was out of the acceptable range. A medium level prep had to be used which resulted in the higher detection limits reported.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-187

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012186
87
88

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258988
C/C Control No. 160653

PROJECT NAME: Ft. McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT CORP
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT CORP
Port Allen, LA
DATE REPORT REQUIRED: one week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8054	Soil	250 ml	ice	BETX(8021), TPH(9071), Pb(GF)(7421)	
P8055	↓	↓	↓	↓	
P8056					
P8057					
P8058					
P8059					
P8060					
P8061					
P8062					
P8063					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ✓ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 5 (Indicate number of months.)

FOR LAB USE ONLY
Received by J. Kolinski
Date/Time 12/19/90 0815

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258988

C/C Control No. 160683

PROJECT NAME/NUMBER Ft. McClellan 306703

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8054	T598 (B1) 0-2	12/15/90 8:14	Soil	glass	Good Cond 4°C	
P8055	T598 (B1) 8-10	12/15/90 8:20			See Nonconformance	
P8056	T598 (B1) 18-20	12/15/90			T. Kalinsky	
P8057	T598 (B2) 0-2	12/15/90 9:15			12/19/90	
P8058	T598 (B2) 8-10	12/15/90 9:40				
P8059	T598 (B2) 18-20	12/15/90 1000				
P8060	T598 (B3) 0-2	12/15/90 1110				
P8061	T598 (B3) 8-10	12/15/90 1120				
P8062	T598 (B3) 18-20	12/15/90 1140				
P8063	T598 (BA) 0-2	12/15/90 1330				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson

   Received By: T. Kalinsky IT 12/19/90 0815

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258989
C/C Control No. 160684

PROJECT NAME: Ft McClellan 306703
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
Port Allen, LA

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/15/90
LAB DESTINATION: IT AS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen

DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8064	Soil	250 ml	ice	BCEX(8011), TPH(9011), Pb(GF)(7421)	
P8065	↓	↓	↓	↓	
P8066	↓	↓	↓	↓	
P8067	↓	↓	↓	↓	
P8068	↓	↓	↓	↓	
P8069	↓	↓	↓	↓	
P8070	↓	↓	↓	↓	
P8071	↓	↓	↓	↓	
P8072	↓	↓	↓	↓	
P8073	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/19/90 0815

WHITE - Original, to accompany samples

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258989

C/C Control No. 160684

PROJECT NAME/NUMBER Ft McClellan 306703

LAB DESTINATION IT-AS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8064	T-598 (B4) 8-10	12/15/90 1346	Soil	Glass	Good Cond. 4°C	
P8065	T-598 (B4) 18-20	12/15/90 1400			See Nonconformance	
P8066	T 598 (B5) 0-2	12/15/90 1551			T. Malinski	
P8067	T-598 (B5) 8-10	12/15/90 1558			12/19/90	
P8068	T-598 (B5) 18-20	12/15/90 1619				
P8069	T-598 (B6) 0-2	12/15/90 1640				
P8070	T-598 (B6) 8-10	12/15/90 1649				
P8071	T-598 (B6) 18-20	12/15/90 1651				
P8072	S-55 (B1) 0-2	12/16/90 844				
P8073	S 55 (B1) 8-10	" 855				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson

   Received By: T. Malinski, IT 12/19/90 0815

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258990
C/C Control No. 160486

PROJECT NAME: Ft Dc Clellen
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/8/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen

DATE REPORT REQUIRED: One-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8074	Soil	250 ml	ice	BETX (8021), TPH (9071), Pb (6010) (7421)	
P8075	↓	↓	↓	↓	
P8076					
P8077					
P8078					
P8079					
P8080					
P8081					
P8082					
P8083	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/10/90 0815

WHITE - Original, to accompany samples

126A-10-85

IT INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258

C/C Control No. 160686

PROJECT NAME/NUMBER A McClellan 306703

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8074	S-55 18 20 (B1)	12/16/90 909	soil	glass	Good Cond 4°C	
P8075	S-55 (B2) 0-2	12/16/90 923			Lab Nonconformances	
P8076	S-55 (B2) 8-10	" 934			T. Kalinsky	
P8077	S-55 (B2) 18-20	" 949			12/19/90	
P8078	S-55 (B3) 0-2	" 1010				
P8079	S-55 (B3) 8-10	" 1025				
P8080	S-55 (B3) 18-20	" 1044				
P8081	S-55 (B4) 0-2	" 1100				
P8082	S-55 (B4) 8-10	" 1121				
P8083	S-55 (B4) 18-20	" 1140				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: T Kalinsky IT 12/19/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258991

C/C Control No. 160685

PROJECT NAME: Ft McClellan

PROJECT NUMBER: 306703

PROFIT CENTER NUMBER: 3526

PROJECT MANAGER: Dick Johnson

BILL TO: IT Corp
1150 Le Blanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90

LAB DESTINATION: ITAS

LABORATORY CONTACT: Tony Spinelli

SEND LAB REPORT TO: Dick Johnson
IT Corp
Port Allen

DATE REPORT REQUIRED: one-week turnaround

PROJECT CONTACT: Dick Johnson

PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8084	Soil	250 ml	ice	BCDX (8021), TPH (9071), Pb (6F) (7421)	
P8085	↓	↓	↓	↓	
P8086					
P8087					
P8088					
P8089					
P8090					
P8091					
P8092					
P8093					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)

Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY

Received by T. Kalinsky

Date/Time 12/19/90 0815

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258991

C/C Control No. 160685

PROJECT NAME/NUMBER Ft. McClellan 306203

LAB DESTINATION IIAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8084	S-55 (BS) 0-2	12/16/90 1255	30:1	Glass	Good Cond 4°C	
P8085	S-55 (BS) 8-10	12/16/90 1305			See Performance	
P8086	S-55 (BS) 18-20	12/16/90 1314			[illegible]	
P8087	S-55 (BG) 0-2	" 1337			12/18/90	
P8088	S-55 (BG) 8-10	" 1344				
P8089	S-55 (BG) 18-20	" 1350				
P8090	1693 (BW) 0-2	12/17/90 814				
P8091	1693 (BW) 8-10	" 820				
P8092	1693 (BW) 18-20	" 834				
P8093	1693 (BS) 0-2	" 901				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson

   Received By: [illegible], IT 12/18/90 0815

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258992
C/C Control No. 160687

PROJECT NAME: Ft Mc Clellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 35026
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 Le Blanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
Port Allen, LA
DATE REPORT REQUIRED: ON-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8594	soil	250 mL	ice	BTEX (8021), TPH (9071), Pb (6E) (7421)	
P8595	↓	↓	↓	↓	
P8596					
P8597					
P8598					
P8599					
P8100					
P8101					
P8102					
P8103	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (indicate number of months.)

FOR LAB USE ONLY
Received by [illegible] Date/Time 12/19/90 0815

WHITE - Original, to accompany samples

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 250 192

C/C Control No. 160687

PROJECT NAME/NUMBER Ft Mc Clellan 306203

LAB DESTINATION TTAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8094	1693(B5) 8-10	12/10/90 901	Soil	Glass	Good Cond 4°C	
P8095	1693(B5) 18-20	" 926			[illegible]	
P8096	1693(B6) 0-2	" 944			[illegible]	
P8097	1693 (B6) 8-10	" 950			12/18/90	
P8098	1693 (B6) 18-20	"				
P8099	T894 (B1) 0-2	" 1300				
P8100	T894 (B1) 8-10	" 1309				
P8101	T894 (B1) 18-20	" 1321				
P8102	T894 (B2) 0-2	" 1345				
P8103	T894 (B2) 8-10	" 1355				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: [illegible] TT 12/18/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258993
C/C Control No. 166688

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 [redacted] [redacted] LeBlanc
Port Allen, LA 70767
PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED: One-week Turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8104	Soil	250 ml	ice	PETR (8021), TPH (9071), Pb(GF)(7421)	
P8105	↓	↓	↓	↓	
P8106					
P8107					
P8108					
P8109					
P8110					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal _____ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab _____ Archive _____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/19/90 0815

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258-193

C/C Control No. 160688

PROJECT NAME/NUMBER Ft Dix Clellan

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
PS104	T894 (18-20) (B2)	11/10/90 1404	Soil	Glass	Cool Cool 4°C	
PS105	T894 (B3) 0-2	" 1514			[illegible]	
PS106	T894 (B3) 8-10	" 1518			[illegible]	
PS107	T894 (B3) 18-20	" 1528			12/19/90	
PS108	T894 (B4) 0-2	" 1550				
PS109	T894 (B4) 8-10	" 1616				
PS110	T894 (B4) 18-20	" 1609				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: [illegible] IT 11/19/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

RECEIVED APR 1991

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT Corporation
1150 LeBlanc Road
Port Allan, LA 70767

Date: April 22, 1991

Attn: Mr. Dick Johnson

Job Number 21361

P.O. Number AJS90439

This is the Certificate of Analysis for the following samples:

Client Project ID:	Ft. McClellan Project
Date Received:	March 28, 1991
Work Order:	X1-03-222
Number of Samples:	12
Sample Type:	Soil

I. Introduction

Twelve soil samples arrived at ITAS Cincinnati on March 28, 1991. The samples were sent for analytical work in support of monitoring work on the Ft. McClellan Project. The samples were labeled as follows:

Soil # C-4363	Soil # C-4440
Soil # C-4435	Soil # C-4441
Soil # C-4436	Soil # C-4442
Soil # C-4437	Soil # C-4443
Soil # C-4438	Soil # C-4444
Soil # C-4439	Soil # C-4445

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information, the analytical results, and the appropriate detection limits.

The analyses requested are listed on the following page.

Reviewed and Approved by:

Bruce Rohrbach
Project Manager
103222

II. Analytical Results/Methodology (cont.)

* Benzene, Toluene, Ethyl Benzene and Xylene by Gas Chromatography/Mass Spectroscopy; EPA Method 8240

* Oil and Grease by EPA Method 9071

* Total Lead by Graphite Furnace Atomic Absorption; EPA Method 7421

* TCLP Lead by Inductively Coupled Plasma Spectroscopy EPA Method 6010. TCLP leaching performed at ITAS by EPA Method 1311

III. Quality Control

Immediately following the analytical data for the samples can be found the QA/QC information that pertains to these samples. The purpose of this information is to demonstrate that the data enclosed is scientifically valid and defensible. This QA/QC data is used to assess the laboratory's performance during the analysis of the samples it accompanies. All quantitations were performed from within the calibrated range of the analytical instrument.

Client: Ft. McClellan
Work Order: X1-03-222
10322203

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, ug/Kg

Client Sample ID	Lab No.	Benzene	Toluene	Ethyl Benzene	Total Xylenes
Soil # C-4363	01	ND	ND	ND	ND
Soil # C-4435	02	ND	11	ND	ND
Soil # C-4436	03	ND	ND	ND	ND
Soil # C-4437	04	ND	ND	ND	ND
Soil # C-4438	05	ND	6	ND	ND
Soil # C-4439	06	ND	ND	ND	ND
Soil # C-4440	07	ND	ND	ND	ND
Soil # C-4441	08	ND	ND	ND	ND
Soil # C-4442	09	ND	9	ND	ND
Soil # C-4443	10	ND	ND	ND	ND
Soil # C-4444	11	ND	ND	ND	ND
Soil # C-4445	12	ND	ND	ND	ND
Method Blank	VBLKR5	ND	ND	ND	ND
Method Blank	VBLKR6	ND	ND	ND	ND
Detection limit		5	5	5	5

ND = Not detected above the reported detection limit

Client: Ft. McClellan
Work Order: X1-03-222
10322204

IT ANALYTICAL SERVICES
CINCINNATI, OH

Quality Assurance Data

Client Sample ID	Lab No.	Volatile Surrogate Recovery, Percent d4-1,2-dichloro-ethane	d8-Toluene	p-Bromo-fluoro-benzene
Soil # C-4363	01	96	102	96
Soil # C-4435	02	94	101	98
Soil # C-4436	03	95	101	97
Soil # C-4437	04	98	106	95
Soil # C-4438	05	96	110	92
Soil # C-4439	06	98	95	103
Soil # C-4440	07	102	99	96
Soil # C-4441	08	100	101	95
Soil # C-4442	09	96	83	109
Soil # C-4443	10	98	109	88
Soil # C-4444	11	98	82	112
Soil # C-4445	12	100	83	104
Method Blank	VBLKR5	97	98	102
Method Blank	VBLKR6	99	102	99
CLP/SW-846 Soil Limits		(70-121)	(81-117)	(74-121)

Client: Ft. McClellan
Work Order: X1-03-222
10322206

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, ppm

Client Sample ID	Lab No.	Oil & Grease
Soil # C-4363	01	ND
Soil # C-4435	02	ND
Soil # C-4436	03	ND
Soil # C-4437	04	230
Soil # C-4438	05	ND
Soil # C-4439	06	420
Soil # C-4440	07	ND
Soil # C-4441	08	ND
Soil # C-4442	09	ND
Soil # C-4443	10	25,000
Soil # C-4444	11	55,000
Soil # C-4445	12	49,000
Method Blank	BLK142	ND
Detection limit		100

ND = Not detected above the reported detection limit

Client: Ft. McClellan
Work Order: X1-03-222
10322202

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results

Client Sample ID	Lab No.	Units	Lead
(TCLP)			
Soil # C-4363	01	mg/L	ND
Soil # C-4435	02	mg/L	ND
Soil # C-4436	03	mg/L	ND
Soil # C-4437	04	mg/L	ND
Soil # C-4438	05	mg/L	ND
Soil # C-4439	06	mg/L	ND
Soil # C-4440	07	mg/L	ND
Soil # C-4441	08	mg/L	ND
Soil # C-4442	09	mg/L	ND
Soil # C-4443	10	mg/L	ND
Soil # C-4444	11	mg/L	ND
Soil # C-4445	12	mg/L	ND
Detection limit			0.2

Client Sample ID	Lab No.	Units	Lead
(Total)			
Soil # C-4363	01	ug/g	5.4
Soil # C-4435	02	ug/g	6.8
Soil # C-4436	03	ug/g	8.4
Soil # C-4437	04	ug/g	5.3
Soil # C-4438	05	ug/g	15
Soil # C-4439	06	ug/g	13
Soil # C-4440	07	ug/g	15
Soil # C-4441	08	ug/g	18
Soil # C-4442	09	ug/g	10
Soil # C-4443	10	ug/g	28
Soil # C-4444	11	ug/g	8.7
Soil # C-4445	12	ug/g	9.8
Detection limit			0.6

ND = Not detected above the reported detection limit

Client: Ft. McClellan
Work Order: X1-03-222
10322205

IT ANALYTICAL SERVICES
CINCINNATI, OH

Quality Assurance Data

Quality Control
Standard Reference Solutions

Analyte	Theoretical Value	Percent Recovery
(TCLP) Lead	0.075	101
(Total) Lead	2	90.9

~~XT-03-66~~ 3/28/91 XT-03222

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. [redacted]

C/C Control No. | | |

PROJECT NAME/NUMBER Ft. McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray SR.

CARRIER/WAYBILL NO. 9001235633

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4438	North west wall, Between tank 4 & 5 #265	3-27-91 0730	Soil	125 ML Glass	Samples recieved in good	
" "	" Representing Center hole "	" "			condition and cold.	
C-4439	North wall Between 4-5 tank #265	0740			Chain of custody seal on	
" "	" "	" "			shipping cooler. recieved	
C-4440	South wall, Between tank 4-5 #265	0800			intact.	
" "	" "	" "			3/28/91	
C-4441	East wall, Between tank 4-5 #265	0810			Nicholas W. Plummer	
" "	" "	" "				
C-4442	West wall, Between tank 4-5 #265	0820				
" "	" "	" "				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray I.T Corp - 3-27-91

   Received By: Nicholas W. Plummer TTAS 3-28-91 09:00am

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - F y

~~XT-05-04~~ 3/28/91 XT-05-222

IT INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 22 84

C/C Control No.

PROJECT NAME/NUMBER Ft. McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray SR.

CARRIER/WAYBILL NO. 9001235633

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4443	Top half Between tank 4-5 #265 Random	3-27-91 0900	Soil	125 ML Glass	Samples recieved cold and in	
" "	" "	" "			good condition with chain-of	
C-4444	south side of tank 4-5 #265 Random	0910			custody seal on shipping cooler	
" "	" "	" "			intact. 3/28/91	
C4445	North side of tank 4-5 #265 Random	0925			Nicholas W. Plummer	
" "	" "	" "				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Sr. 3-27-91 I.T Corp.

   Received By: Nicholas W. Plummer ITAS 3-28-91 09:00

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. [illegible]

C/C Control No.

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray Sr.

CARRIER/WAYBILL NO. 9749490671

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4363	West wall of pit #265	3-25-91 0900	Soil	125 ML	Good Cond 4°C	
" "	" "	" "	" "	" "	See Nonconformance	
C-4435	North wall of Filter area #265	1100			TK 3/27/91	
" "	" "	" "				
C4436	South wall of Filter area #265	1130				
" "	" "	" "				
C4437	Center Tinch of filter wall #265	1200				
" "	" "	" "				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McCray Sr. I.T.Corp 3-25-91

   Received By: T Kalinowsky IT 3/27/91 0840

2. Relinquished By: T Kalinowsky IT 3/27/91 1730

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT Corporation
1150 Leblanc Road
Port Allan, LA 70767

Date: April 21, 1991

Attn: Mr. Dick Johnson

Job Number 21361

P.O. Number AJS90439

This is the Certificate of Analysis for the following samples:

Client Project ID:	Ft. McClellan Project
Date Received:	April 10, 1991
Work Order:	X1-04-068
Number of Samples:	8
Sample Type:	Soil

I. Introduction

Eight soil samples arrived at ITAS Cincinnati on April 10, 1991. The samples were sent for analytical work in support of monitoring work on the Ft. McClellan Project. The samples were collected on April 9, 1991 and were labeled as follows:

Soil # C-4456	Soil # C-4459	Soil # C-4462
Soil # C-4457	Soil # C-4460	Soil # C-4463
Soil # C-4458	Soil # C-4461	

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information, the analytical results, and the appropriate detection limits.

The analyses requested are listed on the following page.

Reviewed and Approved by:

Bruce Rohrbach
Project Manager
104068

II. Analytical Results/Methodology (cont.)

* Oil and Grease by EPA Method 9071

* TCLP Lead by Inductively Coupled Plasma Spectroscopy; EPA Methods 1311 and 6010

III. Quality Control

Immediately following the analytical data for the samples can be found the QA/QC information that pertains to these samples. The purpose of this information is to demonstrate that the data enclosed is scientifically valid and defensible. This QA/QC data is used to assess the laboratory's performance during the analysis of the samples it accompanies. All quantitations were performed from within the calibrated range of the analytical instrument.

Client: Ft. McClellan
Work Order: X1-04-068
10406802

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, mg/L

Client Sample ID	Lab No.	Lead
(TCLP)		
Soil # C-4456	01	ND
Soil # C-4457	02	ND
Soil # C-4458	03	ND
Soil # C-4459	04	ND
Soil # C-4460	05	ND
Soil # C-4461	06	ND
Soil # C-4462	07	ND
Soil # C-4463	08	ND
Detection limit		0.1

ND = Not detected above the reported detection limit

Quality Control
Standard Reference Solution

Analyte	Theoretical Value	Percent Recovery
(TCLP) Lead	2	94.9

Client: Ft. McClellan
Work Order: X1-04-068
10406805

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, ug/g

Client Sample ID	Lab No.	Oil & Grease
Soil # C-4456	01	100
Soil # C-4457	02	ND
Soil # C-4458	03	ND
Soil # C-4459	04	160
Soil # C-4460	05	ND
Soil # C-4461	06	ND
Soil # C-4462	07	140
Soil # C-4463	08	210
Detection Limit		100

ND = Not detected above the reported detection limit

X1-04-068

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240.

C/C Control No. 57546

PROJECT NAME/NUMBER Ft. McClellan / 306703

LAB DESTINATION I.T Cincinnati

SAMPLE TEAM MEMBERS W. McCray Sr.

CARRIER/WAYBILL NO. 2827745045

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4456	North wall of tank #7 area #265	4-9-91 1300	soil	125 ml	Samples received cold and in good condition, but without chain-of-custody seals either on shipping cooler or individual sample containers. 4/10/91 Michelle W. Plummer	
" "		"				
C4457	East wall of tank #7 Area #265	1320				
" "	" "	"				
C-4458	North west wall of Tank #7-Area #265	1330				
" "	" (Representing bottom) "	"				
C4459	West wall of tank #7 Area #265	1345				
" "	" "	"				
C4460	South wall of tank #7 Area #265	1355				
" "	" "	"				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McCray Sr. 3-9-91 - ITCorp.

   Received By: Michelle W. Plummer 4-10-91 1745 09:15am

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples

YELLOW - Field copy

X1-04-068

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240629

C/C Control No. 57547

PROJECT NAME/NUMBER Ft. McClellan / 306703

LAB DESTINATION I.T Cincinnati

SAMPLE TEAM MEMBERS W. McGray Sr.

CARRIER/WAYBILL NO. 2827745045

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4461	Top half of wall Tank #7 (Random)	4-9-90 0900	soil	125 ML Gals	Samples received cold and in	
" "	" Area # 265 "	"			good condition, but without	
C-4462	north wall of tank #7 (Random) #265	0915			chain-of-custody seals on either	
" "	" "	"			the shipping coolers or the	
C 4463	south wall of tank #7 (random) #265	0930			individual sample containers.	
" "	" "	"			4/10/91 Melissa W. Plummer	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McGray Sr. 3-9-91 - IT Corp.

   Received By: Melissa W. Plummer 4-10-91 ITAS 09:15am

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To [illegible] any samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT Corporation

Date: April 21, 1991

Attn: Mr. Dick Johnson

Job Number 21361

P.O. Number AJS90439

This is the Certificate of Analysis for the following samples:

Client Project ID:	Ft. McClellan Project
Date Received:	April 10, 1991
Work Order:	X1-04-077
Number of Samples:	8
Sample Type:	Soil

I. Introduction

Eight soil samples arrived at ITAS Cincinnati on April 10, 1991. The samples were sent for analytical work in support of monitoring work on the Ft. McClellan Project. The samples were collected on April 9, 1991 and were labeled as follows:

Soil # C-4456	Soil # C-4459	Soil # C-4462
Soil # C-4457	Soil # C-4460	Soil # C-4463
Soil # C-4458	Soil # C-4461	

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information, the analytical results, and the appropriate detection limits.

The analysis requested are listed on the following page.

Reviewed and Approved by:

Bruce Rohrbach
Project Manager
104077

Client: Ft. McClellan
Work Order: X1-04-077
10407702

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analtical Results, ug/kg

Client Sample ID	Lab No.	Benzene	Toluene	Ethyl Benzene	Xylene
Soil # C-4456	01	ND	ND	ND	ND
Soil # C-4457	02	ND	ND	ND	ND
Soil # C-4458	03	ND	ND	ND	ND
Soil # C-4459	04	ND	ND	ND	ND
Soil # C-4460	05	ND	ND	ND	ND
Soil # C-4461	06	ND	ND	ND	ND
Soil # C-4462	07	ND	ND	ND	ND
Soil # C-4463	08	ND	ND	ND	ND
Method Blank	BLK001	ND	ND	ND	ND
Method Blank	BLK002	ND	ND	ND	ND
Detection Limit		5	5	5	5

Client: Ft. McClellan
Work Order: X1-04-077
10407704

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, ug/g

Client Sample ID	Lab No.	Lead
Soil # C-4456	01	12
Soil # C-4457	02	3.1
Soil # C-4458	03	18
Soil # C-4459	04	2.5
Soil # C-4460	05	9.8
Soil # C-4461	06	10
Soil # C-4462	07	3.0
Soil # C-4463	08	2.0
Detection Limit		0.7

Quality Control
Standard Reference Solution

Analyte	Theoretical Value	Percent Recovery
Lead	0.075	105.2, 104.8

$$\% \text{ recovery} = \frac{\text{surrogate recovered}}{\text{surrogate added}} \times 100$$

Client: Ft. McClellan
Work Order: X1-04-077
10407703

IT ANALYTICAL SERVICES
CINCINNATI, OH

BTEX Surrogate Recovery, Percent

alpha, alpha, alpha-Trifluorotoluene

Client Sample ID	Lab No.	Percent Recovery
Soil # C-4456	01	81
Soil # C-4457	02	73
Soil # C-4458	03	76
Soil # C-4459	04	69
Soil # C-4460	05	61
Soil # C-4461	06	56
Soil # C-4462	07	64
Soil # C-4463	08	44
Method Blank	BLK001	94
Method Blank	BLK002	87

All recoveries within internal QC limits.

$$\% \text{ recovery} = \frac{\text{surrogate recovered}}{\text{surrogate added}} \times 100$$

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT PORT ALLEN
IT CORPORATION
1150 LE BLANC
PORT ALLEN LOUISIANA 70767
DICK JOHNSON

Date: 01/10/91

Work Order: B0-12-110

This is the Certificate of Analysis for the following samples:

Client Work ID: FT. MCCLELLAN-306703 306703
Date Received: 12/13/90
Number of Samples: 3
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P7667	B0-12-110-22
P7668	B0-12-110-23
P7669	B0-12-110-24

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-110

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-110

SAMPLE ID	P7667	P7668	P7669	
SAMPLED	12/12/90	12/12/90	12/12/90	
TEST				UNITS
LEAD	17	17	22	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	2000	3000	ND	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	
	273 B1	273 B1	273 B1	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-110

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7667
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-110

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7668
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-110

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7669
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-110

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012109

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258941
C/C Control No. 160623

PROJECT NAME: Ft McClellen
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12/12/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8006	Soil	250mL	Ice	BETX(8020), TPH(9071), lead(GF) 7421	
P8007					
P8008					
P8009					
P8010					
P8011					
P8003					
P8005					
P8004					
P8000					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal _____ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab _____ Archive 2 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/13/90 0835

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B012109

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258941

C/C Control No. 160623

PROJECT NAME/NUMBER Ft McClellan 306703

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8006	1689 B-1 6'to8'	12-12-90 1344	Soil	9 Jars	Good Cond 1°C	
P8007	1689 B-1 14'to16'	12-12-90 1403	"	"	T Kalinsky	
P8008	1689 B-1 18'to20'	12-12-90 1431	"	"	12/13/90	
P8009	1689 B-2 2'to4'	12-12-90 1405	"	"		
P8010	1689 B-2 8'to10'	12-12-90 1415	"	"		
P8011	1689 B-2 18'to20'	12-12-90 1440	"	"		
P8003	T273 B-4 0'to2'	12-12-90 0745	"	"		
P8005	T273 B-4 8'to10'	12-12-90 0800	"	"		
P8004	T273 B-4 18'to20'	12-12-90 0820	"	"		
P8000	T273 B-5 0'to2'	12-12-90 0830	"	"		

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/12/90 5:00 pm
   Received By: T Kalinsky IT 12/13/90 0835
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - T[illegible]pany samples
YELLOW - F[illegible]py

INTERNATIONAL TECHNOLOGY CORPORATION

B012109

REQUEST FOR ANALYSIS

R/A Control No. 258940
C/C Control No. 160624

PROJECT NAME: Ft McClellen
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
~~Re~~ 1150 LeBlanc Rd
Port Allen, LA
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12/12/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
Port Allen, LA
DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8001	Soil	250ml	ice	BTEX (8020), TPH (9071), lead (GF) 7421	
P8002					
P8012					
P8013					
P8014					
P7670					
P7671					
P7622					
P7673					
P7674					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ____ Archive 2 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/13/90 0835

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012109

R/A Control No. 258440

C/C Control No. 160624

PROJECT NAME/NUMBER Ft. McClellan 306703

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8001	T-273 B5 8' to 10'	12-12-90 0855	Soil	glass	Good Cond 1°C	
P8002	T273 B5 18' to 20'	12-12-90 0913	Soil	glass	See Nonconformance	
P8012	T273 B6 0' to 2'	12-12-90 0923	"	"	T. Kalinsky	
P8013	T273 B6 8' to 10'	12-12-90 0830	"	"	12/13/90	
P8014	T273 B6 18' to 20'	12-12-90 1001	"	"		
P7670	T273 B2 0' to 2'	12.10.90 1400	"	"		
P7671	T-273 B2 8' to 10'	12.10.90 1420	"	"		
P7672	T273 B2 18' to 20'	12-10-90 1430	"	"		
P7673	T273 B3 0' to 2'	12-10-90 1500	"	"		
P7674	T273 B3 8' to 10'	12-10-90 1515	"	"		

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/12/90 5:00

   Received By: T. Kalinsky, IT 12/13/90 0835

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - Company samples
YELLOW - File copy

B012109

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258943
C/C Control No. 160625

PROJECT NAME: Ft Mc Clelland
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen,

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/12/00
LAB DESTINATION: IT AS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen

DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P7675	Soil	250 ml	Ice	BTEX (8020), TPH (9071), lead (6F) 7421	
P7667					
P7668					
P7669					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ____ Archive 2 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/13/00 0825

WHITE - Original, to accompany samples

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012109

R/A Control No. 258943

C/C Control No. 160625

PROJECT NAME/NUMBER Ft McClellan 306703

LAB DESTINATION ~~IT~~ ITAS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P7675	T273 B3 18' to 20'	12-10-90 1530	Soil	Glass	Good Cond 1°C	
P7667	T273 B1 0' to 2'	12-10-90 1030	"	"	See Noncomformance	
P7668	T273 B1 8' to 10'	12-10-90 1040	"	"	T. Kalinsky	
P7669	T273 B1 18 to 20	12-10-90 1055	"	"	12/13/90	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori J. Ferguson 12/12/90 5 pm

   Received By: T. Kalinsky, IT 12/13/90 0835

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - T[illegible] ipany samples
YELLOW - F[illegible] copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT PORT ALLEN
IT CORPORATION
1150 LE BLANC
PORT ALLEN LOUISIANA 70767
DICK JOHNSON

Date: 01/10/91

Work Order: B0-12-109

This is the Certificate of Analysis for the following samples:

Client Work ID: FT. MCCLELLAN-306703 306703
Date Received: 12/13/90
Number of Samples: 21
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8006	B0-12-109-01
P8007	B0-12-109-02
P8008	B0-12-109-03
P8009	B0-12-109-04
P8010	B0-12-109-05
P8011	B0-12-109-06
P8003	B0-12-109-07
P8005	B0-12-109-08
P8004	B0-12-109-09
P8000	B0-12-109-10
P8001	B0-12-109-11

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-10

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P8002	B0-12-109-12
P8012	B0-12-109-13
P8013	B0-12-109-14
P8014	B0-12-109-15
P7670	B0-12-109-16
P7671	B0-12-109-17
P7672	B0-12-109-18
P7673	B0-12-109-19
P7674	B0-12-109-20
P7675	B0-12-109-21

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

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(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

SAMPLE ID	P8006	P8007	P8008	
SAMPLED	12/12/90	12/12/90	12/12/90	
TEST				UNITS
LEAD -FURNACE	140 [22]	26 [2.2]	25 [2.4]	mg/kg
OIL AND GREASE SOIL 9071	61 [50.0]	64 [50.0]	55 [50.0]	mg/kg
	1684 B1	1685 B1	1686 B1	

ND indicates the parameter was not detected.
Detection limits are specified in [].

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Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

SAMPLE ID	P8009	P8010	P8011	
SAMPLED	12/12/90	12/12/90	12/12/90	
TEST				UNITS
LEAD	32	26	19	mg/kg
-FURNACE	[2.2]	[2.1]	[2.1]	
OIL AND GREASE	65	ND	58	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	
	1689 A2	1689 B2	1689 A2	

ND indicates the parameter was not detected.
Detection limits are specified in [].

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Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

SAMPLE ID	P8003	P8005	P8004	
SAMPLED	12/12/90	12/12/90	12/12/90	
TEST				UNITS
LEAD	14	25	21	mg/kg
-FURNACE	[1.0]	[2.4]	[2.0]	
OIL AND GREASE	ND	400	690	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	
	273 BU	273 BU	273 BU	

ND indicates the parameter was not detected.
Detection limits are specified in [].

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AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-10

SAMPLE ID	P8000	P8001	P8002	
SAMPLED	12/12/90	12/12/90	12/12/90	
TEST				UNITS
LEAD	29	15	15	mg/kg
-FURNACE	[2.0]	[1.1]	[2]	
OIL AND GREASE	760	810	510	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	
	273 BS	273 BS	273 BS	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

SAMPLE ID	P8012	P8013	P8014	
SAMPLED	12/12/90	12/12/90	12/12/90	
TEST				UNITS
LEAD -FURNACE	15 [2]	11 [2]	10 [2]	mg/kg
OIL AND GREASE SOIL 9071	760 [50.0]	700 [50.0]	430 [50.0]	mg/kg
	273 B6	273 B6	273 B6	

ND indicates the parameter was not detected.
Detection limits are specified in [].

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(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

SAMPLE ID	P7670	P7671	P7672	
SAMPLED	12/12/90	12/12/90	12/12/90	
TEST				UNITS
LEAD	15	14	18	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	3100	1800	1700	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	
	273 82	273 82	273 82	

ND indicates the parameter was not detected.
Detection limits are specified in [].

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(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

SAMPLE ID	P7673	P7674	P7675	
SAMPLED	12/12/90	12/12/90	12/12/90	
TEST				UNITS
LEAD	19	10	14	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	3700	3400	2800	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	
	673 B3	673 B3	673 B3	

ND indicates the parameter was not detected.
Detection limits are specified in [].

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(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8006
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	1.8	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8007
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	1.4	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-10

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8008
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	2.1	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8009
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	1.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-105

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8010
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	1.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8011
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	1.8	1
Ethylbenzene	2.4	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-10

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8003
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8005
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8004
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

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AUSTIN, TX
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Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8000
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/16/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8001
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8002
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	2.0	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-10!

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8012
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8013
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	1.1	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-10

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8014
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7670
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-10

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7671
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7672
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: B0-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7673
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7674
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-10

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P7675
SAMPLE DATE: 12/12/90
ANALYSIS DATE: 12/17/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: IT PORT ALLEN
Date: 01/10/91
Client Work ID: FT. MCCLELLAN-306703 306703 Work Order: BO-12-109

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012109

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258941
C/C Control No. 160623

PROJECT NAME: Ft McClellen
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12/12/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8006	Soil	250 mL	Ice	BETX(8020), TPH(9071), lead(GF) 7421	
P8007					
P8008					
P8009					
P8010					
P8011					
P8003					
P8005					
P8004					
P8000					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal _____ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab _____ Archive 2 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature]
Date/Time 12/13/90 0835

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B012109

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258941

C/C Control No. 160623

PROJECT NAME/NUMBER Ft McClellan 306703

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8006	1689 B-1 6'to8'	12-12-90 1344	Soil	9 Jars	Good Cond 1°C	
P8007	1689 B-1 14'to16'	12-12-90 1403	"	"	T Kalinich	
P8008	1689 B-1 18'to20'	12-12-90 1431	"	"	12/13/90	
P8009	1689 B-2 2'to4'	12-12-90 1405	"	"		
P8010	1689 B-2 8'to10'	12-12-90 1415	"	"		
P8011	1689 B-2 18'to20'	12-12-90 1440	"	"		
P8003	T273 B-4 0'to2'	12-12-90 0745	"	"		
P8005	T273 B-4 8'to10'	12-12-90 0800	"	"		
P8004	T273 B-4 18'to20'	12-12-90 0820	"	"		
P8000	T273 B-5 0'to2'	12-12-90 0830	"	"		

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/12/90 5:00 pm

   Received By: T Kalinich IT 12/13/90 0835

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

B012109

REQUEST FOR ANALYSIS

R/A Control No. 258940
C/C Control No. 160624

PROJECT NAME: Ft McClellen
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
~~Re~~ 1150 LeBlanc Rd
Port Allen, LA
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12/12/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
Port Allen, LA
DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8001	Soil	250ml	ice	BTEX (8020), TPH (9071), lead (GF) 7421	
P8002					
P8012					
P8013					
P8014					
P7670					
P7671					
P7622					
P7673					
P7674					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ____ Archive 2 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/13/90 0835

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012109

R/A Control No. 258940

C/C Control No. 160624

PROJECT NAME/NUMBER Ft. McClellan 306703

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8001	T-273 B5 8'to10'	12-12-90 0855	Soil	glass	Good Cond 1°C	
P8002	T273 B5 18'to20'	12-12-90 0913	soil	glass	See Nonconformance	
P8012	T273 B6 0'to2'	12-12-90 0923	"	"	T. Kalinsky	
P8013	T273 B6 8'to10'	12-12-90 0830	"	"	12/13/90	
P8014	T273 B6 18'to20'	12-12-90 1001	"	"		
P7670	T273 B2 0'to2'	12-10-90 1400	"	"		
P7671	T-273 B2 8'to10'	12-10-90 1420	"	"		
P7672	T273 B2 18'to20'	12-10-90 1430	"	"		
P7673	T273 B3 0'to2'	12-10-90 1500	"	"		
P7674	T273 B3 8'to10'	12-10-90 1515	"	"		

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/12/90 5:00
   Received By: T. Kalinsky IT 12/13/90 0835
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B012104

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258943
C/C Control No. 160625

PROJECT NAME: Ft McClelland
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen,

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/12/90
LAB DESTINATION: IIAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen

DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P7675	Soil	250 ml	Ice	BTEX (8020), TPH (9071), lead (6F) M21	
P7667					
P7668					
P7669					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab _____ Archive 2 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/13/90 0825

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012109

R/A Control No. 258943

C/C Control No. 160625

PROJECT NAME/NUMBER Ft McClellan 306703

LAB DESTINATION ~~IT~~ ITAS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P7675	T273 B3 18' to 20'	12-10-90 1530	Soil	Glass	Good Cond 1°C	
P7667	T273 B1 0' to 2'	12-10-90 1030	"	"	See Nonconformance	
P7668	T273 B1 8' to 10'	12-10-90 1040	"	"	T. Kalinicki	
P7669	T273 B1 18 to 20	12-10-90 1055	"	"	12/13/90	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori J. Ferguson 12/12/90 5 pm

   Received By: T. Kalinicki IT 12/13/90 0835

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 04/02/91

Work Order: B1-03-036 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000
Date Received: 03/04/91
Number of Samples: 9
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
C4371	B1-03-036-01
C4372	B1-03-036-02
C4373	B1-03-036-03
C4374	B1-03-036-04
C4375	B1-03-036-05
C4376	B1-03-036-06
C4377	B1-03-036-07
C4378	B1-03-036-08
C4378 MATRIX SPIKE	B1-03-036-09

Reviewed and Approved:

Neal Salter for

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-036

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-03

SAMPLE ID	C4371	C4372	C4373	
SAMPLED	02/26/91	02/26/91	02/26/91	
TEST				UNITS
LEAD-TCLP	ND	ND	ND	mg/L
EXTRACTION	[0.25]	[0.25]	[0.25]	
LEAD	11	11	28	mg/kg
-FURNACE	[1.9]	[2.0]	[1.9]	
TCLP	03/19/91	03/19/91	03/19/91	date
EXTRACTION				
OIL AND GREASE	ND	66	77	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000

Work Order: B1-03-036

SAMPLE ID	C4374	C4375	C4376	
SAMPLED	02/26/91	02/26/91	02/26/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	5.9 [0.45]	5.2 [0.48]	5.2 [0.50]	mg/kg
TCLP EXTRACTION	03/19/91	03/19/91	03/19/91	date
OIL AND GREASE SOIL 9071	ND [50.0]	ND [50.0]	120 [50.0]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-03

SAMPLE ID SAMPLED TEST	C4377 02/26/91	C4378 02/26/91	C4378 MATRIX SPIKE 02/26/91	UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	94 % REC.	mg/L
LEAD -FURNACE	7.1 [0.48]	5.8 [0.50]		mg/kg
TCLP EXTRACTION	03/19/91	03/19/91	03/19/91	date
OIL AND GREASE SOIL 9071	ND [50.0]	ND [50.0]		mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-036

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4371
SAMPLE DATE: 02/26/91
ANALYSIS DATE: 03/07/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	2.0	1
Toluene	ND	1
Xylenes (total)	2.2	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-03

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4372
SAMPLE DATE: 02/26/91
ANALYSIS DATE: 03/07/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-036

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4373
SAMPLE DATE: 02/26/91
ANALYSIS DATE: 03/07/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-0

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4374
SAMPLE DATE: 02/26/91
ANALYSIS DATE: 03/07/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-036

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4375
SAMPLE DATE: 02/26/91
ANALYSIS DATE: 03/07/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B1-03-036

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4376
SAMPLE DATE: 02/26/91
ANALYSIS DATE: 03/07/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-036

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4377
SAMPLE DATE: 02/26/91
ANALYSIS DATE: 03/08/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	1.9	1
Xylenes (total)	2.6	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-0

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4378
SAMPLE DATE: 02/26/91
ANALYSIS DATE: 03/08/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-036

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **ICPES Digestion - Water** TEST CODE **3005**

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/02/91
Client Work ID: TANK HOLE # 598 AND RANDOM 306703-000 Work Order: B1-03-0

TEST NAME LEAD-TCLP EXTRACTION TEST CODE PBTCLP

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

TEST NAME TCLP EXTRACTION TEST CODE TCLP_I

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

B103036

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 225491 / 225492

C/C Control No. 182823

PROJECT NAME/NUMBER FT. McClellan / 306703

LAB DESTINATION IT AUSTIN

SAMPLE TEAM MEMBERS N. AMBEAU

CARRIER/WAYBILL NO. 0420907163 FED EX

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4371	SOUTH END of TANK HOLE (random)	2/26/91 0930	SOIL	125 ML	GOOD COND.	
C4372	EAST of TANK HOLE (random)	1010			TEMP 4°C,	* / BOTTLE BROKEN
C4373	NORTH END of TANK HOLE (random)	1100			CJS 3/4/91	
C4374	SOUTH WALL of TANK HOLE #598	1610			NON-CON	
C4375	WEST WALL of TANK HOLE	1615				
C4376	CENTER of TANK HOLE	1620				
C4377	NORTH WALL of TANK HOLE	1630				
C4378	EAST WALL of TANK HOLE	1640				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Nelson Ambeau IT corp. 2/27/91 0530

   Received By: [signature] 3/4/91 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B103036

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 225492
C/C Control No. 182823

PROJECT NAME: FT. McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corporation
1150 LeBlanc Rd.
Port Allen, LA. 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 2/27/91
LAB DESTINATION: IT Austin
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
1150 LeBlanc Rd.
Port Allen, LA 70767
DATE REPORT REQUIRED: 21 Days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: (504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4376	Soil	1 x 125 ML	None	TPH By 9071, BTEX 5030 + 8020	
"	Soil	1 x 125 ML	None	Lead 7421, TCLP 1311	
C4377	↓	↓	↓	↓	
"					
C4378					
"					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/4/91 0900

WHITE - Orig... accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258788

C/C Control No. 160683

PROJECT NAME/NUMBER Ft. McClelland 306703

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8054	T598 (B1) 0-2	12/15/90 8:14	So.1	glass	Good Cond 4°C	
P8055	T598 (B1) 8-10	12/15/90 8:20			See Nonconformances	
P8056	T598 (B1) 18-20	12/15/90			T. Kolinsky	
P8057	T598 (B2) 0-2	12/15/90 9:15			12/19/90	
P8058	T598 (B2) 8-10	12/15/90 9:40				
P8059	T598 (B2) 18-20	12/15/90 1000				
P8060	T598 (B3) 0-2	12/15/90 1110				
P8061	T598 (B3) 8-10	12/15/90 1120				
P8062	T598 (B3) 18-20	12/15/90 1140				
P8063	T598 (B4) 0-2	12/15/90 1338				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson

   Received By: T. Kolinsky IT 12/19/90 0815

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258989
C/C Control No. 160684

PROJECT NAME: Ft McClellan 306703
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT CORP
Port Allen, LA

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/15/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen

DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8064	Soil	250 ml	ice	BEZX(8021), TPH(9071), Pb(GF)(7421)	
P8065	↓	↓	↓	↓	
P8066					
P8067					
P8068					
P8069					
P8070					
P8071					
P8072					
P8073					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/19/90 0815

WHITE - Original to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258901

C/C Control No. 160684

PROJECT NAME/NUMBER Ft McClellan 306703

LAB DESTINATION IIAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8064	T-598 (B4) 8-10	12/15/90 1346	Soil	Glass	Good Cond. 4°C	
P8065	T-598 (B4) 18-20	12/15/90 1400			See Performance Record	
P8066	T 598 (B5) 0-2	12/15/90 1551			T. Malanoski	
P8067	T-598 (B5) 8-10	12/15/90 1558			12/18/90	
P8068	T-598 (B5) 18-20	12/15/90 1619				
P8069	T-598 (B6) 0-2	12/15/90 1640				
P8070	T-598 (B6) 8-10	12/15/90 1649				
P8071	T-598 (B6) 18-20	12/15/90 1651				
P8072	S-55 (B1) 0-2	12/16/90 844				
P8073	S-55 (B1) 8-10	" 855				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: T. Malanoski, IT 12/19/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258990
C/C Control No. 160686

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: IIAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
II, Port Allen

DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
PSC74	Soil	250 ml	ice	BETX (8021), TPH (9071), Pb (6010)(7421)	
PSC75	↓	↓	↓	↓	
PSC76					
PSC77					
PSC78					
PSC79					
PSC80					
PSC81					
PSC82					
PSC83	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/18/90 0815

WHITE - Original to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258.00

C/C Control No. 160686

PROJECT NAME/NUMBER Ft. McClellan 306209

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8074	S-55 18-20 (B1)	12/16/90 909	soil	8oz	Good Cond 4°C	
P8075	S-55 (B2) 0-2	12/16/90 923			Lab Performance	
P8076	S-55 (B2) 8-10	" 934			T. Malinsky	
P8077	S-55 (B2) 18-20	" 949			12/19/90	
P8078	S-55 (B3) 0-2	" 1010				
P8079	S-55 (B3) 8-10	" 1025				
P8080	S-55 (B3) 18-20	" 1044				
P8081	S-55 (B4) 0-2	" 1100				
P8082	S-55 (B4) 8-10	" 1121				
P8083	S-55 (B4) 18-20	" 1140				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson

   Received By: T. Malinsky IT 12/19/90 0815

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258991

C/C Control No. 160655

PROJECT NAME: Ft McClellan

PROJECT NUMBER: 306763

PROFIT CENTER NUMBER: 3526

PROJECT MANAGER: Dick Johnson

BILL TO: IT Corp
1150 Le Blanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90

LAB DESTINATION: ITAS

LABORATORY CONTACT: Tony Spinelli

SEND LAB REPORT TO: Dick Johnson
IT Corp
Port Allen

DATE REPORT REQUIRED: One-week turnaround

PROJECT CONTACT: Dick Johnson

PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
PS084	Soil	250 ml	ice	BETX (8021), TPH (9071), Pb (GF) (7421)	
PS085	↓	↓	↓	↓	
PS086					
PS087					
PS088					
PS089					
PS090					
PS091					
PS092					
PS093	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)

Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Return to Client _____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY

Received by [illegible] Date/Time 12/19/90 0815

WHITE - Original to accompany samples
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126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258991

C/C Control No. 160685

PROJECT NAME/NUMBER Ft. Mc Clellan 306203

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8084	S-55 (B5) 0-2	12/16/90 1255	30:1	Glass	Good Cond 4°C	
P8085	S-55 (B5) 8-10	12/16/90 1305			See Performance	
P8086	S-55 (B5) 18-20	12/16/90 1314			[illegible]	
P8087	S-55 (B6) 0-2	" 1337			12/19/90	
P8088	S-55 (B6) 8-10	" 1344				
P8089	S-55 (B6) 18-20	" 1350				
P8090	1693 (B4) 0-2	12/17/90 814				
P8091	1693 (B4) 8-10	" 820				
P8092	1693 (B4) 18-20	" 834				
P8093	1693 (B5) 0-2	" 901				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: [illegible] IT 12/19/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258992
C/C Control No. 160687

PROJECT NAME: Ft Mc Clellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 Le Blanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
Port Allen, LA
DATE REPORT REQUIRED: ON-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8094	30.1	250 ml	ice	BETX (8021), TPH (7011), Pb (GF) (7421)	
P8095	↓	↓	↓	↓	
P8096					
P8097					
P8098					
P8099					
P8100					
P8101					
P8102					
P8103	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [illegible] Date/Time 12/19/90 0815

WHITE - O[illegible], to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 250 112

C/C Control No. 160687

PROJECT NAME/NUMBER Ft Mc Clellan 306203

LAB DESTINATION TIAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8094	1693(B5) 8-10	12/10/90 901	Soil	Glass	Good Cond 4°C	
P8095	1693(B5) 18-20	" 926			See Transformation	
P8096	1693(B6) 0-2	" 944			T. Coleman	
P8097	1693 (B6) 8-10	" 950			12/18/90	
P8098	1693 (B6) 18-20	"				
P8099	T894 (B1) 0-2	" 1300				
P8100	T894 (B1) 8-10	" 1309				
P8101	T894 (B1) 18-20	" 1321				
P8102	T894 (B2) 0-2	" 1345				
P8103	T894 (B2) 8-10	" 1355				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson

   Received By: T. Coleman, IT 12/18/90 0815

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258993
C/C Control No. 166688

PROJECT NAME: St McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 [redacted] LeBlanc
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: IIAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen

DATE REPORT REQUIRED: One week Turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8104	Soil	250 ml	ice	PCB (8080), TPH (9071), PH (6F) (7421)	
P8105	↓	↓	↓	↓	
P8106					
P8107					
P8108					
P8109					
P8110					
	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal _____ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab _____ Archive _____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/19/90 0815

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B012148
B012149

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258936
C/C Control No. 160634

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corporation, 1150 LeBlanc Rd, Port Allen, LA 70767
PURCHASE ORDER NO.: Ajs 90439

DATE SAMPLES SHIPPED: 12/14/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson, IT Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 8033	Soil	250 ml	ice	BETX (8020), TPH (9071), lead (6010)	7421
P 8034	↓	↓	↓	↓	
P 8035					
P 8036					
P 8037					
P 8038					
P 8039					
P 8040					
P 8041					
P 8042	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/17/90 0900

WHITE - Original to accompany samples

126A-10-86

B012148
B012149

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258936

C/C Control No. 160634

PROJECT NAME/NUMBER Ft McClellan 306203

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P 8033	1694 (B3) 0-2	12/14/90 820	soil	glass	GOOD COND. TEMP 1°C	
P 8034	1694 (B3) 8-10	12/14/90 835				
P 8035	1694 (B3) 18-20	12/14/90 850				
P 8036	1694 (B4) 0-2	12/14/90 9:55				
P 8037	1694 (B4) 8-10	12/14/90 950				
P 8038	1694 (B4) 18-20	12/14/90 957				
P 8039	1694 (B5) 0-2	12/14/90 1020				
P 8040	1694 (B5) 8-10	12/14/90 1025				
P 8041	1694 (B5) 18-20	12/14/90 1036				
P 8042	1694 (B6) 0-2	12/14/90 1103				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori A. Ferguson 12/14/90 5pm
   Received By: Ann Schmoff 12/14/90 0900
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258935
C/C Control No. 160630

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767
PURCHASE ORDER NO.: Ajos 90439

DATE SAMPLES SHIPPED: 12/14/90
LAB DESTINATION: IT AS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 8043	Soil	250 ml	ice	BETX (8020), TPH (9071), Pb (GF) 7421	
P 8044					
P 8045					
P 8046					
P 8047					
P 8048					
P 8049					
P 8050					
P 8051					
P 8052					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3mo (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/17/90 0900

126A-10-85

WHITE - Original to accompany samples

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258935

C/C Control No. 160630

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P 8043	1694 (B6) 8-10	12/14/90 1104	Soil	Glass	Good Cond.	
P 8044	1694 (B6) 18-20	12/14/90 1114			Temp 1°C	
P 8045	1693 (B1) 0-2	12/14/90 1338				
P 8046	1693 (B1) 8-10	12/14/90 1340				
P 8047	1693 (B1) 18-20	12/14/90 1355				
P 8048	1693 (B2) 0-2	12/14/90 1420				
P 8049	1693 (B2) 8-10	12/14/90 1425				
P 8050	1693 (B2) 18-20	12/14/90 1430				
P 8051	1693 (B3) 0-2	12/14/90 1505				
P 8052	1693 (B3) 8-10	12/14/90 1359				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori A. Ferguson 12/14/90 5pm

   Received By: Chris Schupcoff 12/17/90 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To [illegible]ipany samples
YELLOW - Field copy

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258937
C/C Control No. 160631

PROJECT NAME: Ft McClellen
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767
PURCHASE ORDER NO.: AJS 90439

DATE SAMPLES SHIPPED: 12/14/90
LAB DESTINATION: IT AS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Port Allen
DATE REPORT REQUIRED: one week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 8053	Soil	250 ml	ice	BETX (8020), TPH (9071), Pb (7421)	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/17/90 0900

WHITE - Original to accompany samples

126A-10-85

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258937

C/C Control No. 160631

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P 8053	1693(B3) 18-20	12/14/90 1517	Soil	glass	Good Cond. Temp/°C	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/14/90 5pm
   Received By: [illegible] 12/17/90 0900
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To [illegible] any samples
YELLOW - Field Copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/17/91

Work Order: BO-12-154

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL INVESTIGATION 306703-000
Date Received: 12/17/90
Number of Samples: 14
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8015	BO-12-154-01
P8016	BO-12-154-02
P8017	BO-12-154-03
P8018	BO-12-154-04
P8019	BO-12-154-05
P8020	BO-12-154-06
P8021	BO-12-154-07
P8022	BO-12-154-08
P8023	BO-12-154-09
P8024	BO-12-154-10
P8025	BO-12-154-11

Reviewed and Approved:

Neal Salden for

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P8026	BO-12-154-12
P8027	BO-12-154-13
P8028	BO-12-154-14

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

SAMPLE ID	P8015	P8016	P8017	
SAMPLED	12/13/90	12/13/90	12/13/90	
TEST				UNITS
LEAD	41	11	12	mg/kg
-FURNACE	[4.2]	[1.1]	[1.0]	
OIL AND GREASE	490	1100	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-15

SAMPLE ID	P8018	P8019	P8020	
SAMPLED	12/13/90	12/13/90	12/13/90	
TEST				UNITS
LEAD -FURNACE	15 [1.0]	9.9 [1.0]	21 [2.2]	mg/kg
OIL AND GREASE SOIL 9071	ND [50]	670 [50]	130 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-154

SAMPLE ID	P8021	P8022	P8023	
SAMPLED	12/13/90	12/13/90	12/13/90	
TEST				UNITS
LEAD	0.82	19	14	mg/kg
-FURNACE	[0.5]	[2.1]	[1.1]	
OIL AND GREASE	71	580000	86	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-154

SAMPLE ID	P8024	P8025	P8026	
SAMPLED	12/13/90	12/13/90	12/13/90	
TEST				UNITS
LEAD -FURNACE	8.8 [1.1]	22 [2.1]	17 [1.1]	mg/kg
OIL AND GREASE SOIL 9071	ND [50]	ND [50]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

SAMPLE ID	P8027	P8028	
SAMPLED	12/13/90	12/13/90	
TEST			UNITS
LEAD	7.9	6.2	mg/kg
-FURNACE	[1.0]	[1.1]	
OIL AND GREASE	300	220	mg/kg
SOIL 9071	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-15

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8015
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8016
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-15

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8017
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	4.1	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8018
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8019
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	1.5	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8020
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8021
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8022
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-15

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8023
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	40.0	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8024
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-15

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8025
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	140	1
Ethylbenzene	ND	1
Toluene	1.2	1
Xylenes (total)	3.5	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8027
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-154

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8028
SAMPLE DATE: 12/13/90
ANALYSIS DATE: 12/20/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-154

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012154

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258930

C/C Control No. 160635

PROJECT NAME/NUMBER Ft McClellan 306203

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8015	1689 (B3) 0-2	12/13/90 0731	Soil	glass	Good Cond. Temp 1°C	
P8016	1689 (B3) 8-10	12/13/90 0741				
P8017	1689 (B3) 18-20	12/13/90 0801				
P8018	1689 (B4) 0-2	12/13/90 0825				
P8019	1689 (B4) 8-10	12/13/90 0834				
P8020	1689 (B4) 18-20	12/13/90 0905				
P8021	1689 (B5) 0-2	12/13/90 1035				
P8022	1689 (B5) 8-10	12/13/90 1043				
P8023	1689 (B5) 18-20	12/13/90 1105				
P8024	1689 (B6) 0-2	12/13/90 1244				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/13/90

   Received By: [illegible] 12/17/90 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To a[illegible]any samples
YELLOW - Fi[illegible]y

B012154
B012155

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258930
C/C Control No. 160635

PROJECT NAME: Ft. McClellan
PROJECT NUMBER: 306103
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corporation
1150 LeBlanc Rd
Port Allen, LA 70767
PURCHASE ORDER NO.: Ajs 90439

DATE SAMPLES SHIPPED: 12/13/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED: One week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 5015	soil	250 ml	ice	BETX (8020), TPH (9011), lead (GF) 7421	
P 5016	↓	↓	↓	↓	
P 5017					
P 5018					
P 5019					
P 5020					
P 5021					
P 5022					
P 5023					
P 5024					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by Chris Tolopoff Date/Time 12/17/90 0900

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012154 R/A Control No. 25932

C/C Control No. 160628

PROJECT NAME/NUMBER Ft McClellan 306703

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8025	1694 (B1) 8-10	12/13/90 1250	Soil	Glass	Good Cond.	
P8026	1694 (B1) 18-20	12/13/90 1316			TEMP 1°C	
P8027	1694 (B2) 0-2	12/13/90 1440				
P8028	1694 (B2) 8-10	12/13/90 1420				
P8029	1694 (B2) 18-20	12/13/90 1530				
P8030	1694 (B1) 0-2	12/13/90 1420				
P8031	1694 (B1) 8-10	12/13/90 1434				
P8032	1694 (B1) 18-20	12/13/90 1445				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/13/90

   Received By: [illegible] 12/14/90 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To [illegible]pany samples
YELLOW - F[illegible]y

B012154

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258932
C/C Control No. 160628

PROJECT NAME: Ft Mi Clellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70761
PURCHASE ORDER NO.: Ajs 90439

DATE SAMPLES SHIPPED: 12/13/90
LAB DESTINATION: IT ES
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8025	soil	250 ml	ice	BETX(8020), TPH(9011), lead(GF) 7421	
P8026	↓	↓	↓	↓	
P8027					
P8028					
P8029					
P8030					
P8031					
P8032					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 mo (Indicate number of months.)

FOR LAB USE ONLY
Received by Clim Johnson Date/Time 12/17/90 0900

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/17/91

Work Order: B0-12-148 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000
Date Received: 12/17/90
Number of Samples: 14
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8033	B0-12-148-01
P8034	B0-12-148-02
P8035	B0-12-148-03
P8036	B0-12-148-04
P8037	B0-12-148-05
P8038	B0-12-148-06
P8039	B0-12-148-07
P8040	B0-12-148-08
P8041	B0-12-148-09
P8042	B0-12-148-10
P8043	B0-12-148-11

Reviewed and Approved:

Neal Salber for

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P8044	BO-12-148-12
P8045	BO-12-148-13
P8046	BO-12-148-14

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

SAMPLE ID	P8033	P8034	P8035	
SAMPLED	12/14/90	12/14/90	12/14/90	
TEST				UNITS
LEAD -FURNACE	10 [1.0]	9.8 [1.0]	20 [2.2]	mg/kg
OIL AND GREASE SOIL 9071	180 [50]	620 [50]	840 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-148

SAMPLE ID	P8036	P8037	P8038	
SAMPLED	12/14/90	12/14/90	12/14/90	
TEST				UNITS
LEAD	12	12	46	mg/kg
-FURNACE	[1.0]	[1.1]	[4.4]	
OIL AND GREASE	1700	440	1100	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

SAMPLE ID	P8039	P8040	P8041	
SAMPLED	12/14/90	12/14/90	12/14/90	
TEST				UNITS
LEAD	24	20	14	mg/kg
-FURNACE	[2.2]	[2.1]	[1.0]	
OIL AND GREASE	610	300	1100	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-148

SAMPLE ID	P8042	P8043	P8044	
SAMPLED	12/14/90	12/14/90	12/14/90	
TEST				UNITS
LEAD	16	14	14	mg/kg
-FURNACE	[1.0]	[1.1]	[1.0]	
OIL AND GREASE	630	510	210	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-148

SAMPLE ID	P8045	P8046	
SAMPLED	12/14/90	12/14/90	
TEST			UNITS
LEAD	10	7.9	mg/kg
-FURNACE	[1.0]	[1.0]	
OIL AND GREASE	470	210	mg/kg
SOIL 9071	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8033
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8034
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8035
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8036
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8037
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8038
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8039
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8040
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8041
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8042
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8043
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: B0-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8044
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8045
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8046
SAMPLE DATE: 12/14/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/17/91
Client Work ID: FT MCCLELLEN SOIL INVEST. 306703-000 Work Order: BO-12-148

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012148
B012149

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258936
C/C Control No. 160634

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corporation, 1150 LeBlanc Rd, Port Allen, LA 70767
PURCHASE ORDER NO.: Pjs 90439

DATE SAMPLES SHIPPED: 12/14/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson, IT Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 8033	Soil	250 ml	ice	BETX (8020), TPH (9071), lead (6010)	
P 8034					
P 8035					
P 8036					
P 8037					
P 8038					
P 8039					
P 8040					
P 8041					
P 8042					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/17/90 0900

WHITE - Original to accompany samples
YELLOW - Field copy

126A-10-85

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 25 5936

C/C Control No. 160634

PROJECT NAME/NUMBER Ft McClellan 306103

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P 8033	1694 (B3) 0-2	12/14/90 820	Soil	glass	Good Cond.	
P 8034	1694 (B3) 8-10	12/14/90 835			Temp 1°C	
P 8035	1694 (B3) 18-20	12/14/90 850				
P 8036	1694 (B4) 0-2	12/14/90 9:35				
P 8037	1694 (B4) 8-10	12/14/90 950				
P 8038	1694 (B4) 18-20	12/14/90 957				
P 8039	1694 (B5) 0-2	12/14/90 1020				
P 8040	1694 (B5) 8-10	12/14/90 1025				
P 8041	1694 (B5) 18-20	12/14/90 1036				
P 8042	1694 (B6) 0-2	12/14/90 1103				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori A. Ferguson 12/14/90 5pm
   Received By: Chris Schmeff 12/14/90 0900
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258935
C/C Control No. 160630

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767
PURCHASE ORDER NO.: Ajos 90439

DATE SAMPLES SHIPPED: 12/14/90
LAB DESTINATION: IT As
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 8043	Soil	250 ml	ice	BETX (8020), TPH (9071), Pb (6F) 7421	
P 8044					
P 8045					
P 8046					
P 8047					
P 8048					
P 8049					
P 8050					
P 8051					
P 8052					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3mo (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/17/90 0900

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 253-125

C/C Control No. 160630

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P 8043	1694 (B6) 8-10	12/14/90 1104	Soil	Glass	Good Cond.	
P 8044	1694 (B6) 18-20	12/14/90 1114			Temp 1°C	
P 8045	1693 (B1) 0-2	12/14/90 1338				
P 8046	1693 (B1) 8-10	12/14/90 1340				
P 8047	1693 (B1) 18-20	12/14/90 1355				
P 8048	1693 (B2) 0-2	12/14/90 1420				
P 8049	1693 (B2) 8-10	12/14/90 1425				
P 8050	1693 (B2) 18-20	12/14/90 1430				
P 8051	1693 (B3) 0-2	12/14/90 1505				
P 8052	1693 (B3) 8-10	12/14/90 1359				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori A. Ferguson 12/14/90 5pm
   Received By: Chris Schupoff 12/17/90 0900
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258937
C/C Control No. 160631

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767
PURCHASE ORDER NO.: PJS 90439

DATE SAMPLES SHIPPED: 12/14/90
LAB DESTINATION: IT AS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 5053	Soil	250 ml	ice	BETX (8020), TPH (9071), Pb (7421)	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/17/90 0900

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B012148

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 25-137

C/C Control No. 160631

PROJECT NAME/NUMBER Ft McClellan

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P 8053	1693(B3) 18-20	12/14/90 1517	Soil	glass	Good Cond. Temp/°C	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/14/90 5pm

   Received By: [illegible] 12/17/90 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/14/91

Work Order: BO-12-188 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL INVESTIGATION 306703-000
Date Received: 12/19/90
Number of Samples: 15
Sample Type: SOIL

I. Introduction
SEE FOOTNOTES ON PAGE 23 OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8096	BO-12-188-43
P8097	BO-12-188-44
P8098	BO-12-188-45
P8099	BO-12-188-46
P8100	BO-12-188-47
P8101	BO-12-188-48
P8102	BO-12-188-49
P8103	BO-12-188-50
P8104	BO-12-188-51
P8105	BO-12-188-52

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P8106	BO-12-188-53
P8107	BO-12-188-54
P8108	BO-12-188-55
P8109	BO-12-188-56
P8110	BO-12-188-57

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

SAMPLE ID	P8096	P8097	P8098	
SAMPLED	12/17/90	12/17/90	12/17/90	
TEST				UNITS
LEAD	12	20	21	mg/kg
-FURNACE	[0.9]	[2.0]	[1.9]	
OIL AND GREASE	ND	370	420	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

SAMPLE ID	P8099	P8100	P8101	
SAMPLED	12/17/90	12/17/90	12/17/90	
TEST				UNITS
LEAD -FURNACE	24 [1.9]	13 [1.0]	18 [1.7]	mg/kg
OIL AND GREASE SOIL 9071	4000 [50]	740 [50]	6100 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

SAMPLE ID	P8102	P8103	P8104	
SAMPLED	12/17/90	12/17/90	12/17/90	
TEST				UNITS
LEAD	47	18	17	mg/kg
-FURNACE	[5.3]	[1.7]	[1.7]	
OIL AND GREASE	560	190	58	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

SAMPLE ID	P8105	P8106	P8107	
SAMPLED	12/17/90	12/17/90	12/17/90	
TEST				UNITS
LEAD	22	15	18	mg/kg
-FURNACE	[1.7]	[1.0]	[1.7]	
OIL AND GREASE	210	ND	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

SAMPLE ID	P8108	P8109	P8110	
SAMPLED	12/17/90	12/17/90	12/17/90	
TEST				UNITS
LEAD	38	25	17	mg/kg
-FURNACE	[5]	[1.8]	[1.7]	
OIL AND GREASE	ND	120	660	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8096
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8097
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8098
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8099
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8100
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8101
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8102
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8103
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8104
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8105
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8106
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8107
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8108
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8109
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8110
SAMPLE DATE: 12/17/90
ANALYSIS DATE: 12/22/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-188

FORT McCLELLEN

Higher detection limits due to matrix effect. Unable to achieve QC requirements at a 1x dilution on sample ID's P8101, P8104, P8105, P8107 & P8110.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-188

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

L012186
87
88

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258988
C/C Control No. 160653

PROJECT NAME: Ft. McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT CORP
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT CORP
Port Allen, LA
DATE REPORT REQUIRED: one week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8054	Soil	250 ml	ice	BETX(8021), TPH(9071), Pb(GF)(7421)	
P8055	↓	↓	↓	↓	
P8056					
P8057					
P8058					
P8059					
P8060					
P8061					
P8062					
P8063					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ____ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by J. Kolinsky Date/Time 12/19/90 0815

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258 108

C/C Control No. 160683

PROJECT NAME/NUMBER Ft. McClellan 306703

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS L. Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8054	T598 (B1) 0-2	12/15/90 8:14	Soil	glass	Good Cond 4°C	
P8055	T598 (B1) 8-10	12/15/90 8:20			[illegible]	
P8056	T598 (B1) 18-20	12/15/90			[illegible]	
P8057	T598 (B2) 0-2	12/15/90 9:15			12/19/90	
P8058	T598 (B2) 8-10	12/15/90 9:40				
P8059	T598 (B2) 18-20	12/15/90 1000				
P8060	T598 (B3) 0-2	12/15/90 1110				
P8061	T598 (B3) 8-10	12/15/90 1120				
P8062	T598 (B3) 18-20	12/15/90 1140				
P8063	T598 (B4) 0-2	12/15/90 1330				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: [illegible] IT 12/19/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258989
C/C Control No. 160684

PROJECT NAME: Ft McClellan 306203
PROJECT NUMBER: 306203
PROFIT CENTER NUMBER: 35226
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp, Port Allen, LA

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/15/90
LAB DESTINATION: IT AS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson, IT, Port Allen

DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8064	soil	250 ml	ice	BTEX(8021), TPH(9071), Pb(6F)(7421)	
P8065	↓	↓	↓	↓	
P8066					
P8067					
P8068					
P8069					
P8070					
P8071					
P8072					
P8073	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by T. Kelinsky Date/Time 12/19/90 0815

WHITE - Original, to accompany samples

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258959

C/C Control No. 160684

PROJECT NAME/NUMBER Ft McClellan 306703

LAB DESTINATION IIAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8064	T-598 (B4) 8-10	12/15/90 1346	Soil	Glass	Good Cond. 4°C	
P8065	T-598 (B4) 18-20	12/15/90 1400			See Performance	
P8066	T 598 (B5) 0-2	12/15/90 1551			T. Malinsky	
P8067	T-598 (B5) 8-10	12/15/90 1558			12/19/90	
P8068	T-598 (B5) 18-20	12/15/90 1619				
P8069	T-598 (B6) 0-2	12/15/90 1640				
P8070	T-598 (B6) 8-10	12/15/90 1649				
P8071	T-598 (B6) 18-20	12/15/90 1651				
P8072	S-55 (B1) 0-2	12/16/90 844				
P8073	S-55 (B1) 8-10	" 855				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson

   Received By: T. Malinsky, IT 12/19/90 0815

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

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INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258990
C/C Control No. 160686

PROJECT NAME: Ft Mc Clellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: IT AS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen

DATE REPORT REQUIRED: One-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8074	Soil	250 ml	ice	BETX (8021), TPH (9071), Pb (6010)(7421)	
P8075	↓	↓	↓	↓	
P8076					
P8077					
P8078					
P8079					
P8080					
P8081					
P8082					
P8083	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/19/90 0815

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258740

C/C Control No. 160686

PROJECT NAME/NUMBER Ft Dix Chellas 306203

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8074	S-55 18 20 (B1)	12/16/90 909	soil	glass	Good Cond 4°C	
P8075	S-55 (B2) 0-2	12/16/90 923			[illegible]	
P8076	S-55 (B2) 8-10	" 939			T. Malinsky	
P8077	S-55 (B2) 18-20	" 949			12/19/90	
P8078	S-55 (B3) 0-2	" 1010				
P8079	S-55 (B3) 8-10	" 1025				
P8080	S-55 (B3) 18-20	" 1044				
P8081	S-55 (B4) 0-2	" 1100				
P8082	S-55 (B4) 8-10	" 1121				
P8083	S-55 (B4) 18-20	" 1140				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: T. Malinsky IT 12/19/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258991
C/C Control No. 160655

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 Le Blanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
Port Allen
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8084	Soil	250 ml	ice	BCDX (8021), TPH (9071), Pb(GF) (7421)	
P8085					
P8086					
P8087					
P8088					
P8089					
P8090					
P8091					
P8092					
P8093					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by T. Kalinsky Date/Time 12/19/90 0815

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258491

C/C Control No. 160685

PROJECT NAME/NUMBER Ft. Mc Clellan 306203

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8084	S-55 (B5) 0-2	12/16/90 1255	Soil	Glass	Good Cond 4°C	
P8085	S-55 (B5) 8-10	12/16/90 1305			[illegible]	
P8086	S-55 (B5) 18-20	12/16/90 1314			[illegible]	
P8087	S-56 (B6) 0-2	" 1337			12/18/90	
P8088	S-55 (B6) 8-10	" 1344				
P8089	S-55 (B6) 18-20	" 1350				
P8090	1693 (B4) 0-2	12/17/90 814				
P8091	1693 (B4) 8-10	" 820				
P8092	1693 (B4) 18-20	" 834				
P8093	1693 (B5) 0-2	" 901				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: [illegible] IT 12/18/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258992
C/C Control No. 166687

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 Le Blanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp
Port Allen, LA
DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8094	soil	250 ml	ice	BTEX (8021), TPH (9071), Pb (6E)(7421)	
P8095	↓	↓	↓	↓	
P8096					
P8097					
P8098					
P8099					
P8100					
P8101					
P8102					
P8103	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/19/90 0815

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258992

C/C Control No. 160687

PROJECT NAME/NUMBER Ft Dix Cleller 306203

LAB DESTINATION TTAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8094	1693(B5) 8-10	12/10/90 901	Soil	Glass	Good Cond 4°C	
P8095	1693(B5) 18-20	" 926			[illegible]	
P8096	1693(B6) 0-2	" 944			[illegible]	
P8097	1693 (B6) 8-10	" 950			12/19/90	
P8098	1693 (B6) 18-20	"				
P8099	T894 (B1) 0-2	" 1300				
P8100	T894 (B1) 8-10	" 1309				
P8101	T894 (B1) 18-20	" 1321				
P8102	T894 (B2) 0-2	" 1345				
P8103	T894 (B2) 8-10	" 1355				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: [illegible] IT 12/19/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258993
C/C Control No. 166688

PROJECT NAME: St McCleskey
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 [redacted] LeBlanc
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT, Port Allen

DATE REPORT REQUIRED: one-week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8104	soil	250 ml	ice	PCBs (8080), TPH (9071), Pb (GF) (7421)	
P8105	↓	↓	↓	↓	
P8106					
P8107					
P8108					
P8109					
P8110					
	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal _____ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab _____ Archive _____ (Indicate number of months.)

FOR LAB USE ONLY
Received by [illegible] Date/Time 12/19/90 0815

WHITE - [illegible]l, to accompany samples
YELLOW [illegible] copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258993

C/C Control No. 160688

PROJECT NAME/NUMBER Ft Dix Cellar

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
PS104	T894 (18-20) (B3)	12/10/90 1404	Soil	Glass	Good Cond 4°C	
PS105	T894 (B3) 0-2	" 1514			See Nonconformance	
PS106	T894 (B3) 8-10	" 1518			[illegible]	
PS107	T894 (B3) 18-20	" 1528			12/19/90	
PS108	T894 (B4) 0-2	" 1550				
PS109	T894 (B4) 8-10	" 1616				
PS110	T894 (B4) 18-20	" 1609				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson

   Received By: [illegible] IT 12/19/90 0815

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/10/91

Work Order: BO-12-186 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL INVESTIGATION 306703-000
Date Received: 12/19/90
Number of Samples: 21
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE ON PAGE 31.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8054	BO-12-186-01
P8055	BO-12-186-02
P8056	BO-12-186-03
P8057	BO-12-186-04
P8058	BO-12-186-05
P8059	BO-12-186-06
P8060	BO-12-186-07
P8061	BO-12-186-08
P8062	BO-12-186-09
P8063	BO-12-186-10

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P8064	BO-12-186-11
P8065	BO-12-186-12
P8066	BO-12-186-13
P8067	BO-12-186-14
P8068	BO-12-186-15
P8069	BO-12-186-16
P8070	BO-12-186-17
P8071	BO-12-186-18
P8072	BO-12-186-19
P8073	BO-12-186-20
P8074	BO-12-186-21

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

SAMPLE ID	P8054	P8055	P8056	
SAMPLED	12/15/90	12/15/90	12/15/90	
TEST				UNITS
LEAD	6.6	19	17	mg/kg
-FURNACE	[0.5]	[2.5]	[2.3]	
OIL AND GREASE	790	ND	68	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

SAMPLE ID	P8057	P8058	P8059	
SAMPLED	12/15/90	12/15/90	12/15/90	
TEST				UNITS
LEAD	15	17	15	mg/kg
-FURNACE	[1.0]	[1.1]	[1.0]	
OIL AND GREASE	640	ND	ND	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

SAMPLE ID	P8060	P8061	P8062	
SAMPLED	12/15/90	12/15/90	12/15/90	
TEST				UNITS
LEAD -FURNACE	6.7 [1.0]	10 [1.1]	12 [1.0]	mg/kg
OIL AND GREASE SOIL 9071	140 [50.0]	ND [50.0]	ND [50.0]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

SAMPLE ID	P8063	P8064	P8065	
SAMPLED	12/15/90	12/15/90	12/15/90	
TEST				UNITS
LEAD	11	22	16	mg/kg
-FURNACE	[0.9]	[2.0]	[4.5]	
OIL AND GREASE	ND	ND	ND	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

SAMPLE ID	P8066	P8067	P8068	
SAMPLED	12/15/90	12/15/90	12/15/90	
TEST				UNITS
LEAD	20	7.0	12	mg/kg
-FURNACE	[1.7]	[0.9]	[1.0]	
OIL AND GREASE	100	330	340	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

SAMPLE ID	P8069	P8070	P8071	
SAMPLED	12/15/90	12/15/90	12/15/90	
TEST				UNITS
LEAD	5.1	16	13	mg/kg
-FURNACE	[0.8]	[1.0]	[0.9]	
OIL AND GREASE	ND	ND	130	mg/kg
SOIL 9071	[50.0]	[50.0]	[50.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

SAMPLE ID	P8072	P8073	P8074	
SAMPLED	12/16/90	12/16/90	12/16/90	
TEST				UNITS
LEAD -FURNACE	9.5 [1.0]	15 [1.0]	9.0 [1.0]	mg/kg
OIL AND GREASE SOIL 9071	490 [50.0]	ND [50.0]	390 [50.0]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8054
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8055
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8056
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND*	50
Ethylbenzene	ND*	50
Toluene	ND*	50
Xylenes (total)	ND*	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8057
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8058
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	2.2	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8059
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND*	50
Ethylbenzene	ND*	50
Toluene	ND*	50
Xylenes (total)	ND*	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8060
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8061
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8062
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND*	50
Ethylbenzene	ND*	50
Toluene	ND*	50
Xylenes (total)	ND*	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8063
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	7.1	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8064
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8065
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND*	50
Ethylbenzene	ND*	50
Toluene	ND*	50
Xylenes (total)	ND*	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8066
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	1.6	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8067
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	1.0	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8068
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8069
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8070
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND*	50
Ethylbenzene	ND*	50
Toluene	ND*	50
Xylenes (total)	ND*	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8071
SAMPLE DATE: 12/15/90
ANALYSIS DATE: 12/27/90

	Results in ug/kg:	Detection Limit
Benzene	ND*	50
Ethylbenzene	ND*	50
Toluene	ND*	50
Xylenes (total)	ND*	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8072
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8073
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8074
SAMPLE DATE: 12/16/90
ANALYSIS DATE: 12/21/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-186

FORT McCLELLEN

* Higher detection limits reported due to matrix (unable to achieve QA/QC requirement at 1x dilution) on Sample ID P8056, P8059, P8062, P8065, P8070 & P8071.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/10/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-186

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012186
87
88

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 258988
C/C Control No. 160683

PROJECT NAME: Ft. McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT CORP
Port Allen, LA 70167

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT CORP
Port Allen, LA
DATE REPORT REQUIRED: one week turnaround
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8054	Soil	250 ml	ice	BETX(8021), TPH(9071), Pb(GF)(7421)	
P8055	↓	↓	↓	↓	
P8056					
P8057					
P8058					
P8059					
P8060					
P8061					
P8062					
P8063	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 5 (Indicate number of months.)

FOR LAB USE ONLY
Received by T. Kolinczak Date/Time 12/19/90 0815

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

II. Analytical Results/Methodology (cont.)

* Benzene, Toluene, Ethyl Benzene and Xylene by Gas Chromatography with Photo-ionization Detection; EPA Method 8020

* Oil and Grease by Infrared Spectrometry; EPA Method 9071

* Total Lead by Graphite Furnace Atomic Absorption; EPA Method 7421

* TCLP Lead by Inductively Coupled Plasma Spectroscopy; EPA Method 6010. TCLP leaching performed at ITAS Cincinnati by EPA Method 1311

III. Quality Control

Immediately following the analytical data for the samples can be found the QA/QC information that pertains to these samples. The purpose of this information is to demonstrate that the data enclosed is scientifically valid and defensible. This QA/QC data is used to assess the laboratory's performance during the analysis of the samples it accompanies. All quantitations were performed from within the calibrated range of the analytical instrument.

Client: Ft. McClellan
Work Order: X1-04-143
10414302

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results

Client Sample ID	Lab No.	Units	Lead
(TCLP)			
Soil # C-4480	01	mg/L	ND
Soil # C-4481	02	mg/L	ND
Soil # C-4482	03	mg/L	ND
Soil # C-4483	04	mg/L	ND
Soil # C-4484	05	mg/L	ND
Soil # C-4485	06	mg/L	ND
Soil # C-4486	07	mg/L	ND
Soil # C-4487	08	mg/L	ND
Detection Limit			0.2

Client Sample ID	Lab No.	Units	Lead
(TOTAL)			
Soil # C-4480	01	ug/g	2.2
Soil # C-4481	02	ug/g	54
Soil # C-4482	03	ug/g	15
Soil # C-4483	04	ug/g	15
Soil # C-4484	05	ug/g	18
Soil # C-4485	06	ug/g	26
Soil # C-4486	07	ug/g	19
Soil # C-4487	08	ug/g	20
Detection limit			0.4

ND = Not detected above the reported detection limit

Client: Ft. McClellan
Work Order: X1-04-143
10414305

IT ANALYTICAL SERVICES
CINCINNATI, OH

Quality Assurance Data

Quality Control
Standard Reference Solutions

Analyte	Theoretical Value	Percent Recovery
(TCLP) Lead	2	98.5, 98.1
(TOTAL) Lead	0.075	96.9

Client: Ft. McClellan
Work Order: X1-04-143
10414304

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, ug/Kg

Client Sample ID	Lab No.	Benzene	Toluene	Ethyl Benzene	Total Xylenes
Soil # C-4480	01	ND	ND	ND	ND
Soil # C-4481	02	ND	ND	ND	ND
Soil # C-4482	03	ND	7.8	110 (1)	82
Soil # C-4483	04	ND	ND	ND	ND
Soil # C-4484	05	ND	ND	ND	ND
Soil # C-4485	06	ND	ND	ND	ND
Soil # C-4486	07	ND	ND	ND	ND
Soil # C-4487	08	ND	ND	ND	ND
Method Blank	BLK001	ND	ND	ND	ND
Detection limit		5	5	5	5

ND = Not detected above the reported detection limit

(1) For this sample the detection limit = 25

Quality Assurance Data

BTEX Surrogate Recoveries
Trifluorotoluene

Client Sample ID	Lab No.	Percent Recovery
Soil # C-4480	01	85
Soil # C-4481	02	79
Soil # C-4482	03	87
Soil # C-4483	04	84
Soil # C-4484	05	99
Soil # C-4485	06	91
Soil # C-4486	07	98
Soil # C-4487	08	86
Method Blank	BLK001	94

Client: Ft. McClellan
Work Order: X1-04-143
10414306

IT ANALYTICAL SERVICES
CINCINNATI, OH

Analytical Results, ppm

Client Sample ID	Lab No.	Oil & Grease
Soil # C-4480	01	1900
Soil # C-4480	01 DUP	1000
Soil # C-4481	02	530
Soil # C-4482	03	360
Soil # C-4483	04	300
Soil # C-4484	05	420
Soil # C-4485	06	140
Soil # C-4486	07	140
Soil # C-4487	08	ND
Method Blank	BLK231	ND

Detection limit

ND = Not detected above the reported detection limit

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 296963

C/C Control No. 11551

PROJECT NAME/NUMBER Ft. McClellan / 306703

LAB DESTINATION I.T Cincinnati

SAMPLE TEAM MEMBERS Willie McCray Sr.

CARRIER/WAYBILL NO. 2827748280

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4480	Top half of tank # T326 (Random)	4-18-91 1400	Soil	125 ML	Samples Received in Good Condition. No Custody Seals on Cooler or Samples.	
" "	" "	"				
C 4481	South side of tank T326 (random)	1410				
" "	" "	"				
C-4482	north side of tank T326 (Random)	1420				
" "	" "	"				
					LaNita Ridge 4/22/91	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Sr. I.T corp. 4-18-91

   Received By: LaNita Ridge / IT CINTI / 4/22/91 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To a[illegible] any samples
YELLOW - F[illegible]

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 28 .59

C/C Control No. 203550

PROJECT NAME/NUMBER Ft. McClellan / 306703

LAB DESTINATION I.T Cincinnati

SAMPLE TEAM MEMBERS W. M. McGray Jr.

CARRIER/WAYBILL NO. 2827748280

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4483	north wall of tank T326	4-17-91 1500	Soil	125 ML	Samples Received	
" "	" "	"			in Good Condition.	
C4484	East wall of tank T326	1515			No Custody	
" "	" "	"			Seals on Container	
C4485	west wall of tank T326	1535			or Samples.	
" "	" "	"				
C4486	Bottom hole of tank T326	1550			LaNita Ridge	
" "	" "	"				
C4487	South side wall of tank T326	1600			4/22/91	
" "		"				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: William McGray Jr. I.T corp 4-18-91

   Received By: LaNita Ridge IT-Corp 4/22/91 0910

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 258493

C/C Control No. 160688

PROJECT NAME/NUMBER Ft. Dix Cellar

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
PS104	T894 (18-20) (B2)	12/10/90 1404	Soil	Glass	Cool Cond 4°C	
PS105	T894 (B3) 0-2	" 1514			See Nonconformance	
PS106	T894 (B3) 8-10	" 1518			[illegible]	
PS107	T894 (B3) 18-20	" 1528			12/19/90	
PS108	T894 (B4) 0-2	" 1550				
PS109	T894 (B4) 8-10	" 1616				
PS110	T894 (B4) 18-20	" 1605				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson
   Received By: [illegible] IT 12/19/90 0815
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 04/23/91

Work Order: B1-03-185 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: TANK HOLE #894 306703-000
Date Received: 03/18/91
Number of Samples: 10
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE AT REAR OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION		LABORATORY #
C4406		B1-03-185-01
C4407		B1-03-185-02
C4408		B1-03-185-03
C4409		B1-03-185-04
C4410		B1-03-185-05
C4411		B1-03-185-06
C4412		B1-03-185-07
C4413		B1-03-185-08
C4413	MATRIX SPIKE	B1-03-185-09
LAB BLANK		B1-03-185-10

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-18

SAMPLE ID	C4406	C4407	C4408	
SAMPLED	03/15/91	03/15/91	03/15/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	0.022 [0.0050]	0.031 [0.0050]	0.048 [0.0050]	mg/L
LEAD -FURNACE	65 [4.7] mg/Kg	94 [12] mg/kg	1.0 [0.61] mg/kg	
TCLP EXTRACTION	03/28/91	03/28/91	03/28/91	date
OIL AND GREASE SOIL 9071	3300 [58]	900 [60]	1400 [61]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

SAMPLE ID	C4409	C4410	C4411	
SAMPLED	03/15/91	03/15/91	03/15/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.0050]	0.054 [0.0050]	0.043 [0.0050]	mg/L
LEAD -FURNACE	18 [2.4]	20 [2.4]	34 [2.4]	mg/kg
TCLP EXTRACTION	03/28/91	03/28/91	03/28/91	date
OIL AND GREASE SOIL 9071	96 [61]	ND [61]	140 [61]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

SAMPLE ID	C4412	C4413	C4413 MATRIX SPIKE	
SAMPLED	03/15/91	03/15/91	03/15/91	
TEST				UNITS
LEAD-TCLP	0.028	0.014	92	mg/L
EXTRACTION	[0.0050]	[0.0050]		
			% Rec.	
LEAD	63	34		mg/kg
-FURNACE	[5.0]	[2.5]		
TCLP	03/28/91	03/28/91	03/28/91	date
EXTRACTION				
OIL AND GREASE	ND	270		mg/kg
SOIL 9071	[61]	[62]		

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

SAMPLE ID	LAB BLANK	
SAMPLED	03/15/91	
TEST		UNITS
LEAD-TCLP EXTRACTION	ND [0.0050]	mg/L
LEAD -FURNACE	ND [0.005]	mg/L
OIL AND GREASE SOIL 9071	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-18!

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4406
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/24/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

306703-000

Work Order: B1-03-185

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4407
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/24/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4408
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/24/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4409
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/24/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4410
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/24/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4411
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/24/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	4.5	1
Toluene	ND	1
Xylenes (total)	4.6	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4412
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/24/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4413
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/23/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	4.4	1
Toluene	3.8	1
Xylenes (total)	29	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-18

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: LAB BLANK
SAMPLE DATE: 03/15/91
ANALYSIS DATE: 03/25/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

FORT McCLELLEN

The bromofluorobenzene surrogate recovery for BTEX on sample B103185-08 (C4413) was outside the QC acceptance range. This has been attributed to matrix interference.

The TCLP LEAD analysis was performed by GF_AA while the ICP instrument was down.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-18

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **ICPES Digestion - Water** TEST CODE **3005**

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK HOLE #894 306703-000 Work Order: B1-03-185

TEST NAME **LEAD-TCLP EXTRACTION** TEST CODE **PBTCLP**

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

TEST NAME **TCLP EXTRACTION** TEST CODE **TCLP_I**

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

B103185

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240933

C/C Control No. 182831

PROJECT NAME/NUMBER Ft McClellan/306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray SR

CARRIER/WAYBILL NO. 0420907071 Fed Ex

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4406	West wall of Tank hole #894 (Random	3-15-91 0950	Soil	125 ML	Good Cond.	
" "	" "				Temp 4°C	
C4407	East south wall Tank hole #894 (Random)	10:35			non-con	
" "	" "				CJS 3/18/91	
C4408	north wall of Tank hole #894 (Random)	10:50				
" "						

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Sr. I.T Corp.

   Received By: [signature] 3/18/91 0840

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To[illegible] any samples
YELLOW - Fi[illegible]py

B103185

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 240618
C/C Control No. 182830

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T Corp. 1150 Le Blanc Rd. Port Allen La, 70767
PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 3-15-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson 1150 Le Blanc Rd. Port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4409	soil	125 ml	none	TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4410				TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4411				TPH by 9071, Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4412				TPH by 9071 Btex 5030+8020	
" "				Lead 7421, TCLP 1311	
C4413				TPH by 9071 Btex 5030+8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/18/91 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B103185

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240618

C/C Control No. 182830

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray Sr.

CARRIER/WAYBILL NO. 0420907071 Fed Ex

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4409	West wall of tank #894	3-15-91 1630	Soil	125 ML.	Good Cond.	
" "	" "	" "			Temp 4°C	
C4410	East wall of tank hole #894	1640			non-con	
" "	" "	" "			CJS 3/18/91	
C4411	North wall of tank hole #894	1650				
" "	" "	" "				
C4412	Center hole of tank hole #894	1655				
" "	" "	" "				
C4413	South wall of tank hole #894	1700				
" "	" "	" "				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Sr. 3-15-91 I.T Corp.

   Received By: [illegible] 3/18/91 0840

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To[illegible]pany samples
YELLOW - F[illegible]py

B 103185

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 240619
C/C Control No. 182832

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp
1150 Le Blanc Rd.
port allen La, 70767
PURCHASE ORDER NO. AJS 90439

DATE SAMPLES SHIPPED: 3-15-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson
1150 Le Blanc Rd
port allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO. 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4363	soil	125 ml	none	TPH by 9071, BTEX 5030+8020	
" "	" "	" "	" "	Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/18/91 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B103185

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240619

C/C Control No. 182832

PROJECT NAME/NUMBER Ft McClellan/306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray SR.

CARRIER/WAYBILL NO. 0420907071 FED EX

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C4363	West wall of pit #265	3-1-91 1300	Soil	125 ML	NOT RECD	
" "	" "	" " " "			NOT CON	
					CJS 3/18/91	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Sr., I.T corp.

   Received By: Chris Schupcoff 3/18/91 0840

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To[illegible]pany samples
YELLOW - F[illegible]opy

0103185

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 24U933
C/C Control No. 182831

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T Corp. 1150 LeBlanc Rd Port Allen La, 70767
PURCHASE ORDER NO.: AJS90439

DATE SAMPLES SHIPPED: 3-15-91
LAB DESTINATION: I.T Austin
LABORATORY CONTACT: Tony Spinell
SEND LAB REPORT TO: Dick Johnson 1150 Le Blanc Rd. Port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C4406	Soil	125 ML	None	TPH by 9071 BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	
C4407				TPH by 9071 BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	
C4408				[redacted] TPH by 9071 BTEX 5030+8020	
" "				Lead 7421, TCLP 1311	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/18/91 0840

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 04/23/91

Work Order: B1-03-241 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: PUMP ISLAND #894 (C4429) 306703-000
Date Received: 03/25/91
Number of Samples: 2
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION		LABORATORY #
C4429		B1-03-241-01
C4429	MATRIX SPIKE	B1-03-241-02

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: PUMP ISLAND #894 (C4429) 306703-000 Work Order: B1-03-241

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: PUMP ISLAND #894 (C4429) 306703-000

Work Order: B1-03-241

SAMPLE ID	C4429	C4429 MATRIX SPIKE	
SAMPLED	03/21/91	03/21/91	
TEST			UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	88 % REC.	mg/L
LEAD -FURNACE	13 [2.0]		mg/kg
TCLP EXTRACTION	04/10/91	04/10/91	date
OIL AND GREASE SOIL 9071	ND [61]		mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: PUMP ISLAND #894 (C4429) 306703-000 Work Order: B1-03-241

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4429
SAMPLE DATE: 03/21/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: PUMP ISLAND #894 (C4429) 306703-000 Work Order: B1-03-241

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **ICPES Digestion - Water** TEST CODE **3005**

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: PUMP ISLAND #894 (C4429) 306703-000 Work Order: B1-03-241

TEST NAME **LEAD-TCLP EXTRACTION** TEST CODE **PBTCLP**

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

TEST NAME **TCLP EXTRACTION** TEST CODE **TCLP_I**

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

INTERNATIONAL TECHNOLOGY CORPORATION

B103241

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240700

C/C Control No. 193020

PROJECT NAME/NUMBER Ft McClellan / 30670

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W McCray SR.

CARRIER/WAYBILL NO. 0420907126 FED EX

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4429	Pit hole under Pump Iland #894	3-21-91 1300	Soil	125 ML	Good Cond.	
" "	" "	" "			Temp 4°C	
					GS 3/23/91	
					non-con	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Sr. I.T corp. 3-22-91

   Received By: [signature] 3/23/91 0924

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To [illegible] pany samples
YELLOW - F[illegible] y

INTERNATIONAL TECHNOLOGY CORPORATION

B103241

REQUEST FOR ANALYSIS

R/A Control No. 240700

C/C Control No. 193020

PROJECT NAME: Ft. McClellan

PROJECT NUMBER: 306703

PROFIT CENTER NUMBER: 3826

PROJECT MANAGER: Dick Johnson

BILL TO: I.T Corp, 1150 LeBlanc Rd. Port Allen La, 70767

PURCHASE ORDER NO.: A,590439

DATE SAMPLES SHIPPED: 3-22-91

LAB DESTINATION: I.T Austin

LABORATORY CONTACT: Tony Spinelli

SEND LAB REPORT TO: Dick Johnson, 1150 LeBlanc Rd. Port Allen La, 70767

DATE REPORT REQUIRED: 21 days

PROJECT CONTACT: Dick Johnson

PROJECT CONTACT PHONE NO.: 504)344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C-4429	Soil	125 ML	none	TPH by 9071 BTEX,	
" "	" "	" "	" "	Total Lead, TCLP Lead	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)

Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)

I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)

Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)

Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY

Received by: Ann Johnson Date/Time: 3/23/91 0924

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/15/91

Work Order: B0-12-200 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL INVESTIGATION 306703-000
Date Received: 12/20/90
Number of Samples: 15
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE ON PAGE 23 OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8111	B0-12-200-01
P8112	B0-12-200-02
P8113	B0-12-200-03
P8114	B0-12-200-04
P8115	B0-12-200-05
P8116	B0-12-200-06
P8117	B0-12-200-07
P8118	B0-12-200-08
P8119	B0-12-200-09
P8120	B0-12-200-10

Reviewed and Approved:
Neal Salter for
Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P8121	B0-12-200-11
P8122	B0-12-200-12
P8123	B0-12-200-13
P8124	B0-12-200-14
P8125	B0-12-200-15

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-20(

SAMPLE ID	P8111	P8112	P8113	
SAMPLED	12/18/90	12/18/90	12/18/90	
TEST				UNITS
LEAD	17	27	15	mg/kg
-FURNACE	[1.0]	[2.0]	[1.0]	
OIL AND GREASE	250	ND	210	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

SAMPLE ID	P8114	P8115	P8116	
SAMPLED	12/18/90	12/18/90	12/18/90	
TEST				UNITS
LEAD -FURNACE	31 [2.2]	9.8 [1.0]	15 [1.0]	mg/kg
OIL AND GREASE SOIL 9071	ND [50]	280 [50]	200 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-20(

SAMPLE ID	P8117	P8118	P8119	
SAMPLED	12/18/90	12/18/90	12/18/90	
TEST				UNITS
LEAD -FURNACE	3.1 [0.5]	13 [1.0]	14 [1.1]	mg/kg
OIL AND GREASE SOIL 9071	840 [50]	230 [50]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

SAMPLE ID	P8120	P8121	P8122	
SAMPLED	12/18/90	12/18/90	12/18/90	
TEST				UNITS
LEAD -FURNACE	9.2 [1.0]	7.9 [1.1]	14 [1.0]	mg/kg
OIL AND GREASE SOIL 9071	170 [50]	ND [50]	ND [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-200

SAMPLE ID	P8123	P8124	P8125	
SAMPLED	12/18/90	12/18/90	12/18/90	
TEST				UNITS
LEAD	0.96	14	16	mg/kg
-FURNACE	[0.5]	[1.0]	[1.1]	
OIL AND GREASE	130	430	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8111
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-20(

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8112
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8113
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-20(

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8114
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8115
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-20(

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8116
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8117
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8118
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8119
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8120
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8121
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/28/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8122
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8123
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/29/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8124
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/29/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-20(

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8125
SAMPLE DATE: 12/18/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

FORT McCLELLEN

* Higher detection limits due to matrix effect. Unable to achieve QC requirements with a 1 X dilution on sample ID's P8113,P8116,P8119,P8122, and P8125.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/15/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-200

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B0r2200

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 210990
C/C Control No. 210990

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306203
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1180 Le Blanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: IT As
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: IT Corp
Attn: Dick Johnson
Port Allen, LA

DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P 8111	Soil	250 ml	ice	BETX(8021), TPH(9071), Pb(6F) (7421)	
P8112	↓	↓	↓	↓	
P8113					
P8114					
P8115					
P8116					
P8117					
P8118					
P8119					
P8120	↓	↓	↓	↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by T. Valenzuela Date/Time 12/20/90 0830

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B012200

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 010990

C/C Control No. 210990

PROJECT NAME/NUMBER Ft Mc Clellan

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8111	T894 (B5) 0-2	12/18/90 828	30:1	9 Glass	Good Cond 1°C	
P8112	T894 (B5) 8-10	" 843			See Nonconformance!	
P8113	T894 (B5) 18-20	" 846			T Malinosky	
P8114	T894 (B6) 0-2	" 915			12/20/90	
P8115	T894 (B6) 8-10	" 946			1 of 2 cracked (see nonconformance)	
P8116	T894 (B6) 18-20	" 944				
P8117	1394 (B1) 0-2	" 1059				
P8118	1394 (B1) 8-10	" 1109				
P8119	1394 (B1) 18-20	" 1116				
P8120	1394 (B2) 0-2	" 1135				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/18/90

   Received By: T Malinosky IT 12/20/90 0830

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To a[illegible]ny samples
YELLOW - Fi[illegible]

Bor2200

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 210991
C/C Control No. 210991

PROJECT NAME: Ft McClellan
PROJECT NUMBER: ~~[illegible]~~ 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767
PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/18/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
IT Corp, Port Allen
DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
P8121	Soil	250 ml	ice	BETX(8021), TPH(9071), Pb(GP)(7421	
P8122	↓	↓	↓	↓	
P8123	↓	↓	↓	↓	
P8124	↓	↓	↓	↓	
P8125	↓	↓	↓	↓	
				↓	
				↓	
				↓	
				↓	
				↓	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by T. Kalinsky Date/Time 12/20/90 0830

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012200

R/A Control No. 210991

C/C Control No. 210991

PROJECT NAME/NUMBER Ft McClellan 306700

LAB DESTINATION ITAS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8121	1394 (B2) 8-10	12/10/90 1145	Soil	Glass	Good Cond 1°C	
P8122	1394 (B2) 18-20	" 1147			See Transmittal	
P8123	1394 (B3) 0-2	" 1311			T. Malinsky	
P8124	1394 (B3) 8-10	" 1315			12/20/90	
P8125	1394 (B3) 18-20	" 1330				

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/18/90 5pm

   Received By: T. Malinsky IT 12/20/90 0830

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To a[illegible] any samples
YELLOW - Fi[illegible]

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 01/14/91

Work Order: BO-12-198 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: SOIL INVESTIGATION 306703-000
Date Received: 12/20/90
Number of Samples: 11
Sample Type: SOIL

I. Introduction
SEE FOOTNOTE ON PAGE 18 OF REPORT.

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
P8126	BO-12-198-01
P8127	BO-12-198-02
P8128	BO-12-198-03
P8129	BO-12-198-04
P8130	BO-12-198-05
P8131	BO-12-198-06
P8132	BO-12-198-07
P8133	BO-12-198-08
P8134	BO-12-198-09
P8135	BO-12-198-10

Reviewed and Approved:
Neal Saleh for
Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-19(

Samples, continued from above:

SAMPLE IDENTIFICATION	LABORATORY #
P8136	BO-12-198-11

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-198

SAMPLE ID	P8126	P8127	P8128	
SAMPLED	12/19/90	12/19/90	12/19/90	
TEST				UNITS
LEAD	17	16	14	mg/kg
-FURNACE	[2]	[2]	[2]	
OIL AND GREASE	810	490	ND	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

SAMPLE ID	P8129	P8130	P8131	
SAMPLED	12/19/90	12/19/90	12/19/90	
TEST				UNITS
LEAD	13	18	7	mg/kg
-FURNACE	[2]	[2]	[1]	
OIL AND GREASE	3800	600	99	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

SAMPLE ID	P8132	P8133	P8134	
SAMPLED	12/19/90	12/19/90	12/19/90	
TEST				UNITS
LEAD	11	15	11	mg/kg
-FURNACE	[4]	[2]	[2]	
OIL AND GREASE	1100	360	280	mg/kg
SOIL 9071	[50]	[50]	[50]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-19

SAMPLE ID	P8135	P8136	
SAMPLED	12/19/90	12/19/90	
TEST			UNITS
LEAD -FURNACE	13 [2]	13 [2]	mg/kg
OIL AND GREASE SOIL 9071	590 [50]	130 [50]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8126
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-19

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8127
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8128
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 01/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8129
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8130
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8131
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 01/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8132
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-19(

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8133
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8134
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 01/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND *	50
Ethylbenzene	ND *	50
Toluene	ND *	50
Xylenes (total)	ND *	50

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8135
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 12/31/90

	Results in ug/kg:	Detection Limit
Benzene	1.1	1
Ethylbenzene	5.5	1
Toluene	1.8	1
Xylenes (total)	16	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: P8136
SAMPLE DATE: 12/19/90
ANALYSIS DATE: 01/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (total)	ND	1

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: B0-12-198

FORT McCLELLEN

* Higher detection limits due to matrix effect. Unable to achieve QC requirements at 1x dilution on sample ID's P8128, P8132 and P8234 for BTEX.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 01/14/91
Client Work ID: SOIL INVESTIGATION 306703-000 Work Order: BO-12-198

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME GFAA Digestion - Soil TEST CODE 3050F

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME BTEX - Purge and Trap TEST CODE BTEX

BTEX	EPA 8020-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID).

TEST NAME OIL AND GREASE SOIL 9071 TEST CODE O_G_S

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

TEST NAME LEAD -FURNACE TEST CODE PB_GF

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

B012198

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241859
C/C Control No. 160729

PROJECT NAME: Ft. McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corp
1150 LeBlanc Rd
Port Allen, LA 70767

PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/19/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
Port Allen

DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
PS026	Soil	250ml		BEDX(8001), TPH(9011), Pb(GF)(7421)	
PS027					
PS028					
PS029					
PS030					
PS031					
PS032					
PS033					
PS034					
PS035					

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/20/90 0830

WHITE - [illegible]l, to accompany samples
YELLOW - [illegible]d copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

B012198

R/A Control No. 241859

C/C Control No. 160729

PROJECT NAME/NUMBER Ft McClellan 306.703

LAB DESTINATION IT AS

SAMPLE TEAM MEMBERS Lori Ferguson

CARRIER/WAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
PS026	1394 (B4) 0-2	12/19/90 7:21	Soil	glass	Good Cond 1°C	
PS027	1394 (B4) 8-10	" 7:30			J Kalinsky	
PS028	1394 (B4) 18-20	" 7:35			12/20/90	
PS029	1394 (B5) 0-2	"				
PS030	1394 (B5) 8-10	"				
PS031	1394 (B5) 18-20	"			continued not initialed	
PS032	1394 (B6) 0-2	"				
PS033	1394 (B6) 8-10	"				
PS034	1394 (B6) 18-20	12/19/90	Soil	glass		
PS035	4437 (B2) 0-2	" 9:50	"			

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/19/90 5pm
   Received By: J Kalinsky IT 12/20/90 0830
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B012198

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 241860
C/C Control No. 160727

PROJECT NAME: Ft McClellen
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3526
PROJECT MANAGER: Dick Johnson
BILL TO: IT Corporation
1150 LeBlanc Rd
Port Allen, LA 70767
PURCHASE ORDER NO.:

DATE SAMPLES SHIPPED: 12/19/90
LAB DESTINATION: ITAS
LABORATORY CONTACT: Tony Spinelli
SEND LAB REPORT TO: Dick Johnson
Port Allen, LA
DATE REPORT REQUIRED:
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.:

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
PS036	soil	250ml	ice		

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ✓ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 12/20/90 0830

WHITE - (, to accompany samples
YELLOW - copy

126A-10-85

INTERNATIONAL TECHNOLOGY CORPORATION

B012198

CHAIN-OF-CUSTODY RECORD

R/A Control No. 241860

C/C Control No. 160727

PROJECT NAME/NUMBER: JI McClellan 306203

LAB DESTINATION: IT AS

SAMPLE TEAM MEMBERS: Lori Ferguson

CARRIER/WAYBILL NO.:

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
P8136	4437 (B-2) 8-10	12/19/90 1519	Soil	Glass	Good Cond 10C [illegible]	

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Lori Ferguson 12/19/90 5pm
   Received By: [illegible] IT 12/20/90 0830
2. Relinquished By:
   Received By:
3. Relinquished By:
   Received by:
4. Relinquished By:
   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

FORT McCLELLEN
IT CORPORATION
1150 LEBLANC RD.
PORT ALLEN, LA. 70767
DICK JOHNSON

Date: 04/23/91

Work Order: B1-03-226 P.O. Number: 306703

This is the Certificate of Analysis for the following samples:

Client Work ID: TANK PIT S-55 306703-000
Date Received: 03/21/91
Number of Samples: 10
Sample Type: SOIL

I. Introduction

Samples were labeled as follows:

SAMPLE IDENTIFICATION	LABORATORY #
C4419	B1-03-226-01
C4420	B1-03-226-02
C4421	B1-03-226-03
C4422	B1-03-226-04
C4423	B1-03-226-05
C4416	B1-03-226-06
C4417	B1-03-226-07
C4418	B1-03-226-08
LAB BLANK	B1-03-226-09
C4418 MATRIX SPIKE	B1-03-226-10

Reviewed and Approved:

Diane M. Nichols
Laboratory Manager

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

II. QA/QC

The results presented in this report meet the statement of work requirements in accordance with Quality Control and Quality Assurance protocol.

III. Analytical Data

The following page(s) supply results for requested analyses performed on the samples listed above.

The test results relate to tested items only. ITAS-Austin reserves the right to control report production except in whole.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

SAMPLE ID	C4419	C4420	C4421	
SAMPLED	03/19/91	03/19/91	03/19/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	9.4 [0.96]	9.4 [1.0]	8.6 [0.88]	mg/kg
TCLP EXTRACTION	04/03/91	04/03/91	04/03/91	date
OIL AND GREASE SOIL 9071	170 [50]	ND [59]	ND [63]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

SAMPLE ID	C4422	C4423	C4416	
SAMPLED	03/19/91	03/19/91	03/19/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	ND [0.25]	mg/L
LEAD -FURNACE	10 [0.88]	12 [1.8]	5.1 [0.48]	mg/kg
TCLP EXTRACTION	04/03/91	04/03/91	04/03/91	date
OIL AND GREASE SOIL 9071	140 [50]	ND [60]	ND [57]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

SAMPLE ID	C4417	C4418	C4418 MATRIX SPIKE	
SAMPLED	03/19/91	03/19/91	03/19/91	
TEST				UNITS
LEAD-TCLP EXTRACTION	ND [0.25]	ND [0.25]	99 % REC.	mg/L
LEAD -FURNACE	62 [4.4]	10 [1.8]		mg/kg
TCLP EXTRACTION	04/03/91	04/03/91	04/03/91	date
OIL AND GREASE SOIL 9071	180 [50]	ND [60]		mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4419
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4420
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4421
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4422
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4423
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4416
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4417
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: C4418
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME: BTEX - Purge and Trap

SAMPLE ID: LAB BLANK
SAMPLE DATE: 03/19/91
ANALYSIS DATE: 04/01/91

	Results in ug/kg:	Detection Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes (total)	ND	1.0

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

IV. Methodology

Requested analyses were performed according to the following methods.

TEST NAME **ICPES Digestion - Water** TEST CODE **3005**

Water Digestion	Method 3000-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for ICPES analysis.
Metals by ICP	Inductively coupled emission spectroscopy according to Method 6010, "Test Methods for Evaluating Solid Waste Physical/Chemical Methods", SW-846, Third Edition, December 1987 Revision.

TEST NAME **GFAA Digestion - Soil** TEST CODE **3050F**

Soil Digestion	Method 3050-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Acid digestion technique for Graphite Furnace/Flame AA analysis.

TEST NAME **BTEX - Purge and Trap** TEST CODE **BTEX**

BTEX	EPA 8020/602-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. This technique uses a purge and trap with gas chromatography (GC) and photo ionization detection (PID) with a five point curve.

TEST NAME **OIL AND GREASE SOIL 9071** TEST CODE **O_G_S**

Oil and Grease	Method 9071- SW846 Test Methods for Evaluating Solid Waste, 3rd Edition. Soxhlet extraction using freon and gravimetric analysis.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: FORT McCLELLEN
Date: 04/23/91
Client Work ID: TANK PIT S-55 306703-000 Work Order: B1-03-226

TEST NAME **LEAD-TCLP EXTRACTION** TEST CODE **PBTCLP**

Lead-TCLP	Method 6010-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Inductively coupled emission spectroscopy analysis on TCLP leachate.

TEST NAME **LEAD -FURNACE** TEST CODE **PB_GF**

Lead Graphite Furnace	Method 7421-Test Methods for Evaluating Solid Wastes, 3rd Edition, November 1986. Graphite furnace atomic absorption analysis.

TEST NAME **TCLP EXTRACTION** TEST CODE **TCLP_I**

TCLP Preparation	USEPA Method 1311-Federal Register Vol. 55, No. 61., March 29, 1990. Solid phase is extracted with a predetermined extraction fluid, based on alkalinity of the solid phase, equal to twenty times the weight of the solid phase.

INTERNATIONAL TECHNOLOGY CORPORATION

B103226

REQUEST FOR ANALYSIS

R/A Control No. 240698
C/C Control No. 19 30/8

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I. T Corp. 1150 Le Blanc Rd. Port allen La, 70767
PURCHASE ORDER NO.: Ajs40439

DATE SAMPLES SHIPPED: 3-20-91
LAB DESTINATION: I.T Cincinnati
LABORATORY CONTACT: Mr. Rohrbach
SEND LAB REPORT TO: Dick Johnson 1150 Le blanc Rd. Port allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C-4419	5011	125 ML	None	TPH by 9071 Btex,	
" "				Total Lead, TCLP Lead	
C-4420				TPH by 9071, Btex,	
" "				Total Lead TCLP Lead	
C 4421				TPH by 9071, Btex	
" "				total Lead, TCLP Lead	
C 4422				TPH by 9071, Btex	
" "				Total Lead, TCLP Lead	
C 4423				TPH by 9071, Btex,	
" "				Total Lead, TCLP Lead	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush ____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I ____ II ____ III ____ Project Specific ____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard ✓ Flammable ____ Skin Irritant ____ Highly Toxic ____ Other ____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client ____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/21/91 0900

WHITE - Original, to accompany samples
YELLOW - Field copy

126A-10-85

B103226

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240619

C/C Control No. 193018

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray SR.

CARRIER/WAYBILL NO. 0420907141 FED EX

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4419	East wall of tank pit #S-55	3-19-91, 1630	Soil	125 ML	Good Cond.	
" "	" "				Temp 4°C	
C-4420	West wall of tank pit # S-55	1640			non-con	
" "	" "				CJS 3/21/91	
C-4421	North wall of tank pit #S-55	1650				
" "	" "					
C-4422	South wall of tank pit #S-55	1700				
" "	" "					
C-4423	Center wall of tank pit #S-55	1710				
" "	" "					

Special Instructions:

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Sr. I.T Corp 3-20-91

   Received By: [signature] 3/21/91 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

B103226

INTERNATIONAL TECHNOLOGY CORPORATION

REQUEST FOR ANALYSIS

R/A Control No. 240697
C/C Control No. 182829

PROJECT NAME: Ft McClellan
PROJECT NUMBER: 306703
PROFIT CENTER NUMBER: 3826
PROJECT MANAGER: Dick Johnson
BILL TO: I.T corp
1150 Le Blanc rd.
Port allen La, 70767
PURCHASE ORDER NO.: AJ540439

DATE SAMPLES SHIPPED: 3-20-91
LAB DESTINATION: I.T Cincinnati
LABORATORY CONTACT: Mr. Rohrbach
SEND LAB REPORT TO: Dick Johnson
1150 Le Blanc Rd.
Port Allen La, 70767
DATE REPORT REQUIRED: 21 days
PROJECT CONTACT: Dick Johnson
PROJECT CONTACT PHONE NO.: 504) 344-8530

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
C-4416	soil	125 ML	None	TPH by 4071 BTEX,	
" "				Total Lead, TCLP Lead	
C 4417				TPH by 4071 BTEX	
" "				total Lead, TCLP Lead	
C 4418				TPH by 4071, BTEX,	
" "				Total Lead, TCLP Lead	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
Normal ✓ Rush _____ (Subject to rush surcharge.)

QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
I _____ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard _____ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client _____ Disposal by Lab ✓ Archive 3 (Indicate number of months.)

FOR LAB USE ONLY
Received by [signature] Date/Time 3/21/91 0900

WHITE - Original to accompany samples
YELLOW - Field copy

126A-10-85

B103226

INTERNATIONAL TECHNOLOGY CORPORATION

CHAIN-OF-CUSTODY RECORD

R/A Control No. 240697

C/C Control No. 182829

PROJECT NAME/NUMBER Ft McClellan / 306703

LAB DESTINATION I.T Austin

SAMPLE TEAM MEMBERS W. McCray SR.

CARRIER/WAYBILL NO. 0420907141 FED EX

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
C-4416	East South of Tank pit #5-55 (Random)	3-19-91 1500	Soil	125 ML	Good Cond.	
" "	" "	"			Temp 4°C	
C-4417	West side of Tank pit #5-55 (Random)	1510			Non-Con.	
" "	" "	"			GJS 3/21/91	
C-4418	North side of Tank pit #5-55 (random)	1520				
" "	" "	"				

Special Instructions:

Possible Sample Hazards: W

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Willie McCray Sr. 3-20-91 I.T Corp

   Received By: Chris Schupoff 3/21/91 0900

2. Relinquished By:

   Received By:

3. Relinquished By:

   Received by:

4. Relinquished By:

   Received By:

WHITE - To accompany samples
YELLOW - Field copy

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

IT Corporation
1150 LeBlanc Road
Port Allan, LA 70767

Date: May 14, 1991

Attn: Mr. Dick Johnson

Job Number 21361

P.O. Number AJS90439

This is the Certificate of Analysis for the following samples:

Client Project ID:	Ft. McClellan
Date Received:	April 22, 1991
Work Order:	X1-04-143
Number of Samples:	8
Sample Type:	Soil

I. Introduction

Eight soil samples arrived at ITAS Cincinnati on April 22, 1991. The samples were sent for analytical work in support of monitoring work on the Ft. McClellan Project. The samples were labeled as follows:

Soil # C-4480	Soil # C-4484
Soil # C-4481	Soil # C-4485
Soil # C-4482	Soil # C-4486
Soil # C-4483	Soil # C-4487

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information, the analytical results, and the appropriate detection limits.

The analyses requested are listed on the following page.

Reviewed and Approved by:

Bruce Rohrbach
Project Manager
104143