APPENDIX C

Laboratory Reports from Soil Investigation

INDEX OF LABORATORY REPORTS FOR SOIL SAMPLES

Sample ID	Lab ID	Collection Date	Sample ID	Lab ID	Collection Date
TT3-1A Composite Soil	6070684	7/15/96	ST4-SS-1	6071173	7/25/96
Methanol, Trip Blank	6070694	7/15/96	TT4-6A Composite Soil	6071174	7/25/96
ST3-TL1	6071132	7/15/96	TT4-FB-1	6071175	7/25/96
ST3-TL2	6071133	7/15/96	Methanol, Trip Blank	6071176	7/25/96
ST3-TL3	6071134	7/15/96	ST4-SL-1	R6071172	7/25/96
Methanol, Trip Blank		7/15/96	Method Blank		7/22-7/25/96
TT3-2A Composite Soil	6070745	7/16/96	TP1-1A Composite Soil	6071270	7/26/96
ST3-DBOX	6070746	7/16/96	Water, TP1-RB1	6071271	7/26/96
Method Blank		7/16/96	TP2-15	6071272	7/26/96
TT2-1A Composite Soil	6070816	7/17/96	TP2-2-11NW	6071273	7/26/96
TT2-2A Composite Soil	6070817	7/17/96	TP2-2-11SE	6071274	7/26/96
TT2-3A Composite Soil	6070818	7/17/96	MEOH, TP2-FB-1	6071275	7/26/96
TT2-TL1	6071130	7/17/96	TP2-1A Composite Soil	6071276	7/26/96
Method Blank		7/17/96	Methanol, Trip Blank	6071277	7/26/96
TT1-1A Composite Soil	6070878	7/18/96	TT4-SS-2	6071278	7/26/96
TT1-2A Composite Soil	6070879	7/18/96	TT4-7A Composite Soil	6071279	7/26/96
TCLP Extract of Soil, TT1-SEP	6070880	7/18/96	TP1-15	6071280	7/26/96
TT1-3A Composite Soil	6070881	7/18/96	TP1-1-12E	6071281	7/26/96
Methanol,TT1-FB1	6070882	7/18/96	TP1-1-12W	6071282	7/26/96
Water, TT1-RB1	6070883	7/18/96	Method Blank		7/26/96
TT1-SS1	6070901	7/18/96	Method Blank		7/26/96
MEOH, Trip Blank	6071131	7/18/96	Method Blank		7/27/96
MEOH, Trip Blank	6071168	7/18/96	TP3-2.5	6071334	7/30/96
TT2-4A Composite Soil	6070913	7/19/96	TP3-2.0E	6071335	7/30/96
TCLP Extract of Soil, ST2-SL	6070914	7/19/96	TP3-2.0W	6071336	7/30/96
TT2-5A Composite Soil	6071058	7/19/96	TP3-1A	6071337	7/30/96
MEOH, Trip Blank	6071169	7/19/96	Water, TP4-RB-1	6071338	7/30/96
TT2-6A Composite Soil	6071054	7/23/96	Methanol, TP4-FB-1	6071339	7/30/96
TT2-7A Composite Soil	6071055	7/23/96	TP4-15	6071340	7/30/96
TT2-8A Composite Soil	6071056	7/23/96	TP4-12W	6071341	7/30/96
TCLP Extract of Soil, ST2-SL-1	6071057	7/23/96	TP4-12E	6071342	7/30/96
MEOH, Trip Blank (610)	6071129	7/23/96	TP4-1A Composite Soil	6071343	7/30/96
Method Blank		7/19-7/23/96	TP6B-15	6071344	7/30/96
ST1-SL-8	6071114	7/24/96	TP6B-12N	6071345	7/30/96
TT4-1A Composite Soil	6071115	7/24/96	TP6B-12S	6071346	7/30/96
TT4-2A Composite Soil	6071116	7/24/96	TP6B-1A Composite Soil	6071347	7/30/96
TT4-3A Composite Soil	6071117	7/24/96	Methanol, TP6B-FB-1	6071348	7/30/96
TT4-4A Composite Soil	6071118	7/24/96	TP10-1A Composite Soil	6071349	7/30/96
Soil, MS	6071119	7/24/96	Methanol, TP10-FB-1	6071350	7/30/96
Soil, MSD	6071120	7/24/96	TP10-RB-1	6071351	7/30/96
MEOH, Trip Blank	6071121	7/24/96	TP7-15	6071352	7/30/96
TT4-RB-1	6071170	7/25/96	TP7-12W	6071353	7/30/96
TT4-5A Composite Soil	6071171	7/25/96	TP7-12E	6071354	7/30/96
ST4-SL-1	6071172	7/25/96	TP7-1A Composite Soil	6071355	7/30/96

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TP9-15	6071356	7/30/96	BH2-40	6080771	8/20/96
TP9-12W	6071357	7/30/96	BH2-40-MS	6080772	8/20/96
TP9-12E	6071358	7/30/96	BH2-40-MSD	6080773	8/20/96
TP9-MS	6071359	7/30/96	BH2-RB-1	6080774	8/20/96
TP9-MSD	6071360	7/30/96	BH2-FB-1	6080775	8/20/96
TP9-1A Composite Soil	6071361	7/30/96	BH2-70	6080776	8/21/96
TP10-15	6071362	7/30/96	BH2-90	6080777	8/21/96
TP10-12N	6071363	7/30/96	BH1-20	6080778	8/22/96
TP10-12S	6071364	7/30/96	BH1-40	6080779	8/22/96
TP10-RB-1	6071426	7/31/96	BH1-70	6080780	8/22/96
TP6A-1A Composite Soil	6071427	7/31/96	Trip Blank	6080781	
TP6A-12E	6071429	7/31/96	AB2-20	6080859	8/23/96
TP6-12W	6071430	7/31/96	AB2-40	6080860	8/23/96
TP5-2	6071431	7/31/96	AB2-60	6080861	8/23/96
TP5-2S	6071432	7/31/96	Methanol, Trip Blank	6080873	8/23/96
TP5-2N	6071433	7/31/96	ST3-SP1-35	6080862	8/26/96
TP5-1A	6071434	7/31/96	ST3-SP2-40	6080863	8/26/96
TT4-RB-2	6071435	7/31/96	ST3-SP3-40	6080864	8/26/96
TT4-8A Composite Soil	6071436	7/31/96	Methanol, ST3-SP3-40-FB	6080865	8/26/96
Methanol, TT4-FB-2	6071437	7/31/96	ST3-SP3-40-RB	6080866	8/26/96
Methanol, Trip Blank	6071438		ST3-SP4-25	6080867	8/26/96
TT4-9A Composite Soil	6080054	8/1/96	ST3-SP5-40	6080868	8/26/96
TT4-10A Composite Soil	6080055	8/1/96	ST3-SP6-40	6080874	8/26/96
Method Blank		8/1/96	AB3-20	6080984	8/27/96
TT5-1A Composite Soil	6080093	8/2/96	AB3-40	6080985	8/27/96
TT6-SP7	6080094	8/2/96	AB3-60	6080986	8/27/96
TT6-1A Composite Soil	6080095	8/2/96	AB4-30	6080987	8/28/96
TT6-2A Composite Soil	6080096	8/2/96	Methanol, AB4-FB1	6080990	8/28/96
TT6-3A Composite Soil	6080097	8/2/96	AB4-RB1	6080991	8/28/96
TT6-4A Composite Soil	6080098	8/2/96	AB4-40	6080992	8/28/96
TT6-5A Composite Soil	6080099	8/2/96	AB4-60	6080993	8/28/96
TT3-1A Composite Soil	6080100	8/2/96	Methanol, Trip Blank	6080994	
TT6-SP8	6080101	8/2/96	MEOH, Trip Blank	6080995	
TT6-SP9	6080102	8/2/96	ST3-SP1-40	6081054	8/28/96
TT4-11A Composite Soil	6080531	8/14/96	ST3-SP1-50	6081055	8/28/96
ST5-SL	6080532	8/14/96	ST3-SP1-60	6081056	8/28/96
TT4-12A Composite Soil	6080533	8/15/96	ST3-SP1-70	6081057	8/28/96
TT4-13A Composite Soil	6080534	8/15/96	ST3-SP1-80	6081058	8/29/96
Methanol, Trip Blank	6080535		Water, ST3-SP1-RB1	6081060	8/29/96
ST3-SL10	6080782	8/19/96	ST4-SP4-25	6081061	8/29/96
AB1-20	6080783	8/19/96	ST4-SP5-25	6081062	8/29/96
AB1-30	6080784	8/19/96	Methanol, Trip Blank	6081063	8/29/96
AB1-40	6080785	8/19/96	ST4-SP6-25	6081064	8/29/96
ST3-SP7-40	6080770	8/20/96	ST4-SP7-25	6081065	8/29/96

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ST4-SP8-50	6081130	8/29/96
ST4-SP1-50	6081131	8/30/96
ST4-SP2-25	6081132	8/30/96
ST4-SP3-25	6081133	8/30/96
ST4-SP9-25	6081134	8/30/96
Methanol, Trip Blank	6081135	
BH3-RB1	6090066	9/3/96
Methanol, BH3-FB1	6090067	9/3/96
BH3-20	6090068	9/3/96
BH3-40	6090069	9/3/96
BH3-80	6090070	9/3/96
VB-BOX 10	6090071	9/4/96
VB-BOX 20	6090074	9/4/96
VB-BOX 30	6090075	9/4/96
VB-BOX 40	6090076	9/4/96
VB-BOX 50	6090077	9/4/96
Methanol, VB-BOX FB1	6090078	9/4/96
VB-BOX RB1	6090079	9/4/96
VB-BOX 60	6090080	9/4/96
VB-BOX 70	6090081	9/4/96
VB-BOX 80	6090082	9/4/96
VB-BOX 85	6090083	9/4/96
ST4-SP8-55	6090244	9/5/96
ST4-SP8-65	6090245	9/5/96
EP Sludge	6090246	9/5/96
ST4-SP8-75	6090247	9/6/96
EP Water	6090248	9/6/96
ST4-SP8-RB1	6090249	9/6/96
Methanol, ST4-SP7-FB1	6090250	9/6/96
ST4-SP7-30	6090251	9/6/96
ST4-SP7-40	6090252	9/6/96
ST4-SP7-50	6120665	9/6/96
ST4-SP7-60	6080772	9/6/96
ST4-SP7-70	6090260	9/6/96
ST4-SP5-30	6090261	9/6/96
ST4-SP5-40	6090259	9/6/96
DECON-1	6091076	9/23/96
HA-1-.65'	6091077	9/23/96
HA-1-4.35'	6091078	9/23/96
HA-2-.65'	6091079	9/23/96
HA-2-4.6'	6091080	9/23/96
ST3-Base	6110105	11/1/96
ST1-Base	6110106	11/1/96
ST2-Base	6110107	11/1/96

Sample ID	Lab ID	Collection Date
ST5-Base	6110108	11/1/96
MEOH, ST5-Base-FB	6110109	11/1/96
ST5-Base-RB	6110110	11/1/96
ST3-East-CR	6110199	11/5/96
ST3-West-CR	6110200	11/5/96
DBOX-CR	6110201	11/5/96
MEOH, DBOX-CR-FB1	6110202	11/5/96
DBOX-CR-RB1	6110203	11/5/96
Trip Blank	6110204	
Trip Blank	6110205	
Methanol, ST3-SP3-40-FB1	6081059	8/29/98
SS-101	6111107	11/25/96
FD2445	6111108	11/25/96
SS-102	6120046	12/03/96
PVMHP	6120670	12/10/96
HE-2V	6120387	12/11/96
MW-7L	6120663	12/13/96
MW-7LD	6120664	12/13/96
MW-4	6120665	12/13/96
MW-8	6120666	12/13/96
MW-5	6120667	12/13/96
MW-6	6120668	12/13/96
MW-7	6120669	12/13/96
BH-1	6121112	12/24/96
ST3-SP1	6121113	12/24/96
VB Box	6121114	12/24/96

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Sample ID	Lab ID	Collection Date	Sample ID	Lab ID	Collection Date
WOC-MW-1S	6110713	11/18/96	WOC-MW-7LD	6120664	12/13/96
WOC-MW-5S	6110714	11/18/96	WOC-MW-4M	7020069	2/3/97
WOC-MW-4S	6110715	11/18/96	WOC-WCP-8	7020070	2/3/97
WOC-MW-3S	6110792	11/19/96	Trip Blank	7020169	2/4/97
WOC-MW-2S	6110793	11/19/96	WOC-MW-6M	7020170	2/4/97
RB-1-GW	6110794	11/19/96	WOC-MW-2M	7020171	2/4/97
WOC-MW-7S	6110795	11/19/96	WOC-MW-3M	7020172	2/4/97
WOC-MW-7S/Field Dup	6110796	11/19/96	WOC-MW-7M	7020173	2/4/97
WOC-MW-7S/Field Blank	6110798	11/19/96	WCP-13	7020228	2/5/97
WOC-MW-6S	6110905	11/20/96	WCP-13D	7020229	2/5/97
WOC-WCP-11	6111079	11/22/96	WCP-14	7020230	2/5/97
WOC-WCP-13	6111080	11/22/96	WOC-MW-4S	7020231	2/5/97
WOC-WCP-10	6111081	11/22/96	Trip Blank	7020232	2/5/97
WOC-WCP-12	6111130	11/25/96	WOC-WCP-12	7020278	2/6/97
WOC-WCP-3	6111131	11/25/96	WOC-RB-1	7020279	2/6/97
WOC-RB-2	6111132	11/25/96	WOC-MW-4FB	7020280	2/6/97
WOC-WCP-8	6111133	11/25/96	WOC-MW-4L	7020281	2/6/97
WOC-WCP-4	6111134	11/25/96	Trip Blank	7020282	2/6/97
Trip Blank	6111135	11/25/96	Trip Blank	7020317	2/6/97
WOC-SW-1	6111192	11/26/96	WOC-MW-6L	7020313	2/7/97
WOC-SW-2	6111193	11/26/96	WOC-MW-6S	7020314	2/7/97
WOC-MW-4M	6120004	12/2/96	WOC-WCP-3	7020315	2/7/97
WOC-MW-3M	6120059	12/3/96	WOC-MW-5S	7020316	2/7/97
WOC-MW-4S	6120061	12/3/96	WOC-MW-1S	7020355	2/10/97
Trip Blank	6120062	12/3/96	WOC-WCP-10FB	7020356	2/10/97
WOC-MW-3M/FIELD DUP	6120060A	12/3/96	WOC-WCP-10	7020357	2/10/97
WOC-MW-2M	6120204	12/5/96	WOC-WCP-10D	7020358	2/10/97
WOC-MW-7M	6120205	12/5/96	WOC-WCP-11	7020359	2/10/97
Trip Blank	6120206	12/5/96	WOC-WCP-4	7020360	2/10/97
Field Blank	6120207	12/5/96	WOC-MW-7S	7020361	2/10/97
WOC-MW-6M	6120258	12/6/96	Trip Blank	7020362	2/10/97
WOC-MW-4L	6120259	12/6/96	WOC-MW-2S	7020247	2/11/97
Trip Blank	6120260	12/6/96	WOC-MW-3S	7020426	2/11/97
MW-6L	6120544	12/11/96	WOC-MW-7LFB	7020428	2/11/97
Trip Blank	6120545	12/12/96	WOC-MW-7L	7020429	2/11/97
WOC-MW-7L	6120663	12/13/96	WOC-MW-7LD	7020430	2/11/97

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Trip Blank	7020432	2/11/97	WOC-MW-RB2	7050347	5/9/97
SW-1	7030089	3/4/97	WOC-MW-7FB	7050348	5/9/97
SW-2	7030090	3/4/97	WOC-MW-7M	7050349	5/9/97
SW-3	7030091	3/4/97	WOC-MW-7MD	7050350	5/9/97
SW-FB	7030092	3/4/97	Trip Blank	7050351	5/9/97
Trip Blank	7030093	3/4/97	WOC-SW-1	7050352	5/9/97
WOC-MW-6S	7050129	5/5/97	WOC-SW-1D	7050353	5/9/97
WOC-WCP-13	7050130	5/5/97	WOC-SW-2	7050354	5/9/97
WOC-MW-1S	7050131	5/5/97	WCP-10	PGH00141	8/4/97
WOC-MW-5S	7050132	5/5/97	WCP-3	PGH00142	8/4/97
Trip Blank	7050133	5/5/97	MW-5S	PGH00143	8/4/97
WOC-MW-6M	7050199	5/6/97	MW-4S	PGH00144	8/4/97
WOC-MW-6L	7050200	5/6/97	MW-2S	PGH00145	8/4/97
WOC-WCP-4	7050201	5/6/97	MW-7S	PGH00146	8/4/97
WOC-WCP-11	7050202	5/6/97	WCP-14	PGH00147	8/4/97
WOC-WCP-14	7050203	5/6/97	Trip Blank	PGH00148	8/4/97
WOC-MW-4S	7050204	5/6/97	MW-5S	PGH00395	8/4/97
MW-44	7050205	5/6/97	WCP-13	PGH00184	8/5/97
MW-4FB	7050206	5/6/97	WCP-13D	PGH00185	8/5/97
Trip Blank	7050207	5/6/97	WCP-13FB	PGH00187	8/5/97
WOC-MW-RB-1	7050238	5/7/97	WOC-EB	PGH00188	8/5/97
MW-3M	7050239	5/7/97	WCP-11	PGH00189	8/5/97
WOC-MW-3S	7050240	5/7/97	MW-3S	PGH00190	8/5/97
WOC-MW-2S	7050241	5/7/97	MW-1S	PGH00191	8/5/97
WOC-MW-2M	7050242	5/7/97	MW-6S	PGH00192	8/5/97
WOC-MW-7S	7050243	5/7/97	WCP-12	PGH00193	8/5/97
Trip Blank	7050244	5/7/97	Trip Blank	PGH00194	8/5/97
WOC-MW-4M	7050298	5/8/97	MW-1S	PGH00424	8/5/97
WOC-MW-4D	7050299	5/8/97	MW-4M	PGH00307	8/6/97
WOC-MW-FB2	7050300	5/8/97	MW-4L	PGH00308	8/6/97
WOC-MW-4L	7050301	5/8/97	MW-7L	PGH00309	8/6/97
WOC-WCP-10	7050302	5/8/97	MW-7M	PGH00310	8/6/97
WOC-WCP-3	7050303	5/8/97	MW-6L	PGH00311	8/6/97
WOC-MW-7L	7050304	5/8/97	Trip Blank	PGH00312	8/6/97
Trip Blank	7050305	5/8/97	MW-6MD	PGH00362	8/8/97
WOC-WCP-8	7050345	5/9/97	Trip Blank	PGH00363	8/8/97
WOC-WCP-12	7050346	5/9/97	MW-6M FB	PGH00364	8/8/97

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MW-6M	PGH00365	8/8/97	FB-3	PGK00829	11/19/97
MW-2M	PGH00366	8/8/97	SW-1	PGK00830	11/19/97
MW-3M	PGH00371	8/9/97	SW-11	PGK00831	11/19/97
WCP-4	PGH00372	8/9/97	MW-6L	PGK00832	11/19/97
WCP-8	PGH00373	8/9/97	MW-7M	PGK00833	11/19/97
Trip Blank	PGH00374	8/9/97	MW-7L	PGK00834	11/19/97
MW-FB1	PGK00558	11/13/97	Trip Blank	PGK00835	11/19/97
MW-5S	PGK00559	11/13/97	SW-2	PGK00836	11/19/97
MW-5SD	PGK00560	11/13/97	104 S	PHB00497	2/9/98
WCP-14	PGK00561	11/13/97	Trip Blank	PHB00495	2/10/98
WCP-13	PGK00562	11/13/97	EB-1-P3	PHB00496	2/10/98
WCP-8	PGK00563	11/13/97	103 S	PHB00498	2/10/98
MW-7S	PGK00564	11/13/97	WCP-10	PHB00499	2/10/98
Trip Blank	PGK00565	11/13/97	WCP-4	PHB00500	2/10/98
EB-1	PGK00675	11/14/97	WOC-MW-7M	PHB00622	2/12/98
WCP-11	PGK00676	11/14/97	EB-2-P3	PHB00623	2/12/98
WCP-4	PGK00677	11/14/97	WCP-13	PHB00624	2/12/98
WCP-10	PGK00678	11/14/97	WCP-8	PHB00625	2/12/98
WCP-12	PGK00679	11/14/97	MW-4S	PHB00627	2/12/98
Trip Blank	PGK00680	11/14/97	MW-4S-FB1	PHB00628	2/12/98
MW-4S	PGK00698	11/17/97	MW-44	PHB00629	2/12/98
EB-2	PGK00699	11/17/97	MW-4M	PHB00630	2/12/98
MW-4M	PGK00700	11/17/97	MW-6M	PHB00631	2/12/98
WCP-3	PGK00701	11/17/97	MW-6S	PHB00632	2/12/98
MW-6S	PGK00702	11/17/97	Trip Blank	PHB00633	2/12/98
Trip Blank	PGK00703	11/17/97	WCP-11	PHB00634	2/12/98
MW-44	PGK00704	11/17/97	MW-3S	PHB00728	2/13/98
MW-1S	PGK00732	11/18/97	MW-3M	PHB00729	2/13/98
MW-111	PGK00733	11/18/97	MW-22	PHB00730	2/13/98
FB-2	PGK00734	11/18/97	MW-2M	PHB00731	2/13/98
MW-6M	PGK00735	11/18/97	EB-2	PHB00732	2/13/98
MW-2S	PGK00736	11/18/97	MW-2S	PHB00733	2/13/98
MW-2M	PGK00737	11/18/97	Trip Blank	PHB00735	2/13/98
MW-3S	PGK00738	11/18/97	EB4-P1	PHB00736	2/13/98
MW-3M	PGK00739	11/18/97	FB-3	PHB00808	2/17/98
Trip Blank	PGK00740	11/18/97	MW-11S	PHB00809	2/17/98
MW-4L	PGK00828	11/19/97	WCP-3	PHB00810	2/17/98

INDEX OF LABORATORY REPORTS FOR WATER SAMPLES

Sample ID	Lab ID	Collection Date	Sample ID	Lab ID	Collection Date
MW-1S	PHB00811	2/17/98	EB-6-BQ	PHB01012	2/18/98
EB-5-P3	PHB00812	2/17/98	MW-13M	PHB01013	2/18/98
MW-5S	PHB00813	2/17/98	WCP-12	PHB01014	2/18/98
Trip Blank	PHB00814	2/17/98	WCP-14	PHB01015	2/18/98
MW-105M	PHB01008	2/18/98	Trip Blank	PHB01016	2/18/98
MW-106M	PHB01009	2/18/98	Trip Blank	PHB01107	2/23/98
MW-102M	PHB01010	2/18/98	WOC-PW	PHB01108	2/23/98
MW-102S	PHB01011	2/18/98	MW-7S	PHB01109	2/23/98

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 15, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 16, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Jul 26, 1996
Attention: Steve Smith	Lab Number: 6070684	Analyzed:	Jul 26, 1996
		Reported:	Jul 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	60	N.D.
Bromoform	60	N.D.
Bromomethane	60	N.D.
Carbon tetrachloride	60	N.D.
Chlorobenzene	60	N.D.
Chloroethane	300	N.D.
2-Chloroethylvinyl ether	300	N.D.
Chloroform	60	N.D.
Chloromethane	60	N.D.
Dibromochloromethane	60	N.D.
1,2-Dichlorobenzene	120	N.D.
1,3-Dichlorobenzene	120	N.D.
1,4-Dichlorobenzene	120	N.D.
1,1-Dichloroethane	60	N.D.
1,2-Dichloroethane	60	N.D.
1,1-Dichloroethene	60	N.D.
cis-1,2-Dichloroethene	60	N.D.
trans-1,2-Dichloroethene	60	N.D.
1,2-Dichloropropane	60	N.D.
cis-1,3-Dichloropropene	60	N.D.
trans-1,3-Dichloropropene	60	N.D.
Methylene chloride	120	N.D.
1,1,2,2-Tetrachloroethane	60	N.D.
Tetrachloroethene	60	N.D.
1,1,1-Trichloroethane	60	N.D.
1,1,2-Trichloroethane	60	N.D.
Trichloroethene	60	N.D.
Trichlorofluoromethane	60	N.D.
Vinyl Chloride	60	N.D.
Benzene	60	N.D.
Ethylbenzene	60	N.D.
Toluene	60	N.D.
Total Xylenes	120	N.D.

***Composite inculdes samples: TT3-1A, TT3-1B, TT3-1C, TT3-1D, TT3-1E, TT3-1F, TT3-1G, TT3-1H, TT3-1I, TT3-1J**

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Methanol, Trip Blank
Lab Number: 6070694

Sampled: Jul 15, 1996
Received: Jul 16, 1996
Extracted: Jul 26, 1996
Analyzed: Jul 26, 1996
Reported: Jul 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	97%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Composite Soil*
Lab Number: 6070684

Sampled: Jul 15, 1996
Received: Jul 16, 1996
Extracted: Jul 19-23, 1996
Analyzed: Jul 20-23, 1996
Reported: Jul 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.7
Barium	6010	0.10	100
Cadmium	6010	0.10	0.13
Chromium	6010	0.50	24
Lead	6010	1.0	6.5
Mercury	7471	0.0020	0.010
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite inculdes samples: TT3-1A, TT3-1B, TT3-1C, TT3-1D, TT3-1E, TT3-1F, TT3-1G, TT3-1H, TT3-1I, TT3-1J**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 26, 1996
Analyzed: Jul 26, 1996
Reported: Jul 30, 1996
Matrix: Extract

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 27, 1996
Analyzed: Jul 27, 1996
Reported: Jul 30, 1996
Matrix: Extract

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 26, 1996
Analyzed: Jul 26, 1996
Reported: Jul 30, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 19-23, 1996
Analyzed: Jul 20-23, 1996
Reported: Jul 30, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 7/26/96
Sample #: FG02988
Batch #: FG26101S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	25	24	24	97%	97%	0.051	97%	≤ 10	90-106
Chloroform	0	25	27	26	107%	103%	3.8	105%	≤ 19	77-119
1,1-Dichloroethane	0	25	27	26	108%	102%	6.1	105%	≤ 20	81-115
1,2-Dichloroethane	0	25	27	26	108%	106%	2.4	107%	≤ 18	79-117
[illegible]Dichloroethene	0	25	25	24	101%	95%	6.2	98%	≤ 18	75-121
Tetrachloroethene	0.056	25	25	24	98%	97%	0.85	97%	≤ 14	84-112
Toluene	1.4	25	24	24	92%	92%	0.81	92%	≤ 10	86-110
Trichloroethene	0	25	24	26	98%	104%	6.3	101%	≤ 21	75-121

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/23/96

SAMPLE # P6070616

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	1.9	17	17	17	89%	89%	0.0%	89%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/20/96

Sample #: P6070790

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	1.6	50	41	43	79%	83%	4.8%	81%
Barium	50	50	99	98	98%	96%	1.0%	97%
Cadmium	0.00096	50	45	45	90%	90%	0.0%	90%
Chromium	46	50	94	95	96%	98%	1.1%	97%
Magnesium	1.6	50	47	46	91%	89%	2.2%	90%
Selenium	0	50	40	41	80%	82%	2.5%	81%
Silver	0	50	41	42	82%	84%	2.4%	83%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

Del Mar Analytical

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/20/96

Sample #: P6070718

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Barium	96	50	150	140	108%	88%	6.9%	98%
Beryllium	0.37	50	41	41	81%	81%	0.0%	81%
Cadmium	0.11	50	43	43	86%	86%	0.0%	86%
Chromium	12.3	50	56	52	87%	79%	7.4%	83%
Lead	7.5	50	51	50	87%	85%	2.0%	86%
Nickel	13	50	53	51	80%	76%	3.8%	78%
Selenium	0	50	46	46	92%	92%	0.0%	92%
Thallium	0.98	50	41	41	80%	80%	0.0%	80%
Zinc	54	50	100	100	92%	92%	0.0%	92%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO-Search, Inc

Project/PO Number: 808708313 / ~~1004~~ 1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: M. Conway

Analysis Required: 8010/8020 *; BTEX/RA METALS 6010/7000; HOLD

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020 *	BTEX/RA METALS 6010/7000					HOLD		Special Instructions
TT3-1A	S	VOA Jar	2	7.15.96 1340		X	X							
TT3-1B			2	7.15.96 1345		X	X							
TT3-1C			2	7.15.96 1350		X	X							
ST3-TL1			2	7.15.96 14:30		X	X					+		Hold (until
ST3-TL2			2	7.15.96 1515		X	X					+		Further Notice
ST3-TL3			2	7.15.96 1653		X	X					+		per Matt.
TT3-1D			2	7.15.96 17:10		X	X							7-16-96 11:20
TT3-1E			2	7.15.96 17:34		X	X							
TT3-1F			2	7.15.96 17:34		X	X							* Composite Samples
TT3-1G			2	7.15.96 17:34		X	X							TT3 1.A thru TT3 1J
TT3-1H			2	7.15.96 17:34		X	X							Run both analysis
TT3-1I			2	7.15.96 17:34		X	X							on composite.
TT3-1J			2	7.15.96 17:34		X	X					H	H	
~~TRIP BLANK~~	~~W~~	~~VOA~~	~~2~~			~~X~~								~~Hold~~

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7.15.96 / 18:17	[illegible]	7/15/96 / 18:17
[illegible]	7/16/96 [illegible]		
		Received in Lab by: [illegible]	Date /Time: 7/16/96 9:40am

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 16, 1996
4636 E. University Drive, Ste. 145		Received: Jul 16, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-DBOX	Extracted: Jul 16, 1996
Attention: Steve Smith	Lab Number: 6070746	Analyzed: Jul 27, 1996
		Reported: Jul 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	250	N.D.
Bromoform	250	N.D.
Bromomethane	250	N.D.
Carbon tetrachloride	250	N.D.
Chlorobenzene	250	N.D.
Chloroethane	1,200	N.D.
2-Chloroethylvinyl ether	1,200	N.D.
Chloroform	250	N.D.
Chloromethane	250	N.D.
Dibromochloromethane	250	N.D.
1,2-Dichlorobenzene	490	N.D.
1,3-Dichlorobenzene	490	N.D.
1,4-Dichlorobenzene	490	N.D.
1,1-Dichloroethane	250	N.D.
1,2-Dichloroethane	250	N.D.
1,1-Dichloroethene	250	N.D.
cis-1,2-Dichloroethene	250	N.D.
trans-1,2-Dichloroethene	250	N.D.
1,2-Dichloropropane	250	N.D.
cis-1,3-Dichloropropene	250	N.D.
trans-1,3-Dichloropropene	250	N.D.
Methylene chloride	490	N.D.
1,1,2,2-Tetrachloroethane	250	N.D.
Tetrachloroethene	**250**	**550**
1,1,1-Trichloroethane	250	N.D.
1,1,2-Trichloroethane	250	N.D.
Trichloroethene	**250**	**2,700**
Trichlorofluoromethane	250	N.D.
Vinyl Chloride	250	N.D.
Benzene	250	N.D.
Ethylbenzene	250	N.D.
Toluene	250	N.D.
Total Xylenes	490	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 4.9.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	106%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Composite Soil*
Lab Number: 6070745

Sampled: Jul 16,
Received: Jul 16,
Extracted: Jul 19-23
Analyzed: Jul 20-23
Reported: Jul 30,

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.6
Barium	6010	0.10	98
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	21
Lead	6010	1.0	4.0
Mercury	7471	0.0020	0.0064
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite includes samples: TT3-2A, TT3-2B, TT3-2C, TT3-2D, TT3-2E, TT3-2F, TT3-2G, TT3-2H, TT3-2I, TT3-2J**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 16, 1996
Analyzed: Jul 26, 1996
Reported: Jul 30, 1996
Matrix: Extract

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.
Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 16, 1996
Analyzed: Jul 27, 1996
Reported: Jul 30, 1996
Matrix: Extract

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.
Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 26, 1996
Analyzed: Jul 26, 1996
Reported: Jul 30, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.
Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 19-23, 1996
Analyzed: Jul 20-23, 1996
Reported: Jul 30, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 7/26/96

Sample #: FG02988

Batch #: FG26101S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	25	24	24	97%	97%	0.051	97%	≤ 10	90-106
Chloroform	0	25	27	26	107%	103%	3.8	105%	≤ 19	77-119
1,1-Dichloroethane	0	25	27	26	108%	102%	6.1	105%	≤ 20	81-115
1,2-Dichloroethane	0	25	27	26	108%	106%	2.4	107%	≤ 18	79-117
Dichloroethene	0	25	25	24	101%	95%	6.2	98%	≤ 18	75-121
Tetrachloroethene	0.056	25	25	24	98%	97%	0.85	97%	≤ 14	84-112
Toluene	1.4	25	24	24	92%	92%	0.81	92%	≤ 10	86-110
Trichloroethene	0	25	24	26	98%	104%	6.3	101%	≤ 21	75-121

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 7/27/96

Sample #: Blank

Batch #: FG27101S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	25	25	25	98%	99%	0.48	99%	≤ 10	90-106
Chloroform	0	25	26	24	103%	96%	7.2	100%	≤ 19	77-119
1,1-Dichloroethane	0	25	25	24	102%	97%	4.7	100%	≤ 20	81-115
1,2-Dichloroethane	0	25	27	26	107%	106%	1.5	107%	≤ 18	79-117
Dichloroethene	0	25	25	26	100%	103%	2.8	102%	≤ 18	75-121
Tetrachloroethene	0	25	23	25	91%	102%	11	96%	≤ 14	84-112
Toluene	0	25	25	25	98%	100%	1.5	99%	≤ 10	86-110
Trichloroethene	0	25	29	25	115%	100%	14	108%	≤ 21	75-121

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

Mar Analytical

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QC DATA REPORT

EPA METHOD: 245.1
Matrix: Soil

DATE: 7/23/96

SAMPLE # P6070616

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	1.9	17	17	17	89%	89%	0.0%	89%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/20/96

Sample #: P6070790

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	1.6	50	41	43	79%	83%	4.8%	81%
Barium	50	50	99	98	98%	96%	1.0%	97%
Cadmium	0.00096	50	45	45	90%	90%	0.0%	90%
Chromium	46	50	94	95	96%	98%	1.1%	97%
Magnesium	1.6	50	47	46	91%	89%	2.2%	90%
Selenium	0	50	40	41	80%	82%	2.5%	81%
Silver	0	50	41	42	82%	84%	2.4%	83%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/20/96

Sample #: P6070718

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Barium	96	50	150	140	108%	88%	6.9%	98%
Beryllium	0.37	50	41	41	81%	81%	0.0%	81%
Cadmium	0.11	50	43	43	86%	86%	0.0%	86%
Chromium	12.3	50	56	52	87%	79%	7.4%	83%
Lead	7.5	50	51	50	87%	85%	2.0%	86%
Nickel	13	50	53	51	80%	76%	3.8%	78%
Selenium	0	50	46	46	92%	92%	0.0%	92%
Thallium	0.98	50	41	41	80%	80%	0.0%	80%
Zinc	54	50	100	100	92%	92%	0.0%	92%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO-Search, Inc

Project/PO Number: 808708313/1004

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required: 8010/8020; 8 RCRA Metals 6010/7000

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6010/7000								Special Instructions
TT3-2A	S	VOA Jar	2	7.16.96 0906		X	X								Composite
TT3-2B	S		2	7.16.96 0908		X	X								TT3-2A
TT3-2C	S		2	7.16.96 0910		X	X								2B
TT3-2D	S		2	7.16.96 0912		X	X								2C
~~TT3~~ ST3-DBOX	S		2	7.16.96 0924		X	X								2D
TT3-2E	S		2	7.16.96 12:59		X	X								2E
TT3-2F	S		2	7.16.96 12:59		X	X								2F
TT3-2G	S		2	7.16.96 12:59		X	X								2G
TT3-2H	S		2	7.16.96 12:59		X	X								2H
TT3-2I	S		2	7.16.96 12:59		X	X								2I
TT3-2J	S		2	7.16.96 12:59		X	X								2J

Relinquished By: [signature] Date /Time: 7.16.96 1615

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: [signature] Date /Time: 7/16/96 1615

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 17, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 17, 1996
Attention: Steve Smith	Lab Number: 6070816	Analyzed: Jul 30, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	60	N.D.
Bromoform	60	N.D.
Bromomethane	60	N.D.
Carbon tetrachloride	60	N.D.
Chlorobenzene	60	N.D.
Chloroethane	300	N.D.
2-Chloroethylvinyl ether	300	N.D.
Chloroform	60	N.D.
Chloromethane	60	N.D.
Dibromochloromethane	60	N.D.
1,2-Dichlorobenzene	120	N.D.
1,3-Dichlorobenzene	120	N.D.
1,4-Dichlorobenzene	120	N.D.
1,1-Dichloroethane	60	N.D.
1,2-Dichloroethane	60	N.D.
1,1-Dichloroethene	60	N.D.
cis-1,2-Dichloroethene	60	N.D.
trans-1,2-Dichloroethene	60	N.D.
1,2-Dichloropropane	60	N.D.
cis-1,3-Dichloropropene	60	N.D.
trans-1,3-Dichloropropene	60	N.D.
Methylene chloride	120	N.D.
1,1,2,2-Tetrachloroethane	60	N.D.
Tetrachloroethene	60	N.D.
1,1,1-Trichloroethane	60	N.D.
1,1,2-Trichloroethane	60	N.D.
Trichloroethene	60	N.D.
Trichlorofluoromethane	60	N.D.
Vinyl Chloride	60	N.D.
Benzene	60	N.D.
Ethylbenzene	60	N.D.
Toluene	60	N.D.
Total Xylenes	120	N.D.

***Composite includes samples: TT2-1A, TT2-1B, TT2-1C, TT2-1D, TT2-1E, TT2-1F, TT2-1G, TT2-1H, TT2-1I, TT2-1J**

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 17, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 17, 1996
Attention: Steve Smith	Lab Number: 6070817	Analyzed: Jul 30, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	55	N.D.
Bromoform	55	N.D.
Bromomethane	55	N.D.
Carbon tetrachloride	55	N.D.
Chlorobenzene	55	N.D.
Chloroethane	280	N.D.
2-Chloroethylvinyl ether	280	N.D.
Chloroform	55	N.D.
Chloromethane	55	N.D.
Dibromochloromethane	55	N.D.
1,2-Dichlorobenzene	110	N.D.
1,3-Dichlorobenzene	110	N.D.
1,4-Dichlorobenzene	110	N.D.
1,1-Dichloroethane	55	N.D.
1,2-Dichloroethane	55	N.D.
1,1-Dichloroethene	55	N.D.
cis-1,2-Dichloroethene	55	N.D.
trans-1,2-Dichloroethene	55	N.D.
1,2-Dichloropropane	55	N.D.
cis-1,3-Dichloropropene	55	N.D.
trans-1,3-Dichloropropene	55	N.D.
Methylene chloride	110	N.D.
1,1,2,2-Tetrachloroethane	55	N.D.
Tetrachloroethene	55	N.D.
1,1,1-Trichloroethane	55	N.D.
1,1,2-Trichloroethane	55	N.D.
Trichloroethene	55	N.D.
Trichlorofluoromethane	55	N.D.
Vinyl Chloride	55	N.D.
Benzene	55	N.D.
Ethylbenzene	55	N.D.
Toluene	55	N.D.
Total Xylenes	110	N.D.

***Composite includes samples: TT2-2A, TT2-2B, TT2-2C, TT2-2D, TT2-2E, TT2-2F, TT2-2G, TT2-2H, TT2-2I, TT2-2J**

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.1.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 17, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 17, 1996
Attention: Steve Smith	Lab Number: 6070818	Analyzed: Jul 30, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	60	N.D.
Bromoform	60	N.D.
Bromomethane	60	N.D.
Carbon tetrachloride	60	N.D.
Chlorobenzene	60	N.D.
Chloroethane	300	N.D.
2-Chloroethylvinyl ether	300	N.D.
Chloroform	60	N.D.
Chloromethane	60	N.D.
Dibromochloromethane	60	N.D.
1,2-Dichlorobenzene	120	N.D.
1,3-Dichlorobenzene	120	N.D.
1,4-Dichlorobenzene	120	N.D.
1,1-Dichloroethane	60	N.D.
1,2-Dichloroethane	60	N.D.
1,1-Dichloroethene	60	N.D.
cis-1,2-Dichloroethene	60	N.D.
trans-1,2-Dichloroethene	60	N.D.
1,2-Dichloropropane	60	N.D.
cis-1,3-Dichloropropene	60	N.D.
trans-1,3-Dichloropropene	60	N.D.
Methylene chloride	120	N.D.
1,1,2,2-Tetrachloroethane	60	N.D.
Tetrachloroethene	60	N.D.
1,1,1-Trichloroethane	60	N.D.
1,1,2-Trichloroethane	60	N.D.
Trichloroethene	60	N.D.
Trichlorofluoromethane	60	N.D.
Vinyl Chloride	60	N.D.
Benzene	60	N.D.
Ethylbenzene	60	N.D.
Toluene	60	N.D.
Total Xylenes	120	N.D.

***Composite includes samples: TT2-3A, TT2-3B, TT2-3C, TT2-3D, TT2-3E, TT2-3F, TT2-3G, TT2-3H, TT2-3I, TT2-3J**

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 17, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 19-23, 1996
Attention: Steve Smith	Lab Number: 6070816	Analyzed: Jul 20-23, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.7
Barium	6010	0.10	120
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	22
Lead	6010	1.0	3.5
Mercury	7471	0.0020	0.0045
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite includes samples: TT2-1A, TT2-1B, TT2-1C, TT2-1D, TT2-1E, TT2-1F, TT2-1G, TT2-1H, TT2-1I, TT2-1J**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 17, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 19-23, 1996
Attention: Steve Smith	Lab Number: 6070817	Analyzed: Jul 20-23, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.7
Barium	6010	0.10	98
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	22
Lead	6010	1.0	3.8
Mercury	7471	0.0020	0.0058
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite includes samples: TT2-2A, TT2-2B, TT2-2C, TT2-2D, TT2-2E, TT2-2F, TT2-2G, TT2-2H, TT2-2I, TT2-2J**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 17, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 19-23, 1996
Attention: Steve Smith	Lab Number: 6070818	Analyzed: Jul 20-23, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.6
Barium	6010	0.10	83
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	18
Lead	6010	1.0	3.7
Mercury	7471	0.0020	0.0043
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite includes samples: TT2-3A, TT2-3B, TT2-3C, TT2-3D, TT2-3E, TT2-3F, TT2-3G, TT2-3H, TT2-3I, TT2-3J**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 17, 1996
Analyzed: Jul 30, 1996
Reported: Aug 2, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.
Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	101%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 17, 1996
Analyzed: Jul 31, 1996
Reported: Aug 2, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.
Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 19-23, 1996
Analyzed: Jul 20-23, 1996
Reported: Aug 2, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 7/30/96

Sample #: Blank

Batch #: FG30101S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	25	25	24	99%	98%	2.0	98%	≤ 10	90-106
Chloroform	0	25	24	25	98%	102%	4.0	100%	≤ 19	77-119
1,1-Dichloroethane	0	25	25	26	101%	103%	1.8	102%	≤ 20	81-115
1,2-Dichloroethane	0	25	27	27	106%	109%	2.8	108%	≤ 18	79-117
-Dichloroethene	0	25	23	24	92%	94%	2.6	93%	≤ 18	75-121
Tetrachloroethene	0	25	24	24	97%	98%	0.89	97%	≤ 14	84-112
Toluene	0	25	25	25	100%	98%	1.9	99%	≤ 10	86-110
Trichloroethene	0	25	25	25	101%	101%	0.62	101%	≤ 21	75-121

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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QC DATA REPORT

EPA METHOD: 245.1
Matrix: Soil

DATE: 7/23/96

SAMPLE # P6070616

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	1.9	17	17	17	89%	89%	0.0%	89%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/20/96

Sample #: P6070876

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.6	50	49	49	85%	85%	0.0%	85%
Barium	22.0	50	66	66	88%	88%	0.0%	88%
Cadmium	4.6	50	44	44	79%	79%	0.0%	79%
Chromium	6.7	50	48	48	83%	83%	0.0%	83%
Lead	17	50	57	58	80%	82%	1.7%	81%
Selenium	1.7	50	43	43	83%	83%	0.0%	83%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search Inc

Project/PO Number: 8087082313/1004 1003

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	BTEX 6010/7000							Special Instructions
TT2-TL1	S	16oz JAR	2	7/17/96 11:17		X	X							HOLD
TT2-1A				7/17 1143		X	X							
TT2-1B				7/17 1145		X	X							
TT2-1C				7/17 1147		X	X							
TT2-1D				7/17 1149		X	X							
TT2-1E				7/17 1151		X	X					Composite		
TT2-1F				7/17 1153		X	X							
TT2-1G				7/17 1153		X	X							
TT2-1H				7/17 1155		X	X							
TT2-1I				7/17 1157		X	X							
TT2-1J				7/17 1159		X	X							
Trip Blank														HOLD

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/17/96 18:27	[signature]	7/17/96 1828
[signature]	7/18/96 925		
		Received in Lab by: [signature]	7/18/96 925

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ____ on ice ____

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search

Project/PO Number: 5087082313/1004 1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	BTEX Metals 6010/7000								Special Instructions
TT2-3A	S	1/2 gal jar	2	7/17/96 1240		X	X								
TT2-3B				7/17 1241		X	X								
TT2-3C				7/17 1242		X	X								
TT2-3D				7/17 1243		X	X								
TT2-3E				7/17 1244		X	X								
TT2-3F				7/17 1245		X	X								
TT2-3G				7/17 1246		X	X								
TT2-3H				7/17 1247		X	X								
TT2-3I				7/17 1248		X	X								
TT2-3J				7/17 1249		X	X								

Composite

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/17/96 18:27	[signature]	7/17/96 1828
[signature]	7/18/96 923	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: [signature]	Date /Time: 7/18/96 923am

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search

Project/PO Number: 808708313/19854

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required: 8010/8020; 8015RA Mod/G/D/7000

composite

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8015RA Mod/G/D/7000									Special Instructions
TT2-2A	S	VOA jar	2	7.17.96 1235		X	X									
TT2-2B				7/17 1235		X	X									
TT2-2C				7/17 1235		X	X									
TT2-2D				7/17 1235		X	X									
TT2-2E				7/17 1235		X	X									
TT2-2F				7/17 1235		X	X									
TT2-2G				7/17 1235		X	X									
TT2-2H				7/17 1235		X	X									
TT2-2I				7/17 1235		X	X									
TT2-2J				7/17 1235		X	X									

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/17/96 18:27	[signature]	7/17/96 1828
[signature]	7/18/96 924		
		Received in Lab by: [signature]	7/18/96 924

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 18, 1996
Attention: Steve Smith	Lab Number: 6070878	Analyzed: Jul 30, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	60	N.D.
Bromoform	60	N.D.
Bromomethane	60	N.D.
Carbon tetrachloride	60	N.D.
Chlorobenzene	60	N.D.
Chloroethane	300	N.D.
2-Chloroethylvinyl ether	300	N.D.
Chloroform	60	N.D.
Chloromethane	60	N.D.
Dibromochloromethane	60	N.D.
1,2-Dichlorobenzene	120	N.D.
1,3-Dichlorobenzene	120	N.D.
1,4-Dichlorobenzene	120	N.D.
1,1-Dichloroethane	60	N.D.
1,2-Dichloroethane	60	N.D.
1,1-Dichloroethene	60	N.D.
cis-1,2-Dichloroethene	60	N.D.
trans-1,2-Dichloroethene	60	N.D.
1,2-Dichloropropane	60	N.D.
cis-1,3-Dichloropropene	60	N.D.
trans-1,3-Dichloropropene	60	N.D.
Methylene chloride	120	N.D.
1,1,2,2-Tetrachloroethane	60	N.D.
Tetrachloroethene	60	N.D.
1,1,1-Trichloroethane	60	N.D.
1,1,2-Trichloroethane	60	N.D.
Trichloroethene	60	N.D.
Trichlorofluoromethane	60	N.D.
Vinyl Chloride	60	N.D.
Benzene	60	N.D.
Ethylbenzene	60	N.D.
Toluene	60	N.D.
Total Xylenes	120	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

***Composite samples were composited in the laboratory prior to analysis and include samples: TT1-1A, TT1-1B, TT1-1C, TT1-1D, TT1-1E, TT1-1F, TT1-1G, TT1-1H, TT1-1I, TT1-1J**

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 18, 1996
Attention: Steve Smith	Lab Number: 6070879	Analyzed: Jul 30, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	60	N.D.
Bromoform	60	N.D.
Bromomethane	60	N.D.
Carbon tetrachloride	60	N.D.
Chlorobenzene	60	N.D.
Chloroethane	300	N.D.
2-Chloroethylvinyl ether	300	N.D.
Chloroform	60	N.D.
Chloromethane	60	N.D.
Dibromochloromethane	60	N.D.
1,2-Dichlorobenzene	120	N.D.
1,3-Dichlorobenzene	120	N.D.
1,4-Dichlorobenzene	120	N.D.
1,1-Dichloroethane	60	N.D.
1,2-Dichloroethane	60	N.D.
1,1-Dichloroethene	60	N.D.
cis-1,2-Dichloroethene	60	N.D.
trans-1,2-Dichloroethene	60	N.D.
1,2-Dichloropropane	60	N.D.
cis-1,3-Dichloropropene	60	N.D.
trans-1,3-Dichloropropene	60	N.D.
Methylene chloride	120	N.D.
1,1,2,2-Tetrachloroethane	60	N.D.
Tetrachloroethene	60	N.D.
1,1,1-Trichloroethane	60	N.D.
1,1,2-Trichloroethane	60	N.D.
Trichloroethene	60	N.D.
Trichlorofluoromethane	60	N.D.
Vinyl Chloride	60	N.D.
Benzene	60	N.D.
Ethylbenzene	60	N.D.
Toluene	60	N.D.
Total Xylenes	120	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

***Composite samples were composited in the laboratory prior to analysis and include samples: TT1-2A, TT1-2B, TT1-2C, TT1-2D, TT1-2E, TT1-2F, TT1-2G, TT1-2H, TT1-2I, TT1-2J**

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	95%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT1-SEP	Extracted: Jul 18, 1996
Attention: Steve Smith	Lab Number: 6070880	Analyzed: Jul 30, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	55	N.D.
Bromoform	55	N.D.
Bromomethane	55	N.D.
Carbon tetrachloride	55	N.D.
Chlorobenzene	55	N.D.
Chloroethane	280	N.D.
2-Chloroethylvinyl ether	280	N.D.
Chloroform	55	N.D.
Chloromethane	55	N.D.
Dibromochloromethane	55	N.D.
1,2-Dichlorobenzene	110	N.D.
1,3-Dichlorobenzene	110	N.D.
1,4-Dichlorobenzene	110	N.D.
1,1-Dichloroethane	55	N.D.
1,2-Dichloroethane	55	N.D.
1,1-Dichloroethene	55	N.D.
cis-1,2-Dichloroethene	55	N.D.
trans-1,2-Dichloroethene	55	N.D.
1,2-Dichloropropane	55	N.D.
cis-1,3-Dichloropropene	55	N.D.
trans-1,3-Dichloropropene	55	N.D.
Methylene chloride	110	N.D.
1,1,2,2-Tetrachloroethane	55	N.D.
Tetrachloroethene	**55**	**66**
1,1,1-Trichloroethane	55	N.D.
1,1,2-Trichloroethane	**55**	**98**
Trichloroethene	55	N.D.
Trichlorofluoromethane	55	N.D.
Vinyl Chloride	55	N.D.
Benzene	55	N.D.
Ethylbenzene	55	N.D.
Toluene	55	N.D.
Total Xylenes	110	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.1.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	109%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 18, 1996
Attention: Steve Smith	Lab Number: 6070881	Analyzed: Jul 30, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	60	N.D.
Bromoform	60	N.D.
Bromomethane	60	N.D.
Carbon tetrachloride	60	N.D.
Chlorobenzene	60	N.D.
Chloroethane	300	N.D.
2-Chloroethylvinyl ether	300	N.D.
Chloroform	60	N.D.
Chloromethane	60	N.D.
Dibromochloromethane	60	N.D.
1,2-Dichlorobenzene	120	N.D.
1,3-Dichlorobenzene	120	N.D.
1,4-Dichlorobenzene	120	N.D.
1,1-Dichloroethane	60	N.D.
1,2-Dichloroethane	60	N.D.
1,1-Dichloroethene	60	N.D.
cis-1,2-Dichloroethene	60	N.D.
trans-1,2-Dichloroethene	60	N.D.
1,2-Dichloropropane	60	N.D.
cis-1,3-Dichloropropene	60	N.D.
trans-1,3-Dichloropropene	60	N.D.
Methylene chloride	120	N.D.
1,1,2,2-Tetrachloroethane	60	N.D.
Tetrachloroethene	60	N.D.
1,1,1-Trichloroethane	60	N.D.
1,1,2-Trichloroethane	60	N.D.
Trichloroethene	60	N.D.
Trichlorofluoromethane	60	N.D.
Vinyl Chloride	60	N.D.
Benzene	60	N.D.
Ethylbenzene	60	N.D.
Toluene	60	N.D.
Total Xylenes	120	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

***Composite samples were composited in the laboratory prior to analysis and include samples: TT1-3A, TT1-3B, TT1-3C, TT1-3D, TT1-3E, TT1-3F, TT1-3G, TT1-3H, TT1-3I, TT1-3J**

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, TT1-FB1	Extracted: Jul 18, 1996
Attention: Steve Smith	Lab Number: 6070882	Analyzed: Jul 31, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	110%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Water, TT1-RB1	Extracted: Aug 1, 1996
Attention: Steve Smith	Lab Number: 6070883	Analyzed: Aug 1, 1996
		Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005

Sample Descript: Soil, TT1-SS1
Lab Number: 6070901

Sampled: Jul 18, 1996
Received: Jul 18, 1996
Extracted: Jul 18, 1996
Analyzed: Jul 30, 1996
Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	60	N.D.
Bromoform	60	N.D.
Bromomethane	60	N.D.
Carbon tetrachloride	60	N.D.
Chlorobenzene	60	N.D.
Chloroethane	300	N.D.
2-Chloroethylvinyl ether	300	N.D.
Chloroform	60	N.D.
Chloromethane	60	N.D.
Dibromochloromethane	60	N.D.
1,2-Dichlorobenzene	120	N.D.
1,3-Dichlorobenzene	120	N.D.
1,4-Dichlorobenzene	120	N.D.
1,1-Dichloroethane	60	N.D.
1,2-Dichloroethane	60	N.D.
1,1-Dichloroethene	60	N.D.
cis-1,2-Dichloroethene	60	N.D.
trans-1,2-Dichloroethene	60	N.D.
1,2-Dichloropropane	60	N.D.
cis-1,3-Dichloropropene	60	N.D.
trans-1,3-Dichloropropene	60	N.D.
Methylene chloride	120	N.D.
1,1,2,2-Tetrachloroethane	60	N.D.
Tetrachloroethene	60	N.D.
1,1,1-Trichloroethane	60	N.D.
1,1,2-Trichloroethane	60	N.D.
Trichloroethene	60	N.D.
Trichlorofluoromethane	60	N.D.
Vinyl Chloride	60	N.D.
Benzene	60	N.D.
Ethylbenzene	60	N.D.
Toluene	60	N.D.
Total Xylenes	120	N.D.

* PID/ELCD were used in series for this analysis.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 22-23, 1996
Attention: Steve Smith	Lab Number: 6070878	Analyzed: Jul 22-23, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.1
Barium	6010	0.10	90
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	15
Lead	6010	1.0	3.4
Mercury	7471	0.0020	0.0043
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite samples were composited in the laboratory prior to analysis and include samples: TT1-1A, TT1-1B, TT1-1C, TT1-1D, TT1-1E, TT1-1F, TT1-1G, TT1-1H, TT1-1I, TT1-1J**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 22-23, 1996
Attention: Steve Smith	Lab Number: 6070879	Analyzed: Jul 22-23, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.1
Barium	6010	0.10	87
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	23
Lead	6010	1.0	3.9
Mercury	7471	0.20**	0.75
Selenium	6010	1.0	N.D.
Silver	6010	0.50	3.1

***Composite samples were composited in the laboratory prior to analysis and include samples: TT1-2A, TT1-2B, TT1-2C, TT1-2D, TT1-2E, TT1-2F, TT1-2G, TT1-2H, TT1-2I, TT1-2J**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 100.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT1-SEP	Extracted: Jul 22-23, 1996
Attention: Steve Smith	Lab Number: 6070880	Analyzed: Jul 22-23, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	11
Barium	6010	0.10	100
Cadmium	6010	0.10	0.44
Chromium	6010	0.50	68
Lead	6010	1.0	19
Mercury	7471	0.20**	3.1
Selenium	6010	1.0	N.D.
Silver	6010	0.50	26

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 100.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 22-23, 1996
Attention: Steve Smith	Lab Number: 6070881	Analyzed: Jul 22-23, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.3
Barium	6010	0.10	63
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	18
Lead	6010	1.0	2.8
Mercury	7471	0.20**	0.47
Selenium	6010	1.0	N.D.
Silver	6010	0.50	0.66

***Composite samples were composited in the laboratory prior to analysis and include samples: TT1-3A, TT1-3B, TT1-3C, TT1-3D, TT1-3E, TT1-3F, TT1-3G, TT1-3H, TT1-3I, TT1-3J**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 100.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Water, TT1-RB1	Extracted: Jul 24-25, 1996
Attention: Steve Smith	Lab Number: 6070883	Analyzed: Jul 24-25, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005

Sample Descript: Soil, TT1-SS1
Lab Number: 6070901

Sampled: Jul 18, 1996
Received: Jul 18, 1996
Extracted: Jul 22-23, 1996
Analyzed: Jul 22-23, 1996
Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	12
Barium	6010	0.10	190
Cadmium	6010	0.10	1.7
Chromium	6010	0.50	100
Lead	6010	1.0	10
Mercury	7471	0.20*	1.0
Selenium	6010	1.0	N.D.
Silver	6010	0.50	3.2

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 100.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, TT1-SEP	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6070880	Analyzed: Aug 1, 1996
		Reported: Aug 8, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit ~~mg/Kg~~ (ppm) mg/L MEC 11/6/96	Sample Result ~~mg/Kg~~ (ppm) mg/L MEC 11/6/96
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-Irvine (AZ0428).

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	86%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, TT1-SEP	Extracted: 7/26-8/5, 1996
Attention: Steve Smith	Lab Number: 6070880	Analyzed: 7/31-8/5, 1996
		Reported: Aug 8, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	N.D.
Cadmium	6010	1.0	0.10	N.D.
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.10	N.D.
Silver	6010	5.0	0.50	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 18, 1996
Analyzed: Jul 30, 1996
Reported: Aug 2, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 18, 1996
Analyzed: Jul 31, 1996
Reported: Aug 2, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	101%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 1, 1996
Analyzed: Aug 1, 1996
Reported: Aug 2, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 22-23, 1996
Analyzed: Jul 22-23, 1996
Reported: Aug 2, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 22-25, 1996
Analyzed: Jul 22-25, 1996
Reported: Aug 2, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 7/30/96

Sample #: Blank

Batch #: FG30101S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	25	25	24	99%	98%	2.0	98%	≤ 10	90-106
Chloroform	0	25	24	25	98%	102%	4.0	100%	≤ 19	77-119
1,1-Dichloroethane	0	25	25	26	101%	103%	1.8	102%	≤ 20	81-115
1.2-Dichloroethane	0	25	27	27	106%	109%	2.8	108%	≤ 18	79-117
Dichloroethene	0	25	23	24	92%	94%	2.6	93%	≤ 18	75-121
Tetrachloroethene	0	25	24	24	97%	98%	0.89	97%	≤ 14	84-112
Toluene	0	25	25	25	100%	98%	1.9	99%	≤ 10	86-110
Trichloroethene	0	25	25	25	101%	101%	0.62	101%	≤ 21	75-121

Definition of Terms

R1..... Result of Sample Analysis

Sp..... Spike Concentration added to sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100

PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100

Mean PR..... Mean Percent Recovery

Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 7/31/96

Sample #: Blank

Batch #: FG31101S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	25	25	25	100%	98%	2.0	99%	≤ 10	90-106
Chloroform	0	25	27	28	109%	113%	4.2	111%	≤ 19	77-119
1,1-Dichloroethane	0	25	28	28	111%	111%	0.19	111%	≤ 20	81-115
1,2-Dichloroethane	0	25	29	29	116%	117%	0.47	117%	≤ 18	79-117
[illegible]Dichloroethene	0	25	25	26	100%	103%	3.2	101%	≤ 18	75-121
Tetrachloroethene	0	25	26	25	103%	99%	3.7	101%	≤ 14	84-112
Toluene	0	25	25	25	99%	98%	1.4	99%	≤ 10	86-110
Trichloroethene	0	25	26	25	106%	98%	6.3	103%	≤ 21	75-121

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

[illegible] Mar Analytical

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/22/96

Sample #: P6070878

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	5.1	50	51	52	92%	94%	1.9%	93%
Barium	90	50	140	140	100%	100%	0.0%	100%
Cadmium	0	50	44	45	88%	90%	2.2%	89%
Chromium	15	50	72	69	114%	108%	4.3%	111%
Lead	3.4	50	48	48	89%	89%	0.0%	89%
Selenium	0	50	45	46	90%	92%	2.2%	91%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/23/96

SAMPLE # P6070878

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.64	5.0	5.9	5.7	105%	101%	3.4%	103%

Definition of Terms:

1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 245.1
Matrix: Water

DATE: 7/24/96

SAMPLE # P6070883

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.014	5.0	5.1	5.2	102%	104%	1.9%	103%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 8/1/96
Sample #: FG03876
Batch #: FH01111W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	10	9.9	10	99%	101%	1.4	100%	≤ 12	70-130
Chloroform	0	10	8.7	9.0	87%	90%	3.0	88%	≤ 25	81-117
1,1-Dichloroethane	0	10	9.0	9.1	90%	91%	1.6	91%	≤ 10	88-110
1,2-Dichloroethane	0	10	8.8	9.1	88%	91%	2.5	89%	≤ 10	89-109
[illegible]Dichloroethene	0	10	8.9	9.5	89%	95%	6.0	92%	≤ 10	83-115
Tetrachloroethene	0	10	9.7	9.6	97%	96%	1.5	96%	≤ 18	86-112
Toluene	0.38	10	10	10	97%	99%	2.2	98%	≤ 13	85-113
Trichloroethene	0	10	9.0	8.8	90%	88%	2.0	89%	≤ 13	84-114

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 7/25/96

Sample #: P6070883

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	4.2	1000	1000	1000	100%	100%	0.0%	100%
Barium	0.21	1000	1000	1000	100%	100%	0.0%	100%
Cadmium	0	1000	1000	1000	100%	100%	0.0%	100%
Chromium	0	1000	1000	1000	100%	100%	0.0%	100%
Lead	0	1000	1000	1000	100%	100%	0.0%	100%
Selenium	0	1000	1100	1000	100%	100%	0.0%	100%
Silver	2.8	1000	1000	1000	110%	100%	9.5%	105%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search

Project/PO Number: 308708313/~~1004~~ 1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6010/7000								Special Instructions
TT1-3H	S	VOA jar	2	7/18 1429		X	X								
TT1-3I				7/18 1430		X	X								
TT1-3J				7/18 1431		X	X								
TT1-SS~~B~~ MEC 1				7/18 1432		X	X								
Trip Blank			1												HOLD
TT1-FB1	Mod		~~1~~ 3 MEC	7/18 1433		X									
TT1-RB1	H_2O MEC		2	7/18 1450		X	X								

Relinquished By: Matthew Conway Date /Time: 7/18/96 1558

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: [illegible] Date /Time: 7/18/96 1558

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search, Inc

Project/PO Number: 808708313/~~1004~~ 1005 ac

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6010/7000	TCLP VOCs	TCLP METALS						Special Instructions
TT1-2E	S	VOA jar	2	7/18/96 1145		X	X								
TT1-2F	S			7/18 1147		X	X								
TT1-2G	S			7/18 1149		X	X								
TT1-2H	S			7/18 1151		X	X								
TT1-SEP	S			7/18 1153		X	X	X	X						
TT1-2I	S			7/18 1420		X	X								
TT1-2J	S			7/18 1421		X	X								
TT1-3A				7/18 1422		X	X			Composite		3A, 3B, 3C			
TT1-3B				7/18 1423		X	X					3D, 3E, 3F			
TT1-3C				7/18 1424		X	X					3G, 3H, 3I, 3J			
TT1-3D				7/18 1425		X	X								
TT1-3E				7/18 1426		X	X								
TT1-3F				7/18 1427		X	X								
TT1-3G				7/18 1428		X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/18/96 1558		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: Dawn Roberts	Date /Time: 7/18/96 1558

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1358

CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search, Inc

Project/PO Number: 308708313/~~1004~~

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required: 8010/8020; 8240/8260; 6010/7000

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8240/8260	6010/7000							Special Instructions
TT1-1A	S	VOA jar	2	7.18.96 0800		X	X								
TT1-1B				7/18 0802		X	X								
TT1-1C				7/18 0804		X	X								
TT1-1D				7/18 0806		X	X								
TT1-1E				7/18 0808		X	X			Composite					
TT1-1F				7/18 0810		X	X								
TT1-1G				7/18 0812		X	X								
TT1-1H				7/18 0814		X	X								
TT1-1I				7/18 0816		X	X								
TT1-1J				7/18 0818		X	X								
TT1-2A				7/18 0820		X	X			Composite	2A, 2B, 2C, 2D				
TT1-2B				7/18 0822		X	X				2E, 2F, 2G, 2H				
TT1-2C				7/18 0824		X	X				2I, 2J				
TT1-2D				7/18 0826		X	X								

Relinquished By: Matthew Conway Date/Time: 7/18/96 1558

Received by: Date/Time:

Relinquished By: Date/Time:

Received by: Date/Time:

Relinquished By: Date/Time:

Received in Lab by: [illegible] Date/Time: 7/18/96 1558

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice ____

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 19, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 19, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Jul 19, 1996
Attention: Steve Smith	Lab Number: 6070913	Analyzed:	Aug 1, 1996
		Reported:	Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

***Samples TT2-4A, TT2-4B, TT2-4C, TT2-4D, TT2-4E, TT2-4F, TT2-4G, TT2-4H, TT2-4I,& TT2-4J were composited in the laboratory prior to analysis.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 19, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 19, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST2-~~5L~~ SL MEC 11/6/96	Extracted:	Jul 19, 1996
Attention: Steve Smith	Lab Number: 6070914	Analyzed:	Aug 1, 1996
		Reported:	Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**300**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.
Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	100%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 19, 1996
4636 E. University Drive, Ste. 145		Received: Jul 19, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 22-23, 1996
Attention: Steve Smith	Lab Number: 6070913	Analyzed: Jul 22-23, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.7
Barium	6010	0.10	98
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	22
Lead	6010	1.0	6.2
Mercury	7471	0.020**	0.23
Selenium	6010	1.0	N.D.
Silver	6010	0.50	24

***Samples TT2-4A, TT2-4B, TT2-4C, TT2-4D, TT2-4E, TT2-4F, TT2-4G, TT2-4H, TT2-4I,& TT2-4J were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Soil, ST2-~~5~~L SL MEC 11/6/96
Lab Number: 6070914

Sampled: Jul 19, 1996
Received: Jul 19, 1996
Extracted: Jul 22-25, 1996
Analyzed: Jul 22-25, 1996
Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	19
Barium	6010	0.10	160
Cadmium	6010	0.10	0.71
Chromium	6010	0.50	36
Lead	6010	1.0	58
Mercury	7471	2.0*	4.8
Selenium	6010	1.0	N.D.
Silver	6010	0.50	180

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1,000.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 19, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 19, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, ST2-~~5L~~ SL MEC 11/6/96	Extracted:	Jul 30, 1996
Attention: Steve Smith	Lab Number: 6070914	Analyzed:	Aug 1, 1996
		Reported:	Aug 5, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit ~~mg/Kg~~ mg/L MEC 11/6/96 (ppm)	Sample Result ~~mg/Kg~~ mg/L MEC 11/6/96 (ppm)
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-IRVINE (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	86%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: TCLP Extract of a Soil, ST2-~~5L~~ 5'L MEC 11/6/96
Lab Number: 6070914

Sampled: Jul 19, 1996
Received: Jul 19, 1996
Extracted: Jul 24-31, 1996
Analyzed: Jul 24-31, 1996
Reported: Aug 5, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	N.D.
Cadmium	6010	1.0	0.10	N.D.
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.10	N.D.
Silver	6010	5.0	0.50	0.61

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 1, 1996
Analyzed: Aug 1, 1996
Reported: Aug 2, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 22-25, 1996
Analyzed: Jul 22-25, 1996
Reported: Aug 2, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/01/96

Sample #: P6071320

Batch #: FH017B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	50	48	99	95	4.2	97	≤25	70 - 130
Chloroform	0	50	43	40	86	81	6.8	84	≤25	70 - 130
1,1-Dichloroethane	0	50	41	35	82	71	15	77	≤25	70 - 130
1,2-Dichloroethane	0	50	38	37	77	74	3.6	75	≤25	70 - 130
1,1-Dichloroethene	0	50	40	35	80	70	13	75	≤25	70 - 130
Tetrachloroethene	0	50	43	40	86	79	8.2	83	≤22	70 - 130
Toluene	0	50	58	55	116	111	4.5	113	≤25	70 - 130
Trichloroethene	0	50	46	42	91	85	6.9	88	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/22/96

Sample #: P6070878

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	5.1	50	51	52	92%	94%	1.9%	93%
Barium	90	50	140	140	100%	100%	0.0%	100%
Cadmium	0	50	44	45	88%	90%	2.2%	89%
Chromium	15	50	72	69	114%	108%	4.3%	111%
Lead	3.4	50	48	48	89%	89%	0.0%	89%
Selenium	0	50	45	46	90%	92%	2.2%	91%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/22/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Silver	0	50	40	40	80%	80%	0.0%	80%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/23/96

SAMPLE # P6070878

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.64	5.0	5.9	5.7	105%	101%	3.4%	103%

Definition of Terms:

1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/25/96

SAMPLE # P6071101

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	5.9	16.5	22	22	98%	98%	0.0%	98%

Definition of Terms:

1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO Search

Project/PO Number: 8087083 13/1005 ~~1004~~

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals	TCLP 8010/8020	TCLP Metals						Special Instructions
TT2-4A	S	VOA jar	2	7/19 0912		X	X				Composite:				
TT2-4B				7/19 0914		X	X				4A, 4B, 4C				
TT2-4C				7/19 0916		X	X				4D, 4E, 4F				
TT2-4D				7/19 0918		X	X				4G, 4H, 4I, 4J				
TT2-4E				7/19 0920		X	X								
TT2-4F				7/19 1015		X	X								
TT2-4G				7/19 1017		X	X								
ST2-5L				7/19 1020		X	X	X	X						
TT2-4H				7/19 1155		X	X								
TT2-4I				7/19 1157		X	X								
TT2-4J				7/19 1159		X	X								
TT2-5A				7/19 1201		X	X								HOLD
TT2-5B				7/19 1340		X	X								HOLD
TT2-5C				7/19 1342		X	X								HOLD

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	7/19/96 17:00			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date /Time:	Received in Lab by: Allie Tilin	Date /Time: 7/19/96 2:30pm	Sample Integrity: (Check) intact ✓	on ice ✓

Note: Sample(s) will be disposed of after 30 days

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CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch Inc

Project/PO Number: 08708313/1069035

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	Analysis Required: EDB/8020	Analysis Required: 8 RCRA Metals								Special Instructions
TT2-5D	S	VOA jar	2	7/19 1344		X	X								HOLD
TT2-5E				7/19 1346		X	X								HOLD
TT2-5F				7/19 1348		X	X								HOLD
TT2-5G				7/19 1350		X	X								HOLD
TT2-5H				7/19 1352		X	X								HOLD
TT2-5I				7/19 1354		X	X								HOLD per client
TRIP BLANK															HOLD

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/19/96 17:00		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: Alle Tdn	Date /Time: 7/19/96 17:00

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Composite Soil*
Lab Number: 6071058

Sampled: Jul 19, 1996
Received: Jul 19, 1996
Extracted: Jul 19, 1996
Analyzed: Aug 1, 1996
Reported: Aug 2, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

***Samples TT2-5A, TT2-5B, TT2-5C, TT2-5D, TT2-5E, TT2-5F, TT2-5G, TT2-5H, TT2-5I were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	100%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 19, 1996
4636 E. University Drive, Ste. 145		Received: Jul 19, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 24-26, 1996
Attention: Steve Smith	Lab Number: 6071058	Analyzed: Jul 25-26, 1996
		Reported: Aug 2, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.5
Barium	6010	0.10	100
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	23
Lead	6010	1.0	6.8
Mercury	7471	0.0020	0.0031
Selenium	6010	1.0	N.D.
Silver	6010	0.50	20

***Samples TT2-5A, TT2-5B, TT2-5C, TT2-5D, TT2-5E, TT2-5F, TT2-5G, TT2-5H, TT2-5I were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 1, 1996
Analyzed: Aug 1, 1996
Reported: Aug 2, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 24-26, 1996
Analyzed: Jul 25-26, 1996
Reported: Aug 2, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/01/96

Sample #: P6071320

Batch #: FH017B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	50	48	99	95	4.2	97	≤25	70 - 130
Chloroform	0	50	43	40	86	81	6.8	84	≤25	70 - 130
1,1-Dichloroethane	0	50	41	35	82	71	15	77	≤25	70 - 130
1,2-Dichloroethane	0	50	38	37	77	74	3.6	75	≤25	70 - 130
1,1-Dichloroethene	0	50	40	35	80	70	13	75	≤25	70 - 130
Tetrachloroethene	0	50	43	40	86	79	8.2	83	≤22	70 - 130
Toluene	0	50	58	55	116	111	4.5	113	≤25	70 - 130
Trichloroethene	0	50	46	42	91	85	6.9	88	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/26/96

Sample #: P6071058

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	5.5	50	53	53	95%	95%	0.0%	95%
Barium	100	50	150	150	100%	100%	0.0%	100%
Cadmium	0	50	45	45	90%	90%	0.0%	90%
Chromium	23	50	70	70	94%	94%	0.0%	94%
Lead	6.8	50	50	50	86%	86%	0.0%	86%
Selenium	0	50	49	49	98%	98%	0.0%	98%
Silver	20	50	66	66	92%	92%	0.0%	92%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7470
Matrix: Soil

DATE: 7/25/96

SAMPLE # P6071101

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	5.9	16.5	22	22	98%	98%	0.0%	98%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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Copy of

CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO Search

Project/PO Number: 8087083 13/1005 ~~1004~~

Project Manager/Phone Number: Steve Smith 8942800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals	TCLP 8010/8020	TCLP Metals						Special Instructions
TT2-4A	S	VOA jar	2	7/19 0912		X	X				Composite:				
TT2-4B				7/19 0914		X	X				4A, 4B, 4C				
TT2-4C				7/19 0916		X	X				4D, 4E, 4F				
TT2-4D				7/19 0918		X	X				4G, 4H, 4I, 4J				
TT2-4E				7/19 0920		X	X								
TT2-4F				7/19 1015		X	X								
TT2-4G				7/19 1017		X	X								
ST2-5L				7/19 1020		X	X	X	X			WATCH HOLD TIMES			
TT2-4H				7/19 1155		X	X								
TT2-4I				7/19 1157		X	X								
TT2-4J				7/19 1159		X	X				COMPOSITE				
TT2-5A				7/19 1201		X	X				TT2-5A-THRU			HOLD	CANCEL all holds
TT2-5B				7/19 1340		X	X				TT2-5I			HOLD	
TT2-5C				7/19 1342		X	X							HOLD	

Relinquished By: Matthew Conway Date /Time: 7/19/96 17:00

Relinquished By: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Received by: Date /Time:

Received in Lab by: Allie T-Kin Date /Time: 7/19/96 2:30pm.

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Sample(s) will be disposed of after 30 days.

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Copy of

CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch Inc

Project/PO Number: 80808313/1004 1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
TT2-5D	S	VOA Jar	2	7/19 1344		X	X								HOLD
TT2-5E	|	|	|	7/19 1346		X	X								HOLD
TT2-5F	|	|	|	7/19 1348		X	X								HOLD
TT2-5G	|	|	|	7/19 1350		X	X						CANCEL HOLDS		HOLD
TT2-5H	|	|	|	7/19 1352		X	X								HOLD
TT2-5I	|	|	|	7/19 1354		X	X								HOLD → PER client
TRIP BLANK															HOLD
									Composite MEC						KEEP HOLD ON TRIP BLANK

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	7/19/96 17:00			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[illegible]	7/19/96 17:00	intact ✓	on ice ✓

(s) will be disposed of after 30 days

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO-Search, Inc

Project/PO Number: 808708313 / 1005 ~~1004~~

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	RCRA Metals 6010/7000								Special Instructions
TT3-2A	S	VOA jar	2	7.16.96 0906	MeOH (MeOA)	X	X								Composite
TT3-2B	S		2	7.16.96 0908		X	X								TT3-2A
TT3-2C	S		2	7.16.96 0910		X	X								2B
TT3-2D	S		2	7.16.96 0912		X	X								2C
MEC ST3-DBOX	S		2	7.16.96 0924		X	X								2D
TT3-2E	S		2	7.16.96 12:59		X	X								2E
TT3-2F	S		2	7.16.96 12:59		X	X								2F
TT3-2G	S		2	7.16.96 12:59		X	X								2G
TT3-2H	S		2	7.16.96 12:59		X	X								2H
TT3-2I	S		2	7.16.96 12:59		X	X								2I
TT3-2J	S		2	7.16.96 12:59		X	X								2J

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7.16.96 1615		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: Nancy Roberts	Date /Time: 7/16/96 1615

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 23, 1996
4636 E. University Drive, Ste. 145		Received: Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 23, 1996
Attention: Steve Smith	Lab Number: 6071054	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

***Samples TT2-6A, TT2-6B, TT2-6C, TT2-6D, TT2-6E, TT2-6F, TT2-6G, TT2-6H, TT2-6I, TT2-6J were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 23, 1996
4636 E. University Drive, Ste. 145		Received: Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 23, 1996
Attention: Steve Smith	Lab Number: 6071055	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

***Samples TT2-7A, TT2-7B, TT2-7C, TT2-7D, TT2-7E, TT2-7F, TT2-7G, TT2-7H, TT2-7I, TT2-7J were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 23, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Jul 23, 1996
Attention: Steve Smith	Lab Number: 6071056	Analyzed:	Aug 6, 1996
		Reported:	Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

***Samples TT2-8A, TT2-8B, TT2-8C, TT2-8D, TT2-8E, TT2-8F, TT2-8G, TT2-8H, TT2-8I, TT2-8J were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 23, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST2-SL-10'	Extracted:	Jul 23, 1996
Attention: Steve Smith	Lab Number: 6071057	Analyzed:	Aug 6, 1996
		Reported:	Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**57**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 23, 1996
4636 E. University Drive, Ste. 145		Received: Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 24-25, 1996
Attention: Steve Smith	Lab Number: 6071054	Analyzed: Jul 24-25, 1996
		Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.4
Barium	6010	0.10	100
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	19
Lead	6010	1.0	2.8
Mercury	7471	0.0020	0.0054
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TT2-6A, TT2-6B, TT2-6C, TT2-6D, TT2-6E, TT2-6F, TT2-6G, TT2-6H, TT2-6I, TT2-6J were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 23, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Jul 24-25, 1996
Attention: Steve Smith	Lab Number: 6071055	Analyzed:	Jul 24-25, 1996
		Reported:	Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.5
Barium	6010	0.10	130
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	19
Lead	6010	1.0	2.6
Mercury	7471	0.0020	0.0047
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TT2-7A, TT2-7B, TT2-7C, TT2-7D, TT2-7E, TT2-7F, TT2-7G, TT2-7H, TT2-7I, TT2-7J were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 23, 1996
4636 E. University Drive, Ste. 145		Received: Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 24-25, 1996
Attention: Steve Smith	Lab Number: 6071056	Analyzed: Jul 24-25, 1996
		Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.3
Barium	6010	0.10	92
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	21
Lead	6010	1.0	3.3
Mercury	7471	0.0020	0.0059
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TT2-8A, TT2-8B, TT2-8C, TT2-8D, TT2-8E, TT2-8F, TT2-8G, TT2-8H, TT2-8I, TT2-8J were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Soil, ST2-SL-10'
Lab Number: 6071057

Sampled: Jul 23, 1996
Received: Jul 23, 1996
Extracted: Jul 24-25, 1996
Analyzed: Jul 24-25, 1996
Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.6
Barium	6010	0.10	94
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	4.3
Mercury	7471	0.20*	1.0
Selenium	6010	1.0	N.D.
Silver	6010	0.50	21

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 100.**

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Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 23, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, ST2-SL-10'	Extracted:	Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071057	Analyzed:	Aug 1, 1996
		Reported:	Aug 7, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit ~~mg/Kg~~ mg/L MEC 11/6/96 (ppm)	Sample Result ~~mg/Kg~~ mg/L MEC 11/6/96 (ppm)
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-IRVINE (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	94%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 23, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 23, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, ST2-SL-10'	Extracted:	7/26-31, 1996
Attention: Steve Smith	Lab Number: 6071057	Analyzed:	7/26-31, 1996
		Reported:	Aug 7, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	N.D.
Cadmium	6010	1.0	0.10	N.D.
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.10	N.D.
Silver	6010	5.0	0.50	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 6, 1996
Analyzed: Aug 6, 1996
Reported: Aug 7, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 24-25, 1996
Analyzed: Jul 24-25, 1996
Reported: Aug 7, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/06/96

Sample #: P6071057

Batch #: FH067B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	55	53	111	106	4.0	108	≤25	70 - 130
Chloroform	0	50	49	45	98	89	9.0	94	≤25	70 - 130
1,1-Dichloroethane	0	50	43	40	87	80	8.4	83	≤25	70 - 130
1,2-Dichloroethane	0	50	45	41	91	82	9.8	86	≤25	70 - 130
1,1-Dichloroethene	0	50	46	42	93	84	10	89	≤25	70 - 130
Tetrachloroethene	3.5	50	50	47	92	86	6.6	89	≤22	70 - 130
Toluene	7.8	50	60	57	105	99	5.9	102	≤25	70 - 130
Trichloroethene	0	50	55	49	110	99	10	104	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/25/96

SAMPLE # P6071101

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	5.9	16.5	22	22	98%	98%	0.0%	98%

Definition of Terms:

1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/24/96

Sample #: P6071070

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	4.3	50	45	45	81%	81%	0.0%	81%
Barium	150	50	200	200	100%	100%	0.0%	100%
Cadmium	0.087	50	41	40	82%	80%	2.5%	81%
Chromium	13	50	55	55	84%	84%	0.0%	84%
Lead	59	50	100	100	82%	82%	0.0%	82%
Nickel	10	50	51	50	82%	80%	2.0%	81%
Selenium	0	50	42	41	84%	82%	2.4%	83%
Silver	0.13	50	39	39	78%	78%	0.0%	78%
Zinc	87	50	140	130	106%	86%	7.4%	96%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO-Search, Inc

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: MATT CONWAY

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6010/7000	TCLP 8010/8020	TCLP 8 RCRA 6010/7000						Special Instructions
TT2-8I	S	VOA Jar	2	7/23/96 1206	Methanol 4oz	X	X								
TT2-8J	S		2	7/23/96 1208	Methanol 4oz	X	X								
ST2-SL-10'	S		2	7/23/96 1424	" "	X	X	X	X						
TRIP BLANK (610)	L	1 VOA	1												HOLD

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	7/23/96 16:08			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[illegible]	7/23/96 4:08pm	intact ✓	on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch, Inc

Project/PO Number: BCB708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6010/7000								Special Instructions
TT2-7E	S	VOA jar	2	7/23/96 1029	Methanol 4°C	X	X			Composite:					
TT2-7F				7/23 1031		X	X			TT2-7A, 7B, 7C					
TT2-7G				7/23 1033		X	X			7D, 7E, 7F, 7G					
TT2-7H				7/23 1035		X	X			7H, 7I, 7J					
TT2-7I				7/23 1137		X	X								
TT2-7J				7/23 1139		X	X								
TT2-8A				7/23 1150		X	X								
TT2-8B				7/23 1152		X	X			Composite:					
TT2-8C				7/23 1154		X	X			TT2-8A, 8B, 8C, 8D,					
TT2-8D				7/23 1156		X	X			8E, 8F, 8G, 8H, 8I, 8J					
TT2-8E				7/23 1158		X	X								
TT2-8F				7/23 1200		X	X								
TT2-8G				7/23 1202		X	X								
TT2-8H				7/23 1204		X	X								

Analysis Required

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/23/96 4:05 pm		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: Alli Tyler	Date /Time: 7/23/96 4:05 PM

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO-Search, INC

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway (MEC)

Analysis Required: 8010/8020; 8 RCRA Metals 6000/7010

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6000/7010								Special Instructions
TT2-6A	S	VOA jar	2	7/23/96 0814	Methanol 4°C	X	X								
TT2-6B				7/23 0816		X	X								
TT2-6C				7/23 0818		X	X								
TT2-6D				7/23 0820		X	X								
TT2-6E				7/23 0822		X	X								
TT2-6F				7/23 0824		X	X		Composite						
TT2-6G				7/23 0826		X	X								
TT2-6H MEC				7/23 0828		X	X								
TT2-6I				7/23 0830		X	X								
TT2-6J				7/23 0832		X	X								
TT2-7A				7/23 1021		X	X								
TT2-7B				7/23 1023		X	X								
TT2-7C				7/23 1025		X	X								
TT2-7D				7/23 1027		X	X								

Relinquished By: Matthew Conway Date /Time: 7/23/96 4:05 pm

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Received by: Date /Time:

Received in Lab by: [illegible] Date /Time: 7/23/96 4:10 pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

) will be disposed of after 30 days.

Del Mar Analytical

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005

Sample Descript: MEOH, Trip Blank (610)
Lab Number: 6071129

Received: Jul 23, 1996
Extracted: Aug 6, 1996
Analyzed: Aug 6, 1996
Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	101%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 17, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT2-TL1	Extracted: Jul 17, 1996
Attention: Steve Smith	Lab Number: 6071130	Analyzed: Jul 30, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: MEOH, Trip Blank
Lab Number: 6071131

Received: Jul 18, 1996
Extracted: Aug 6, 1996
Analyzed: Aug 6, 1996
Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 15, 1996
4636 E. University Drive, Ste. 145		Received: Jul 16, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-TL1	Extracted: Jul 15, 1996
Attention: Steve Smith	Lab Number: 6071132	Analyzed: Jul 29, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 15, 1996
4636 E. University Drive, Ste. 145		Received: Jul 16, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-TL2	Extracted: Jul 15, 1996
Attention: Steve Smith	Lab Number: 6071133	Analyzed: Jul 29, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 15, 1996
4636 E. University Drive, Ste. 145		Received: Jul 16, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-TL3	Extracted: Jul 15, 1996
Attention: Steve Smith	Lab Number: 6071134	Analyzed: Jul 29, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 18, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: MEOH, Trip Blank	Extracted: Aug 1, 1996
Attention: Steve Smith	Lab Number: 6071168	Analyzed: Aug 1, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 19, 1996
4636 E. University Drive, Ste. 145		Received: Jul 19, 1996
Phoenix, AZ 85034	Sample Descript: MEOH, Trip Blank	Extracted: Aug 1, 1996
Attention: Steve Smith	Lab Number: 6071169	Analyzed: Aug 1, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 17, 1996
4636 E. University Drive, Ste. 145		Received: Jul 18, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT2-TL1	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071130	Analyzed: Jul 26, 1996
		Reported: Aug 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.5
Barium	6010	0.10	87
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	16
Lead	6010	1.0	12
Mercury	7471	0.0020	0.0066
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 15, 1996
4636 E. University Drive, Ste. 145		Received: Jul 16, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-TL1	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071132	Analyzed: Jul 26, 1996
		Reported: Aug 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.1
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	11
Lead	6010	1.0	3.1
Mercury	7471	0.0020	0.0075
Selenium	6010	1.0	1.5
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 15, 1996
4636 E. University Drive, Ste. 145		Received: Jul 16, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-TL2	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071133	Analyzed: Jul 26, 1996
		Reported: Aug 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.6
Barium	6010	0.10	110
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	20
Lead	6010	1.0	4.3
Mercury	7471	0.0020	0.0068
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 15, 1996
4636 E. University Drive, Ste. 145		Received: Jul 16, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-TL3	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071134	Analyzed: Jul 26, 1996
		Reported: Aug 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.1
Barium	6010	0.10	70
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	19
Lead	6010	1.0	4.5
Mercury	7471	0.0020	0.0069
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 6, 1996
Analyzed: Aug 6, 1996
Reported: Aug 8, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 1, 1996
Analyzed: Aug 1, 1996
Reported: Aug 8, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 29, 1996
Analyzed: Jul 29, 1996
Reported: Aug 8, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	104%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 30, 1996
Analyzed: Jul 30, 1996
Reported: Aug 8, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 26, 1996
Analyzed: Jul 26, 1996
Reported: Aug 8, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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CORRECTIVE ACTION REPORT

Department: GC
Method: 8010/8020
Date: 7/30/96

Client: Hydro-Search, Inc.
Project: 808708313-1005
Matrix: Soil

Identification and Definition of Problem:

Matrix Spike concentrations for all compounds had low recoveries and were out of QC acceptance limits. Matrix Spike Duplicate recoveries were within acceptance limits.

Determination of the Cause of the Problem:

Inconsistent spiking techniques.

Corrective Action:

An audit of the analysts procedures was performed. The midpoint and LCS were within QC acceptance limits thus validating the analytical batch.

Jennifer A. Vilaboy: J A Vilaboy Date: 7/30/96
Laboratory Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 7/30/96

Sample #: P6071320

Batch #: FG307B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	50	44	53	88%	106%	19	97%	≤ 25	70-130
Chloroform	0	50	35	44	69%	88%	24	78%	≤ 25	70-130
1,1-Dichloroethane	0	50	33	41	66%	81%	21	74%	≤ 25	70-130
1,2-Dichloroethane	0	50	33	40	65%	81%	21	73%	≤ 25	70-130
-Dichloroethene	0	50	32	43	64%	86%	29	75%	≤ 25	70-130
Tetrachloroethene	0	50	36	46	72%	92%	25	82%	≤ 25	70-130
Toluene	11	50	51	59	80%	95%	17	88%	≤ 25	70-130
Trichloroethene	6.2	50	36	46	60%	79%	27	70%	≤ 25	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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LCS DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 07/30/96

Batch #: FG307B1S

Analyte	Spike Conc.	Result	% Recovery	ACP
Benzene	5.0	5.6	112	80 - 120 %
Chloroform	5.0	5.6	111	80 - 120 %
1,1-Dichloroethane	5.0	5.8	117	80 - 120 %
1,2-Dichloroethane	5.0	5.3	107	80 - 120 %
1,1-Dichloroethene	5.0	5.3	106	80 - 120 %
Tetrachloroethene	5.0	5.3	107	80 - 120 %
Toluene	5.0	5.4	108	80 - 120 %
Trichloroethene	5.0	5.8	115	80 - 120 %

Definition of Terms

LCS ..... Laboratory Control Sample
Spike Conc ..... Result of Sample Analysis
Result ..... Result of Laboratory Control Sample Analysis
%Recovery ..... Percent Recovery of LCS; ((Result - Spike Conc.) / Spike Conc.) X 100
ACP ..... Acceptance Limits for Percent Recovery

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CORRECTIVE ACTION REPORT

Department:	GC	Client:	Hydro-Search, Inc.
Method:	8010/8020	Project:	808708313/1005
Date:	7/29/96	Matrix:	Soil

Identification and Definition of Problem:

Matrix Spike and Matrix Spike Duplicate concentrations for 1,2-Dichoroethane and 1,1-Dichloroethene had low percent recoveries and were out of QC acceptance limits.

Determination of the Cause of the Problem:

The sample used for the matrix spike and matrix spike duplicate had high levels of these compounds thus causing matrix interference.

Corrective Action:

The midpoint and LCS were within QC acceptance limits thus validating the analytical batch.

Jennifer A. Vilaboy: JA Vilaboy Date: 7/29/96
Laboratory Manager

Del Mar Analytical

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 07/29/96

Sample #: P6070617

Batch #: FG297B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %		Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	45	46	91	92	0.77	91		≤12	70 - 130
Chloroform	0	50	37	37	74	75	1.4	74		≤20	70 - 130
1,1-Dichloroethane	0	50	36	36	72	71	0.75	71		≤17	70 - 130
1,2-Dichloroethane	0	50	34	34	68	68	0.17	68	*	≤25	70 - 130
1,1-Dichloroethene	0	50	33	35	66	69	5.2	68	*	≤18	70 - 130
Tetrachloroethene	0	50	38	39	76	77	2.1	77		≤25	70 - 130
Toluene	9.3	50	49	50	79	81	2.1	80		≤25	70 - 130
Trichloroethene	0	50	39	39	77	79	1.8	78		≤12	70 - 130

* QC results are not within acceptance limits
When applicable, see corrective action report

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

Del Mar Analytical

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/06/96

Sample #: P6071057

Batch #: FH067B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	55	53	111	106	4.0	108	≤25	70 - 130
Chloroform	0	50	49	45	98	89	9.0	94	≤25	70 - 130
1,1-Dichloroethane	0	50	43	40	87	80	8.4	83	≤25	70 - 130
2-Dichloroethane	0	50	45	41	91	82	9.8	86	≤25	70 - 130
1,1-Dichloroethene	0	50	46	42	93	84	10	89	≤25	70 - 130
Tetrachloroethene	3.5	50	50	47	92	86	6.6	89	≤22	70 - 130
Toluene	7.8	50	60	57	105	99	5.9	102	≤25	70 - 130
Trichloroethene	0	50	55	49	110	99	10	104	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/26/96

SAMPLE # P6071130

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	6.6	5.0	11.7	11.7	102%	102%	0.0%	102%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6010/7000	TCLP 8010/8020	TCLP 8 RCRA 6010/7000						Special Instructions
TT2-8I	S	VOA Jar	2	7/23/96 1206	Methanol/4°C	X	X								
TT2-8J	S		2	7/23/96 1208	Methanol 4°C	X	X								
ST2-SL-10'	S		2	7/23/96 1424	" "	X	X	X	X						
TRIP BLANK (6/11)	L	1VOA	1												

Run Hold Samples for 8010/8020 & RCRA Metals ← HOLD

Relinquished By: Matthew Conway Date /Time: 7/23/96 16:08

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: [illegible] Date /Time: 7/23/96 4:08pm

Turnaround Time: (check)
same day ___ 72 hours ___
24 hours ___ 5 days ___
48 hours ___ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search Inc

Project/PO Number: 8087082313/1005/1004

Project Manager/Phone Number: Steve Smith 894-2500

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	BTEX Metals 6010/7000								Special Instructions
TT2-TL1	S	VOA JAR	2	7.17.96 11:17		X	X								→ HOLD
TT2-1A				7/17 1143		X	X								
TT2-1B				7/17 1145		X	X								
TT2-1C				7/17 1147		X	X								
TT2-1D				7/17 1149		X	X								
TT2-1E				7/17 1151		X	X								— Composite
TT2-1F				7/17 1153		X	X								
TT2-1G				7/17 1153		X	X								
TT2-1H				7/17 1155		X	X								
TT2-1I				7/17 1157		X	X								
TT2-1J				7/17 1159		X	X								
Trip Blank															→ HOLD

Run Hold Samples for 8010/8020 & Total Metals

Relinquished By: Matthew Conway — Date /Time: 7/17/96 18:27
Received by: [signature] — Date /Time: 7/17/96 1828

Relinquished By: [signature] — Date /Time: 7/18/96 925
Received by: — Date /Time:

Relinquished By: — Date /Time:
Received in Lab by: [signature] — Date /Time: 7/18/96 925

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

...le(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: 808708313 / 1005 / 1004

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: M. Gonzalez

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	RCRA METALS 6010/7000					HOLD		Special Instructions
TT3-1A	S	VOA Jar	2	7.15.96 1340		X	X							
TT3-1B			2	7.15.96 1345		X	X							
TT3-1C			2	7.15.96 1350		X	X							
ST3-TL1			2	7.15.96 14:30		X	X					X		Hold Until
ST3-TL2			2	7.15.96 1515		X	X					X		Further Notice
ST3-TL3			2	7.15.96 1653		X	X					X		per Matt
TT3-1D			2	7.15.96 17:10		X	X							7-16-96 11:30 AM
TT3-1E			2	7.15.96 17:34		X	X							Run Hold
TT3-1F			2	7.15.96 17:34		X	X							Samples For
TT3-1G			2	7.15.96 17:34		X	X							8010/8020 &
TT3-1H			2	7.15.96 17:34		X	X							RCRA Metals
TT3-1I			2	7.15.96 17:34		X	X							
TT3-1J			2	7.15.96 17:34		X	X							
TRIP BLANK			1			X								Hold

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Gonzalez	7.15.96 / 18:17	[signature]	7/15/96 / 18:17
[signature]	7/16/96 / 9:40		
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		[signature]	7/16/96 9:40 AM

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch Inc

Project/PO Number: 808108313/1004

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
TT2-5D	S	40A Jar	2	7/19 1344		X	X								HOLD
TT2-5E				7/19 1346		X	X								HOLD
TT2-5F				7/19 1348		X	X								HOLD
TT2-5G				7/19 1350		X	X						CANCEL HOLDS		HOLD
TT2-5H				7/19 1352		X	X								HOLD
TT2-5I				7/19 1354		X	X								HOLD per client
TRIP BLANK															HOLD
									Composite MEC						KEEP HOLD ON TRIP BLANK
												Run for 8010/8020			

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	7/19/96 17:00			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal X
...uished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[illegible]	7/19/96 17:00	intact ✓	on ice ✓

...(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search

Project/PO Number: 808708313/~~1004~~ 1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6010/7000							Special Instructions
TTI-3H	S	VOA jar	2	7/18 1429		X	X							
TTI-3I				7/18 1430		X	X							
TTI-3J				7/18 1431		X	X							
TTI-SS~~B~~ 1				7/18 1432		X	X							
Trip Blank			1								Run For 8010/8020			~~HOLD~~
TTI-FB1			~~1~~ 3	7/18 1433		X								
TTI-RB1			2	7/18 1450		X	X							

Relinquished By: Matthew Conway Date/Time: 7/18/96 1558
Received by: Date/Time:

Relinquished By: Date/Time:
Received by: Date/Time:

Relinquished By: Date/Time:
Received in Lab by: Dawn Doherty Date/Time: 7/18/96 1558

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Sample(s) will be disposed of after 30 days.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/26/96

Sample #: P6050868

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	1.4	50	42	41	81%	79%	2.4%	80%
Barium	58	50	110	110	104%	104%	0.0%	104%
Cadmium	0.30	50	45	45	89%	89%	0.0%	89%
Chromium	21	50	63	59	84%	76%	6.6%	80%
Lead	3.0	50	46	46	86%	86%	0.0%	86%
Nickel	10	50	54	54	88%	88%	0.0%	88%
Selenium	0.25	50	40	41	80%	82%	2.5%	81%
Silver	0.036	50	40	40	80%	80%	0.0%	80%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/01/96

Sample #: P6071320

Batch #: FH017B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	50	48	99	95	4.2	97	≤25	70 - 130
Chloroform	0	50	43	40	86	81	6.8	84	≤25	70 - 130
1,1-Dichloroethane	0	50	41	35	82	71	15	77	≤25	70 - 130
1,2-Dichloroethane	0	50	38	37	77	74	3.6	75	≤25	70 - 130
1,1-Dichloroethene	0	50	40	35	80	70	13	75	≤25	70 - 130
Tetrachloroethene	0	50	43	40	86	79	8.2	83	≤22	70 - 130
Toluene	0	50	58	55	116	111	4.5	113	≤25	70 - 130
Trichloroethene	0	50	46	42	91	85	6.9	88	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits ..... Determined by in-house Control Charts

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, MSD	Extracted: Jul 24, 1996
Attention: Steve Smith	Lab Number: 6071120	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	105%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

August 22 1996

Hydro-Search, Inc.
4636 E. University Dr., Ste. 145
Phoenix, AZ 85034

Attention: Steve Smith

Subject: TCLP 8010/8020

Project: 808708313/1005

Dear Mr. Smith:

On July 24, 1996 Del Mar Analytical received samples for Hydro-Search project 808708313/1005. These sample were sampled on July 24, 1996. From this set of samples, sample ST1-SL-8' was to be analyzed for TCLP 8010/8020. The sample was originally logged in for TCLP 8010/8020, however it was mistakenly deleted from the chemist's work list. Unfortunately, this mistake was not realized until after the sample hold time had expired. I apologize for any inconvenience caused by this error. If I can be of any further assistance do not hesitate to call.

Sincerely yours,

Del Mar Analytical

Lucas Menendez
Project Manager

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST1-SL-8'	Extracted: Jul 24, 1996
Attention: Steve Smith	Lab Number: 6071114	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	**50**	**92**
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**210**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	103%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 24, 1996
Attention: Steve Smith	Lab Number: 6071115	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Composite of TT4-1A, TT4-1B, TT4-1C, TT4-1D, TT4-1E, TT4-1F, TT4-1G, TT4-1H, TT4-1I, TT4-1J. These samples were composited in the lab prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 24, 1996
Attention: Steve Smith	Lab Number: 6071116	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Composite of TT4-2A, TT4-2B, TT4-2C, TT4-2D, TT4-2E, TT4-2F, TT4-2G, TT4-2H, TT4-2I, TT4-2J. These samples were composited in the lab prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 24, 1996
Attention: Steve Smith	Lab Number: 6071117	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Composite of TT4-3A, TT4-3B, TT4-3C, TT4-3D, TT4-3E, TT4-3F, TT4-3G, TT4-3H, TT4-3I, TT4-3J. These samples were composited in the lab prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 24, 1996
Attention: Steve Smith	Lab Number: 6071118	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Composite of TT4-4A, TT4-4B, TT4-4C. These samples were composited in the lab prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, MS	Extracted: Jul 24, 1996
Attention: Steve Smith	Lab Number: 6071119	Analyzed: Aug 6, 1996
		Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
MEOH MEC 11/6/96
Sample Descript: ~~Soil~~, Trip Blank
Lab Number: 6071121

Received: Jul 24, 1996
Extracted: Aug 6, 1996
Analyzed: Aug 6, 1996
Reported: Aug 7, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST1-SL-8'	Extracted: 7/26-8/5, 1996
Attention: Steve Smith	Lab Number: 6071114	Analyzed: 7/26-8/5, 1996
		Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.9
Barium	6010	0.10	210
Cadmium	6010	0.10	0.78
Chromium	6010	0.50	390
Lead	6010	1.0	41
Mercury	7471	10*	5,000
Selenium	6010	1.0	N.D.
Silver	6010	0.50	94

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by 5000.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 7/25-8/5, 1996
Attention: Steve Smith	Lab Number: 6071115	Analyzed: 7/25-8/5, 1996
		Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.6
Barium	6010	0.10	100
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	17
Lead	6010	1.0	3.0
Mercury	7471	0.0020	0.0065
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite of TT4-1A, TT4-1B, TT4-1C, TT4-1D, TT4-1E, TT4-1F, TT4-1G, TT4-1H, TT4-1I, TT4-1J. These samples were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 7/25-8/5, 1996
Attention: Steve Smith	Lab Number: 6071116	Analyzed: 7/25-8/5, 1996
		Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.4
Barium	6010	0.10	73
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	14
Lead	6010	1.0	3.0
Mercury	7471	0.0020	0.0060
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite of TT4-2A, TT4-2B, TT4-2C, TT4-2D, TT4-2E, TT4-2F, TT4-2G, TT4-2H, TT4-2I, TT4-2J. These samples were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 7/25-8/5, 1996
Attention: Steve Smith	Lab Number: 6071117	Analyzed: 7/25-8/5, 1996
		Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.9
Barium	6010	0.10	99
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	17
Lead	6010	1.0	3.4
Mercury	7471	0.0020	0.0056
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite of TT4-3A, TT4-3B, TT4-3C, TT4-3D, TT4-3E, TT4-3F, TT4-3G, TT4-3H, TT4-3I, TT4-3J. These samples were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 7/25-8/5, 1996
Attention: Steve Smith	Lab Number: 6071118	Analyzed: 7/25-8/5, 1996
		Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.8
Barium	6010	0.10	110
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	18
Lead	6010	1.0	3.4
Mercury	7471	0.0020	0.0055
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Composite of TT4-4A, TT4-4B, TT4-4C. These samples were composited in the lab prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, MS	Extracted: 7/25-8/7, 1996
Attention: Steve Smith	Lab Number: 6071119	Analyzed: 7/25-8/7, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.6
Barium	6010	0.10	110
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	19
Lead	6010	1.0	3.4
Mercury	7471	0.0020	0.0044
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 24, 1996
4636 E. University Drive, Ste. 145		Received: Jul 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, MSD	Extracted: 7/25-8/5, 1996
Attention: Steve Smith	Lab Number: 6071120	Analyzed: 7/25-8/5, 1996
		Reported: Aug 7, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.1
Barium	6010	0.10	100
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	17
Lead	6010	1.0	3.6
Mercury	7471	0.0020	0.0046
Selenium	6010	1.0	1.5
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: TCLP Extract of a Soil,ST1-SL-8'
Lab Number: 6071114

Sampled: Jul 24, 1996
Received: Jul 24, 1996
Extracted: 7/26-8/5, 1996
Analyzed: 7/26-8/5, 1996
Reported: Aug 7, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	0.29
Cadmium	6010	1.0	0.10	N.D.
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.10	N.D.
Silver	6010	5.0	0.50	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 6, 1996
Analyzed: Aug 6, 1996
Reported: Aug 7, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 7/25-8/7, 1996
Analyzed: 7/25-8/7, 1996
Reported: Aug 12, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/06/96

Sample #: P6071057

Batch #: FH067B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	55	53	111	106	4.0	108	≤25	70 - 130
Chloroform	0	50	49	45	98	89	9.0	94	≤25	70 - 130
1,1-Dichloroethane	0	50	43	40	87	80	8.4	83	≤25	70 - 130
2-Dichloroethane	0	50	45	41	91	82	9.8	86	≤25	70 - 130
1,1-Dichloroethene	0	50	46	42	93	84	10	89	≤25	70 - 130
Tetrachloroethene	3.5	50	50	47	92	86	6.6	89	≤22	70 - 130
Toluene	7.8	50	60	57	105	99	5.9	102	≤25	70 - 130
Trichloroethene	0	50	55	49	110	99	10	104	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/26/96

Sample #: P6071101

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.5	50	47	47	81%	81%	0.0%	81%
Barium	33	50	78	84	90%	102%	7.4%	96%
Cadmium	0	50	42	42	84%	84%	0.0%	84%
Chromium	11	50	51	52	80%	82%	1.9%	81%
Lead	2.2	50	43	43	82%	82%	0.0%	82%
Selenium	0.26	50	41	41	81%	81%	0.0%	81%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/5/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Barium	0.025	50	48	50	96%	100%	4.1%	98%
Copper	1.8	50	46	47	88%	90%	2.2%	89%
Silver	0.033	50	48	48	96%	96%	0.0%	96%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/26/96

SAMPLE # P6071130

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	6.6	5.0	11.7	11.7	102%	102%	0.0%	102%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/25/96

SAMPLE # P6071101

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	5.9	16.5	22	22	98%	98%	0.0%	98%

Definition of Terms:

1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8RCRA Metals 6010/7000	TCLP 8010/8020	TCLP 8RCRA Metals						Special Instructions
ST1-SL-~~10'~~ NEW -8'	S	VOA jar	2	7/24/96 0700	Methanol 4°C	X	X	X	X						
TT4-1A				7/24 0926		X	X								
TT4-1B				7/24 0928		X	X								
TT4-1C				7/24 0930		X	X								
TT4-1D				7/24 0932		X	X								
TT4-1E				7/24 0934		X	X								
TT4-1F				7/24 0936		X	X								
TT4-1G				7/24 0938		X	X								
TT4-1H				7/24 0940		X	X								
TT4-1I				7/24 0942		X	X								
TT4-1J				7/24 0944		X	X								
TT4-2A				7/24 1040		X	X								
TT4-2B				7/24 1042		X	X								
TT4-2C				7/24 1044		X	X								

Composite

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/24/96 4:55pm		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: [illegible]	Date /Time: 7/24/96 4:55pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO-Search, Inc

Project/PO Number: 808708313/1005

Project Manager/Phone Number: 894-2800 Steve Smith

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	Bkgd Metals 6010/7000								Special Instructions
TT4-2D	S	VOA jar	2	7/24/96 1046	Methanol 4°C	X	X			Composite:					
TT4-2E				7/24 1048		X	X			TT4-2A, 2B, 2C					
TT4-2F				7/24 1050		X	X			2D, 2E, 2F, 2G, 2H					
TT4-2G				7/24 1052		X	X			2I, 2J					
TT4-2H				7/24 1054		X	X								
TT4-2I				7/24 1056		X	X								
TT4-2J				7/24 1058		X	X								
TT4-3A				7/24 1344		X	X								
TT4-3B				7/24 1346		X	X								
TT4-3C				7/24 1348		X	X								
TT4-3D				7/24 1350		X	X								
TT4-3E				7/24 1352		X	X								
TT4-3F				7/24 1354		X	X								
TT4-3G				7/24 1356		X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/24/96 4:55pm		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		[illegible]	7/24/96 4:55 pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch, Inc

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	5 RCRA Metals 6010/7000								Special Instructions
TT4-3H	S	VOA jar	2	7/24 1358	methanol 4°C	X	X			composite:					
TT4-3I				7/24 1400		X	X			TT4-3A, 3B, 3C, 3D, 3E, 3F, 3G, 3H,					
TT4-3J				7/24 1402		X	X			3I, 3J					
TT4-4A				7/24 1522		X	X								
TT4-4B				7/24 1524		X	X			Composite					
TT4-4C				7/24 1526		X	X								
MS				7/24 1528		X	X								
MSD				7/24 1530		X	X								
TRIP BLANK	~~S~~	~~VOA~~	~~2~~			X									
	MEC Methanol	VOA	1												

Relinquished By: Matthew Conway Date/Time: 7/24/96 17:00
Received by: Date/Time:
Relinquished By: Date/Time:
Received by: Date/Time:
Relinquished By: Date/Time:
Received in Lab by: [illegible signature] Date/Time: 7/24/96 17:00

Turnaround Time: (check)
same day ___ 72 hours ___
24 hours ___ 5 days ___
48 hours ___ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Water, TT4-RB-1	Extracted: Jul 25, 1996
Attention: Steve Smith	Lab Number: 6071170	Analyzed: Aug 6, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	111%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 25, 1996
Attention: Steve Smith	Lab Number: 6071171	Analyzed: Aug 7, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

***Samples include TT4-5A, TT4-5B, TT4-5C, TT4-5D, TT4-5E, TT4-5F, TT4-5G, TT4-5H, TT-5I, TT4-5J were composited in the laboratory prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SL-1	Extracted: Jul 25, 1996
Attention: Steve Smith	Lab Number: 6071172	Analyzed: Aug 7, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SS-1	Extracted: Jul 25, 1996
Attention: Steve Smith	Lab Number: 6071173	Analyzed: Jul 25, 1996
		Reported: Jul 29, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	94%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 25, 1996
Attention: Steve Smith	Lab Number: 6071174	Analyzed: Aug 7, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

***Samples include TT4-6A, TT4-6B, TT4-6C, TT4-6D, were composited in the laboratory prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT4-FB-1	Extracted: Jul 25, 1996
Attention: Steve Smith	Lab Number: 6071175	Analyzed: Aug 7, 1996
		Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005

Sample Descript: Methanol, Trip Blank
Lab Number: 6071176

Received: Jul 25, 1996
Extracted: Aug 7, 1996
Analyzed: Aug 7, 1996
Reported: Aug 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Water, TT4-RB-1	Extracted: 7/26-8/5, 1996
Attention: Steve Smith	Lab Number: 6071170	Analyzed: 7/26-8/5, 1996
		Reported: Aug 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 25-26, 1996
Attention: Steve Smith	Lab Number: 6071171	Analyzed: Jul 26, 1996
		Reported: Aug 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.1
Barium	6010	0.10	110
Cadmium	6010	1.0**	N.D.
Chromium	6010	0.50	17
Lead	6010	1.0	4.4
Mercury	7471	0.0020	0.0061
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples include TT4-5A, TT4-5B, TT4-5C, TT4-5D, TT4-5E, TT4-5F, TT4-5G, TT4-5H, TT-5I, TT4-5J were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SL-1	Extracted: Jul 25-30, 1996
Attention: Steve Smith	Lab Number: 6071172	Analyzed: Jul 26-30, 1996
		Reported: Aug 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	2.3
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	0.63
Lead	6010	1.0	N.D.
Mercury	7471	0.020*	0.035
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SS-1	Extracted: Jul 25-26, 1996
Attention: Steve Smith	Lab Number: 6071173	Analyzed: Jul 26, 1996
		Reported: Jul 29, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	0.59
Barium	6010	0.10	65
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	2.3
Lead	6010	1.0	2.5
Mercury	7471	0.0020	0.026
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 25-26, 1996
Attention: Steve Smith	Lab Number: 6071174	Analyzed: Jul 26, 1996
		Reported: Aug 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.1
Barium	6010	0.10	59
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	12
Lead	6010	1.0	2.8
Mercury	7471	0.0020	0.015
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples include TT4-6A, TT4-6B, TT4-6C, TT4-6D, were composited in the laboratory prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Jul 25, 1996
4636 E. University Drive, Ste. 145		Received:	Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, ST4-SL-1	Extracted:	Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071172	Analyzed:	Aug 1, 1996
		Reported:	Aug 8, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit ~~mg/Kg~~ mg/L (ppm) MEC 11/6/96	Sample Result ~~mg/Kg~~ mg/L (ppm) MEC 11/6/96
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-Irvine (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	93%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: TCLP Extract of a Soil, ST4-SL-1
Lab Number: 6071172

Sampled: Jul 25, 1996
Received: Jul 25, 1996
Extracted: 7/31-8/14, 1996
Analyzed: 7/31-8/14, 1996
Reported: Aug 16, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	N.D.
Cadmium	6010	1.0	0.10	N.D.
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.10	N.D.
Silver	6010	5.0	0.50	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SS-1	Extracted: Jul 25-26, 1996
Attention: Steve Smith	Lab Number: 6071173	Analyzed: Jul 26, 1996
		Reported: Jul 29, 1996

TOTAL METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Copper	6010	5.0*	18,000
Nickel	6010	0.50	2.9

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 25, 1996
4636 E. University Drive, Ste. 145		Received: Jul 25, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SS-1	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071173	Analyzed: Jul 26, 1996
		Reported: Jul 29, 1996

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Amenable Cyanide	SM4500-CN-G	0.25	N.D.
Total Cyanide	SM4500-CN-C,E	0.25	N.D.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 5, 1996
Analyzed: Aug 5, 1996
Reported: Aug 8, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 25, 1996
Analyzed: Jul 25, 1996
Reported: Jul 29, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	94%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 6, 1996
Analyzed: Aug 6, 1996
Reported: Aug 8, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 7, 1996
Analyzed: Aug 7, 1996
Reported: Aug 8, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 7/25-8/5, 1996
Analyzed: 7/26-8/5, 1996
Reported: Aug 8, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 25-26, 1996
Analyzed: Jul 26, 1996
Reported: Jul 29, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 25-26, 1996
Analyzed: Jul 26, 1996
Reported: Jul 29, 1996
Matrix: Soil

TOTAL METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Copper	6010	0.50	N.D.
Nickel	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 8/5/96

Sample #: P6070966

Batch #: FH057B1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	5.3	4.9	105%	97%	8.0	101%	≤ 10	70-130
Chloroform	0	5.0	5.2	4.6	104%	92%	12	98%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	4.8	4.4	97%	87%	10	92%	≤ 11	70-130
1,2-Dichloroethane	0	5.0	5.1	4.4	101%	89%	13	95%	≤ 11	70-130
1,1-Dichloroethene	0	5.0	4.9	4.3	98%	87%	12	93%	≤ 10	70-130
Tetrachloroethene	0	5.0	5.4	4.9	109%	99%	10	104%	≤ 10	70-130
Toluene	0.18	5.0	4.9	4.6	95%	87%	8.6	91%	≤ 11	70-130
Trichloroethene	0	5.0	5.5	4.9	111%	97%	13	104%	≤ 10	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 07/25/96

Sample #: P6070617

Batch #: FG257B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	57	56	114	113	0.81	113	≤12	70 - 130
Chloroform	0	50	61	61	122	122	0.75	122	≤20	70 - 130
1,1-Dichloroethane	0	50	62	61	125	122	2.3	123	≤17	70 - 130
1,2-Dichloroethane	0	50	60	61	121	121	0.51	121	≤25	70 - 130
1,1-Dichloroethene	0	50	61	61	122	122	0.036	122	≤18	70 - 130
Tetrachloroethene	0	50	65	63	130	126	2.9	128	≤25	70 - 130
Toluene	0	50	61	60	123	120	2.0	121	≤25	70 - 130
Trichloroethene	0	50	64	65	127	129	1.6	128	≤12	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/06/96

Sample #: P6071057

Batch #: FH067B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	55	53	111	106	4.0	108	≤25	70 - 130
Chloroform	0	50	49	45	98	89	9.0	94	≤25	70 - 130
1,1-Dichloroethane	0	50	43	40	87	80	8.4	83	≤25	70 - 130
1,2-Dichloroethane	0	50	45	41	91	82	9.8	86	≤25	70 - 130
1,1-Dichloroethene	0	50	46	42	93	84	10	89	≤25	70 - 130
Tetrachloroethene	3.5	50	50	47	92	86	6.6	89	≤22	70 - 130
Toluene	7.8	50	60	57	105	99	5.9	102	≤25	70 - 130
Trichloroethene	0	50	55	49	110	99	10	104	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/07/96

Sample #: P6071272

Batch #: FH077B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	53	54	106	107	0.86	107	≤25	70 - 130
Chloroform	0	50	47	45	93	90	3.5	91	≤25	70 - 130
1,1-Dichloroethane	0	50	40	39	80	78	2.8	79	≤25	70 - 130
1,2-Dichloroethane	0	50	44	42	87	84	3.9	85	≤25	70 - 130
1,1-Dichloroethene	0	50	41	40	83	80	3.2	81	≤25	70 - 130
Tetrachloroethene	0	50	47	46	94	92	1.6	93	≤22	70 - 130
Toluene	18	50	57	58	78	79	1.2	79	≤25	70 - 130
Trichloroethene	0	50	49	48	97	96	1.6	96	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 8/5/96

Sample #: P6070912

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0	1000	1000	1000	100%	100%	0.0%	100%
Barium	51	1000	930	940	88%	89%	1.1%	88%
Cadmium	0	1000	900	910	90%	91%	1.1%	91%
Chromium	0	1000	920	930	92%	93%	1.1%	93%
Copper	0	1000	960	970	96%	97%	1.0%	97%
Lead	0	1000	880	890	88%	89%	1.1%	89%
Nickel	38	1000	920	920	88%	88%	0.0%	88%
Selenium	2.8	1000	1100	1100	110%	110%	0.0%	110%
Zinc	23	1000	1000	1000	98%	98%	0.0%	98%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 8/5/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Iron	7.4	1000	1000	1000	99%	99%	0.0%	99%
Silver	0.66	100	98	97	97%	96%	1.0%	97%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7470
Matrix: Water

DATE: 7/26/96

SAMPLE # P6071141

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.046	5.0	5.6	5.6	111%	111%	0.0%	111%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/26/96

Sample #: P6050868

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	1.4	50	42	41	81%	79%	2.4%	80%
Barium	58	50	110	110	104%	104%	0.0%	104%
Cadmium	0.30	50	45	45	89%	89%	0.0%	89%
Chromium	21	50	63	59	84%	76%	6.6%	80%
Lead	3.0	50	46	46	86%	86%	0.0%	86%
Nickel	10	50	54	54	88%	88%	0.0%	88%
Selenium	0.25	50	40	41	80%	82%	2.5%	81%
Silver	0.036	50	40	40	80%	80%	0.0%	80%

R1 . . . . . Result of Sample Analysis
Sp . . . . . Spike Concentration Added to Sample
MS . . . . . Matrix Spike Result
MSD . . . . . Matrix Spike Duplicate Result
PR1 . . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2 . . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD . . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/26/96

SAMPLE # P6071130

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	6.6	5.0	11.7	11.7	102%	102%	0.0%	102%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/30/96

SAMPLE # P6071282

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	7.7	16.5	26	26	111%	111%	0.0%	111%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/26/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0	50	48	43	96%	86%	11.0%	91%
Barium	0	50	47	46	94%	92%	2.2%	93%
Cadmium	0	50	47	46	94%	92%	2.2%	93%
Chromium	0	50	49	49	98%	98%	0.0%	98%
Copper	0.026	50	47	45	94%	90%	4.3%	92%
Lead	0	50	47	45	94%	90%	4.3%	92%
Nickel	0	50	47	46	94%	92%	2.2%	93%
Selenium	0	50	48	47	96%	94%	2.1%	95%
Silver	0	50	47	45	94%	90%	4.3%	92%

R1 . . . . . Result of Sample Analysis
Sp . . . . . Spike Concentration Added to Sample
MS . . . . . Matrix Spike Result
MSD . . . . . Matrix Spike Duplicate Result
PR1 . . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2 . . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD . . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: SM4500-CN-C,E
matrix: soil

DATE: 7/26/96

SAMPLE # FH03454

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Cyanide	0	0.10	0.10	0.10	100%	100%	0.0%	100%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: E08708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	EC/TC/8020 & MBX	8 RCRA Metals	TCLP 8010/8020	TCLP Metals	Amenable & Total CN, Hg, Cr				Special Instructions
TT4-RB-1	H2O	VOA jar	3	7/25/96 0720	HCL 4°C	X	X							
TT4-5A	S	VOA jar	2	7/25 0826	Methanol 4°C	X	X							
TT4-5B				7/25 0828		X	X							
TT4-5C				7/25 0830		X	X							
TT4-5D				7/25 0832		X	X			Composite				
TT4-5E				7/25 0834		X	X							
TT4-5F				7/25 0836		X	X							
TT4-5G				7/25 0838		X	X							
TT4-5H				7/25 0840		X	X							
TT4-5I				7/25 0842		X	X							
TT4-5J				7/25 0844		X	X							
ST4-SL-1				7/25 1125		X	X	X	X					
ST4-SS-1				7/25 1127		X	X			X	← only			← ASAP RUSH !!
TT4-6A				7/25 1200		X	X							

Relinquished By: Matthew Conway Date /Time: 7/25/96 2:00pm

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: [illegible] Date /Time: 7/25/96 2:04pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search Inc

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	EC10/8020	8 RCRA metals								Special Instructions
TT4-6B	S	VOA jar	2	7/25/96 1202	Methanol/ice	X	X								
TT4-6C	S	|	2	7/25 1204	|	X	X								Composite: TT4-6A, 6B, 6C, 6D
TT4-6D	S	|	2	7/25 1206	|	X	X								
TT4-FB-1	L	VOA	1	7/25 1208	|	X									
TRIP BLANK						X									

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	7/25/96 2:00pm			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		Allen Thu	7/25/96 2:00pm	intact ✓	on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005

Sample Descript: Soil, ST4-SL-1
Lab Number: R6071172

Sampled: Jul 25, 1996
Relogged: Jul 26, 1996
Extracted: Aug 5, 1996
Analyzed: Aug 5, 1996
Reported: Aug 14, 1996

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Amenable Cyanide	SM4500-CN-G	0.25	N.D.
Total Cyanide	SM4500-CN-C,E	0.25	N.D.

Analysis was completed at Del Mar Analytical-IRVINE (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Denise Van Rooy
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005

Sample Descript: Soil, ST4-SL-1
Lab Number: R6071172

Sampled: Jul 25, 1996
Relogged: Jul 26, 1996
Extracted: Jul 26, 1996
Analyzed: Jul 26, 1996
Reported: Aug 14, 1996

TOTAL METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Copper	6010	0.50	24
Nickel	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Denise Van Rooy
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Jul 26, 1996
Analyzed: Jul 26, 1996
Reported: Aug 14, 1996
Matrix: Soil

TOTAL METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Copper	6010	0.50	N.D.
Nickel	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Denise Van Rooy
Project Manager

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/26/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Copper	2.5	50	49	48	93%	91%	2.1%	92%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 7/26/96

Sample #: P6050868

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	1.4	50	42	41	81%	79%	2.4%	80%
Barium	58	50	110	110	104%	104%	0.0%	104%
Cadmium	0.30	50	45	45	89%	89%	0.0%	89%
Chromium	21	50	63	59	84%	76%	6.6%	80%
Lead	3.0	50	46	46	86%	86%	0.0%	86%
Nickel	10	50	54	54	88%	88%	0.0%	88%
Selenium	0.25	50	40	41	80%	82%	2.5%	81%
Silver	0.036	50	40	40	80%	80%	0.0%	80%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: 8087083B/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020 & MEC	8 RCRA METALS	TCLP 8010/8020	TCLP Metals	Amenable & TOTAL CN, Ni, Cu					Special Instructions
TT4-RB-1	H_2O	VOA jar	3	7/25/96 0720	HCL 4°C	X	X								
TT4-5A	S	VOA jar	2	7/25 0826	Methanol 4°C	X	X								
TT4-5B				7/25 0828		X	X								
TT4-5C				7/25 0830		X	X								
TT4-5D				7/25 0832		X	X			Composite					
TT4-5E				7/25 0834		X	X								
TT4-5F				7/25 0836		X	X								
TT4-5G				7/25 0838		X	X								
TT4-5H				7/25 0840		X	X								
TT4-5I				7/25 0842		X	X								
TT4-5J				7/25 0844		X	X								
ST4-SL-1				7/25 1125		X	X	X	X	X					
ST4-SS-1				7/25 1127		X	X			X	← only			← ASAP RUSH !!	
TT4-6A				7/25 1200		X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	7/25/96 2:00pm			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		Allen Hill	7/25/96 2:00pm	intact ✓	on ice ✓

[illegible] disposed of after 30 days.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071270	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Composite of TP1-1A, TP1-1B, TP1-1C, TP1-1D, TP1-1E. These samples were composited in the lab prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Water, TP1-RB1	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071271	Analyzed: Aug 6, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	109%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP2-15	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071272	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	95%
aaa-Trifluorotoluene	101%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP2-2-11NW	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071273	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP2-2-11SE	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071274	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	116%
aaa-Trifluorotoluene	106%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: MEOH, TP2-FB-1	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071275	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071276	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Composite of TP2-1A, TP2-1B, TP2-1C, TP2-1D, TP2-1E. These samples were composited in the lab prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Methanol, Trip Blank
Lab Number: 6071277

Received: Jul 26, 1996
Extracted: Aug 7, 1996
Analyzed: Aug 7, 1996
Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT4-SS-2	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071278	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071279	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Composite of TT4-7A, TT4-7B, TT4-7C, TT4-7D, TT4-7E, TT4-7F. These samples were composited in the lab prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP1-15	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071280	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	104%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP1-1-12E	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071281	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP1-1-12W	Extracted: Jul 26, 1996
Attention: Steve Smith	Lab Number: 6071282	Analyzed: Aug 7, 1996
		Reported: Aug 12, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071270	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.2
Barium	6010	0.10	80
Cadmium	6010	0.10	0.29
Chromium	6010	0.50	18
Lead	6010	1.0	4.3
Mercury	7471	0.0020	0.0042
Selenium	6010	1.0	N.D.
Silver	6010	5.0**	N.D.

***Composite of TP1-1A, TP1-1B, TP1-1C, TP1-1D, TP1-1E. These samples were composited in the lab prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Water, TP1-RB1	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071271	Analyzed: Aug 5-6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP2-15	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071272	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.7
Barium	6010	0.10	57
Cadmium	6010	0.10	0.35
Chromium	6010	0.50	18
Lead	6010	1.0	4.4
Mercury	7471	0.0020	0.0020
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP2-2-11NW	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071273	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.3
Barium	6010	0.10	89
Cadmium	6010	0.10	0.35
Chromium	6010	0.50	18
Lead	6010	1.0	4.5
Mercury	7471	0.0020	0.0054
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP2-2-11SE	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071274	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.1
Barium	6010	0.10	78
Cadmium	6010	0.10	0.40
Chromium	6010	0.50	19
Lead	6010	1.0	5.4
Mercury	7471	0.0020	0.0058
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071276	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	9.7
Barium	6010	0.10	99
Cadmium	6010	0.10	0.33
Chromium	6010	0.50	20
Lead	6010	1.0	5.1
Mercury	7471	0.0020	0.0044
Selenium	6010	1.0	N.D.
Silver	6010	5.0**	N.D.

***Composite of TP2-1A, TP2-1B, TP2-1C, TP2-1D, TP2-1E. These samples were composited in the lab prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT4-SS-2	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071278	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	1.5
Barium	6010	0.10	25
Cadmium	6010	0.10	0.13
Chromium	6010	0.50	5.4
Lead	6010	1.0	7.0
Mercury	7471	0.020*	0.25
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071279	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.5
Barium	6010	0.10	40
Cadmium	6010	0.10	0.10
Chromium	6010	0.50	7.3
Lead	6010	1.0	3.9
Mercury	7471	0.020**	0.21
Selenium	6010	1.0	N.D.
Silver	6010	5.0**	N.D.

***Composite of TT4-7A, TT4-7B, TT4-7C, TT4-7D, TT4-7E, TT4-7F. These samples were composited in the lab prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP1-15	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071280	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.4
Barium	6010	0.10	91
Cadmium	6010	0.10	0.50
Chromium	6010	0.50	21
Lead	6010	1.0	5.8
Mercury	7471	0.0020	0.0024
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP1-1-12E	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071281	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.4
Barium	6010	0.10	85
Cadmium	6010	0.10	0.35
Chromium	6010	0.50	17
Lead	6010	1.0	5.1
Mercury	7471	0.0020	0.0048
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 26, 1996
4636 E. University Drive, Ste. 145		Received: Jul 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP1-1-12W	Extracted: 7/29-8/6, 1996
Attention: Steve Smith	Lab Number: 6071282	Analyzed: 7/30-8/6, 1996
		Reported: Aug 12, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.6
Barium	6010	0.10	120
Cadmium	6010	0.10	0.52
Chromium	6010	0.50	26
Lead	6010	1.0	5.9
Mercury	7471	0.0020	0.0077
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 7, 1996
Analyzed: Aug 7, 1996
Reported: Aug 12, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 5, 1996
Analyzed: Aug 5, 1996
Reported: Aug 12, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	104%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 7/29-8/6, 1996
Analyzed: 7/30-8/6, 1996
Reported: Aug 12, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 7/29-8/6, 1996
Analyzed: 7/30-8/6, 1996
Reported: Aug 12, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 8/5/96
Sample #: P6070966
Batch #: FH057B1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	5.3	4.9	105%	97%	8.0	101%	≤ 10	70-130
Chloroform	0	5.0	5.2	4.6	104%	92%	12	98%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	4.8	4.4	97%	87%	10	92%	≤ 11	70-130
1,2-Dichloroethane	0	5.0	5.1	4.4	101%	89%	13	95%	≤ 11	70-130
-Dichloroethene	0	5.0	4.9	4.3	98%	87%	12	93%	≤ 10	70-130
Tetrachloroethene	0	5.0	5.4	4.9	109%	99%	10	104%	≤ 10	70-130
Toluene	0.18	5.0	4.9	4.6	95%	87%	8.6	91%	≤ 11	70-130
Trichloroethene	0	5.0	5.5	4.9	111%	97%	13	104%	≤ 10	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/07/96

Sample #: P6071272

Batch #: FH077B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	53	54	106	107	0.86	107	≤25	70 - 130
Chloroform	0	50	47	45	93	90	3.5	91	≤25	70 - 130
1,1-Dichloroethane	0	50	40	39	80	78	2.8	79	≤25	70 - 130
1,2-Dichloroethane	0	50	44	42	87	84	3.9	85	≤25	70 - 130
1,1-Dichloroethene	0	50	41	40	83	80	3.2	81	≤25	70 - 130
Tetrachloroethene	0	50	47	46	94	92	1.6	93	≤22	70 - 130
Toluene	18	50	57	58	78	79	1.2	79	≤25	70 - 130
Trichloroethene	0	50	49	48	97	96	1.6	96	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 8/5/96

Sample #: P6071242

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	1.6	1000	1100	1100	110%	110%	0.0%	110%
Barium	67	1000	1100	1100	103%	103%	0.0%	103%
Cadmium	1.6	1000	1000	1000	100%	100%	0.0%	100%
Calcium	59000	20000	79000	79000	100%	100%	0.0%	100%
Chromium	260	1000	1000	1000	74%	74%	0.0%	74%
Copper	0	1000	930	940	93%	94%	1.1%	94%
Lead	8.2	1000	1000	1000	99%	99%	0.0%	99%
Magnesium	18000	10000	28000	28000	100%	100%	0.0%	100%
Manganese	7.5	1000	1000	1000	99%	99%	0.0%	99%
Nickel	160	1000	960	970	80%	81%	1.0%	81%
Selenium	0.35	1000	1100	1200	110%	120%	8.7%	115%
Sodium	51000	50000	110000	110000	118%	118%	0.0%	118%
Zinc	19	1000	1100	1100	108%	108%	0.0%	108%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 245.1
Matrix: Water

DATE: 8/6/96

SAMPLE # P6080056

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.59	5.0	5.4	5.4	96%	96%	0.0%	96%

[redacted]

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/9/96

Sample #: P6071272

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.6	50	51	52	89%	91%	1.9%	90%
Barium	57	50	110	110	106%	106%	0.0%	106%
Cadmium	0.35	50	45	46	89%	91%	2.2%	90%
Chromium	18	50	59	60	82%	84%	1.7%	83%
Lead	4.4	50	49	50	89%	91%	2.0%	90%
Selenium	0.15	50	44	45	88%	90%	2.2%	89%
Silver	0	50	41	42	82%	84%	2.4%	83%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 7/30/96

SAMPLE # P6071282

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	7.7	16.5	26	26	111%	111%	0.0%	111%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search, Inc

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
TT4-SS-2	S	VOA jar	2	7/26/96 0911	Methanol 4oc	X	X								
TT4-7A				7/26 0913		X	X								
TT4-7B				7/26 0915		X	X								
TT4-7C				7/26 0917		X	X								
TT4-7D				7/26 0919		X	X								
TT4-7E				7/26 0921		X	X								
TT4-7F				7/26 0923		X	X								
TP-1-15				7/26 1125		X	X								
TP-1-12E				7/26 1127		X	X								
TP-1-12W				7/26 1129		X	X								
TP1-1A				7/26 1132		X	X								
TP1-1B				7/26 1134		X	X								
TP1-1C				7/26 1136		X	X								
TP1-1D				7/26 1138		X	X								

Composite

Relinquished By: Matthew Conway Date/Time: 7/26/95 3:20pm

Received by: Date/Time:

Relinquished By: Date/Time:

Received by: Date/Time:

Relinquished By: Date/Time:

Received in Lab by: [illegible] Date/Time: 7/26/96 3:20pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HyDRO-Search, Inc

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	BTEX Meth								Special Instructions
TP1-1E	S	VOA jar	2	7-26-96 1140	Methanol 4°C	X	X		composite TP1-1A, 1B, 1C, 1D, 1E						
TP1-RB1	H2O	VOA jar	3	7-26-96 1241	HCL 4°C	X	X								
~~TP2~~ MEC -15	S	VOA jar	2	7-26 1326	Methanol 4°C	X	X								
TP2-2-11NW	S	|	2	7/26 1328	|	X	X								
TP2-2-11SE MEC	S	|	2	7/26 1335	|	X	X								
TP2-FB-1 MEC	Meth	VOA	1	7/26 1334	|	X									
TP2-1A	S	VOA jar	2	7/26 1340	|	X	X	composite							
TP2-1B	|	|	|	7/26 1342	|	X	X								
TP2-1C	|	|	|	7/26 1344	|	X	X								
TP2-1D	|	|	|	7/26 1346	|	X	X								
TP2-1E	|	|	|	7/26 1348	|	X	X								
Trip Blank	Meth	VOA	1	~~1350~~ MEC	|	X									

Relinquished By: Matthew Conway Date/Time: 7/26/96 3:20 pm

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: Ali T. Thi Date /Time: 7/26/96 3:20pm.

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ____

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP3-2.5	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071334	Analyzed: Aug 7, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP3-2.0E	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071335	Analyzed: Aug 8, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP3-2.0W	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071336	Analyzed: Aug 8, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP3-1A	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071337	Analyzed: Aug 8, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Water, TP4-RB-1	Extracted: Aug 13, 1996
Attention: Steve Smith	Lab Number: 6071338	Analyzed: Aug 13, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
1-Chloro-3-fluorobenzene	103%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, TP4-FB-1	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071339	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP4-15	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071340	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP4-12W	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071341	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP4-12E	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071342	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071343	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TP4-1A, TP4-1B, TP4-1C, TP4-1D & TP4-1E were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6B-15	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071344	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6B-12N	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071345	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6B-12S	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071346	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071347	Analyzed: Aug 9, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TP6B-1A, TP6B-1B, TP6B-1C, TP6B-1D & TP6B-1E were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	92%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, TP6B-FB-1	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071348	Analyzed: Aug 10, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071349	Analyzed: Aug 10, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TP10-1A, TP10-1B, TP10-1C, TP10-1D & TP10-1E were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, TP10-FB-1	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071350	Analyzed: Aug 10, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	95%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Water, TP10-RB-1	Extracted: Aug 13, 1996
Attention: Steve Smith	Lab Number: 6071351	Analyzed: Aug 13, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP7-15	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071352	Analyzed: Aug 10, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP7-12W	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071353	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP7-12E	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071354	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071355	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TP7-1A, TP7-1B, TP7-1C, TP7-1D & TP7-1E were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-15	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071356	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-12W	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071357	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-12E	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071358	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-MS	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071359	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071361	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TP9-1A, TP9-1B, TP9-1C, TP9-1D & TP9-1E were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-MSD	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071360	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP10-15	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071362	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP10-12N	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071363	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP10-12S	Extracted: Jul 30, 1996
Attention: Steve Smith	Lab Number: 6071364	Analyzed: Aug 12, 1996
		Reported: Aug 14, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP3-2.5	Extracted: 7/31-8/1, 1996
Attention: Steve Smith	Lab Number: 6071334	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.1
Barium	6010	0.10	140
Cadmium	6010	0.10	0.45
Chromium	6010	0.50	22
Lead	6010	1.0	6.6
Mercury	7471	0.0020	0.0079
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP3-2.0E	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071335	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.6
Barium	6010	0.10	130
Cadmium	6010	0.10	0.45
Chromium	6010	0.50	24
Lead	6010	1.0	7.1
Mercury	7471	0.0020	0.0092
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005

Sample Descript: Soil, TP3-2.0W
Lab Number: 6071336

Sampled: Jul 30, 1996
Received: Jul 30, 1996
Extracted: Jul 31, 1996
Analyzed: Aug 1-7, 1996
Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.6
Barium	6010	0.10	110
Cadmium	6010	0.10	0.32
Chromium	6010	0.50	18
Lead	6010	1.0	5.5
Mercury	7471	0.0020	0.011
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP3-1A	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071337	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	13
Barium	6010	0.10	130
Cadmium	6010	0.10	0.52
Chromium	6010	0.50	24
Lead	6010	1.0	7.3
Mercury	7471	0.0020	0.011
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Water, TP4-RB-1	Extracted: 7/31-8/6, 1996
Attention: Steve Smith	Lab Number: 6071338	Analyzed: Aug 6, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP4-15	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071340	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	9.2
Barium	6010	0.10	91
Cadmium	6010	0.10	0.31
Chromium	6010	0.50	21
Lead	6010	1.0	6.5
Mercury	7471	0.0020	0.0024
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP4-12W	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071341	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.7
Barium	6010	0.10	85
Cadmium	6010	0.10	0.31
Chromium	6010	0.50	16
Lead	6010	1.0	6.5
Mercury	7471	0.0020	0.0074
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP4-12E	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071342	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.7
Barium	6010	0.10	120
Cadmium	6010	0.10	0.42
Chromium	6010	0.50	23
Lead	6010	1.0	7.1
Mercury	7471	0.0020	0.015
Selenium	6010	1.0	1.2
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071343	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.4
Barium	6010	0.10	140
Cadmium	6010	0.10	0.27
Chromium	6010	0.50	17
Lead	6010	1.0	6.5
Mercury	7471	0.0020	0.0060
Selenium	6010	1.0	N.D.
Silver	6010	5.0**	N.D.

***Samples TP4-1A, TP4-1B, TP4-1C, TP4-1D & TP4-1E were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6B-15	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071344	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.8
Barium	6010	0.10	100
Cadmium	6010	0.10	0.30
Chromium	6010	0.50	17
Lead	6010	1.0	6.0
Mercury	7471	0.0020	0.0039
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6B-12N	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071345	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.1
Barium	6010	0.10	110
Cadmium	6010	0.10	0.27
Chromium	6010	0.50	19
Lead	6010	1.0	5.8
Mercury	7471	0.0020	0.0053
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6B-12S	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071346	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.6
Barium	6010	0.10	85
Cadmium	6010	0.10	0.30
Chromium	6010	0.50	15
Lead	6010	1.0	5.7
Mercury	7471	0.0020	0.0082
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071347	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	1.0
Barium	6010	0.10	110
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	13
Lead	6010	1.0	4.4
Mercury	7471	0.0020	0.0052
Selenium	6010	1.0	N.D.
Silver	6010	5.0**	N.D.

***Samples TP6B-1A, TP6B-1B, TP6B4-1C, TP6B-1D & TP6B-1E were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 7/31-8/1, 1996
Attention: Steve Smith	Lab Number: 6071349	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	90
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	14
Lead	6010	1.0	4.1
Mercury	7471	0.0020	0.0072
Selenium	6010	1.0	N.D.
Silver	6010	5.0**	N.D.

***Samples TP10-1A, TP10-1B, TP10-1C, TP10-1D & TP10-1E were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Water, TP10-RB-1	Extracted: 7/31-8/6, 1996
Attention: Steve Smith	Lab Number: 6071351	Analyzed: Aug 6, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP7-15	Extracted: 7/31-8/1, 1996
Attention: Steve Smith	Lab Number: 6071352	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.6
Barium	6010	0.10	140
Cadmium	6010	0.10	0.24
Chromium	6010	0.50	16
Lead	6010	1.0	5.6
Mercury	7471	0.0020	0.0031
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP7-12W	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071353	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.2
Barium	6010	0.10	86
Cadmium	6010	0.10	0.30
Chromium	6010	0.50	15
Lead	6010	1.0	6.0
Mercury	7471	0.0020	0.0055
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP7-12E	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071354	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.5
Barium	6010	0.10	96
Cadmium	6010	0.10	0.44
Chromium	6010	0.50	16
Lead	6010	1.0	6.0
Mercury	7471	0.0020	0.0067
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071355	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.6
Barium	6010	0.10	98
Cadmium	6010	0.10	0.43
Chromium	6010	0.50	18
Lead	6010	1.0	6.6
Mercury	7471	0.0020	0.0062
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TP7-1A, TP7-1B, TP7-1C, TP7-1D & TP7-1E were composited in the laboratory prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-15	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071356	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	10
Barium	6010	0.10	200
Cadmium	6010	0.10	0.36
Chromium	6010	0.50	18
Lead	6010	1.0	6.0
Mercury	7471	0.0020	0.0034
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-12W	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071357	Analyzed: Aug 1-7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.2
Barium	6010	0.10	130
Cadmium	6010	0.10	0.47
Chromium	6010	0.50	24
Lead	6010	1.0	6.3
Mercury	7471	0.0020	0.0081
Selenium	6010	1.0	1.1
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-12E	Extracted: 7/31-8/7, 1996
Attention: Steve Smith	Lab Number: 6071358	Analyzed: Aug 7, 1996
		Reported: Aug 14, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.5
Barium	6010	0.10	110
Cadmium	6010	0.10	0.44
Chromium	6010	0.50	22
Lead	6010	1.0	6.9
Mercury	7471	0.0020	0.0072
Selenium	6010	1.0	1.4
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-MS	Extracted: Aug 1-7, 1996
Attention: Steve Smith	Lab Number: 6071359	Analyzed: Aug 7-14, 1996
		Reported: Aug 19, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.1
Barium	6010	0.10	92
Cadmium	6010	0.10	0.41
Chromium	6010	0.50	19
Lead	6010	1.0	3.7
Mercury	7471	0.0020	0.0053
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP9-MSD	Extracted: Aug 1-7, 1996
Attention: Steve Smith	Lab Number: 6071360	Analyzed: Aug 7-14, 1996
		Reported: Aug 19, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.3
Barium	6010	0.10	93
Cadmium	6010	0.10	0.29
Chromium	6010	0.50	17
Lead	6010	1.0	2.7
Mercury	7471	0.0020	0.0048
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 1-7, 1996
Attention: Steve Smith	Lab Number: 6071361	Analyzed: Aug 7-14, 1996
		Reported: Aug 19, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.9
Barium	6010	0.10	96
Cadmium	6010	0.10	0.41
Chromium	6010	0.50	18
Lead	6010	1.0	3.2
Mercury	7471	0.0020	0.0065
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TP9-1A, TP9-1B, TP9-1C, TP9-1D, TP9-1E were composited in the laboratory prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP10-15	Extracted: Aug 1-8, 1996
Attention: Steve Smith	Lab Number: 6071362	Analyzed: Aug 1-8, 1996
		Reported: Aug 19, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	13
Barium	6010	0.10	98
Cadmium	6010	0.10	0.41
Chromium	6010	0.50	17
Lead	6010	1.0	2.8
Mercury	7471	0.0020	0.0021
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 30, 1996
4636 E. University Drive, Ste. 145		Received: Jul 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP10-12N	Extracted: Aug 1-8, 1996
Attention: Steve Smith	Lab Number: 6071363	Analyzed: Aug 1-8, 1996
		Reported: Aug 19, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.4
Barium	6010	0.10	87
Cadmium	6010	0.10	0.55
Chromium	6010	0.50	20
Lead	6010	1.0	3.8
Mercury	7471	0.0020	0.0079
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Soil, TP10-12S
Lab Number: 6071364

Sampled: Jul 30, 1996
Received: Jul 30, 1996
Extracted: Aug 1-8, 1996
Analyzed: Aug 8-14, 1996
Reported: Aug 19, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.6
Barium	6010	0.10	110
Cadmium	6010	0.10	0.60
Chromium	6010	0.50	24
Lead	6010	1.0	2.8
Mercury	7471	0.0020	0.0064
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 7, 1996
Analyzed: Aug 7, 1996
Reported: Aug 14, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 9, 1996
Analyzed: Aug 9, 1996
Reported: Aug 14, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 12, 1996
Analyzed: Aug 12, 1996
Reported: Aug 14, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 13, 1996
Analyzed: Aug 13, 1996
Reported: Aug 14, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 7/31-8/8, 1996
Analyzed: 7/31-8/14, 1996
Reported: Aug 19, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 7/31-8/7, 1996
Analyzed: 7/31-8/7, 1996
Reported: Aug 14, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/06/96

Sample #: P6071057

Batch #: FH067B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	55	53	111	106	4.0	108	≤25	70 - 130
Chloroform	0	50	49	45	98	89	9.0	94	≤25	70 - 130
1,1-Dichloroethane	0	50	43	40	87	80	8.4	83	≤25	70 - 130
1,2-Dichloroethane	0	50	45	41	91	82	9.8	86	≤25	70 - 130
1,1-Dichloroethene	0	50	46	42	93	84	10	89	≤25	70 - 130
Tetrachloroethene	3.5	50	50	47	92	86	6.6	89	≤22	70 - 130
Toluene	7.8	50	60	57	105	99	5.9	102	≤25	70 - 130
Trichloroethene	0	50	55	49	110	99	10	104	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 601/602
Matrix: Water

Date: 08/13/96

Sample #: P6080266

Batch #: FH135A1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	5.2	5.1	104	102	2.0	103	≤10	70 - 130
Chloroform	0	5.0	5.3	5.6	106	113	6.4	109	≤10	70 - 130
1,1-Dichloroethane	0	5.0	6.4	6.0	129	119	7.8	124	≤10	70 - 130
1,2-Dichloroethane	0	5.0	4.2	4.1	84	82	2.3	83	≤10	70 - 130
1,1-Dichloroethene	0	5.0	6.0	5.6	119	112	6.5	115	≤10	70 - 130
Tetrachloroethene	0	5.0	5.9	5.7	118	113	4.7	116	≤10	70 - 130
Toluene	0.027	5.0	5.6	5.5	111	109	2.1	110	≤10	70 - 130
Trichloroethene	0	5.0	5.5	5.3	110	106	4.1	108	≤10	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/09/96

Sample #: P6071340

Batch #: 7B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	48	50	97	101	3.6	99	≤25	70 - 130
Chloroform	0	50	49	43	99	85	15	92	≤25	70 - 130
1,1-Dichloroethane	0	50	48	45	95	91	4.7	93	≤25	70 - 130
1,2-Dichloroethane	0	50	43	39	86	77	11	81	≤25	70 - 130
1,1-Dichloroethene	0	50	49	48	98	96	2.0	97	≤25	70 - 130
Tetrachloroethene	0	50	51	50	102	100	1.8	101	≤22	70 - 130
Toluene	8.3	50	52	54	88	91	4.1	90	≤25	70 - 130
Trichloroethene	0.57	50	52	56	103	110	7.1	106	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

Del Mar Analytical

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/12/96

Sample #: P6071353

Batch #: FH127B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	51	54	101	109	6.8	105	≤25	70 - 130
Chloroform	0	50	49	48	99	95	3.6	97	≤25	70 - 130
1,1-Dichloroethane	0	50	45	47	91	95	3.9	93	≤25	70 - 130
1,2-Dichloroethane	0	50	42	42	84	84	0.016	84	≤25	70 - 130
1,1-Dichloroethene	0	50	54	48	108	97	11	102	≤25	70 - 130
Tetrachloroethene	0	50	52	56	104	112	7.2	108	≤22	70 - 130
Toluene	9.2	50	56	58	93	97	3.7	95	≤25	70 - 130
Trichloroethene	1.3	50	53	51	103	100	3.9	101	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/7/96

Sample #: P6071334

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	8.1	50	48	48	80%	80%	0.0%	80%
Barium	140	50	190	180	100%	80%	5.4%	90%
Cadmium	0.45	50	46	46	91%	91%	0.0%	91%
Chromium	22	50	70	70	96%	96%	0.0%	96%
Lead	6.6	50	54	54	95%	95%	0.0%	95%
Selenium	0.89	50	48	48	94%	94%	0.0%	94%
Silver	0	50	39	43	78%	86%	9.8%	82%

R1 . . . . . Result of Sample Analysis
Sp . . . . . Spike Concentration Added to Sample
MS . . . . . Matrix Spike Result
MSD . . . . . Matrix Spike Duplicate Result
PR1 . . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2 . . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD . . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 8/9/96

Sample #: P6071338

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	1.3	1000	1100	1000	110%	100%	9.5%	105%
Barium	1.1	1000	1000	1000	100%	100%	0.0%	100%
Cadmium	0	1000	1000	1000	100%	100%	0.0%	100%
Chromium	0	1000	1000	1000	100%	100%	0.0%	100%
Selenium	0.18	1000	1100	1100	110%	110%	0.0%	110%
Silver	0.83	500	510	510	102%	102%	0.0%	102%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 8/9/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Lead	2.0	1000	1000	1100	100%	110%	9.5%	105%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/14/96

Sample #: P6071359

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.1	50	53	52	94%	92%	1.9%	93%
Barium	92	50	150	150	116%	116%	0.0%	116%
Cadmium	0.41	50	42	42	83%	83%	0.0%	83%
Chromium	19	50	64	64	90%	90%	0.0%	90%
Lead	3.7	50	46	46	85%	85%	0.0%	85%
Selenium	0.57	50	46	46	91%	91%	0.0%	91%
Silver	0	50	41	37	82%	74%	10.3%	78%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/1/96

SAMPLE # P6071334

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	7.9	16.5	25	24	104%	98%	4.1%	101%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 245.1
Matrix: Water

DATE: 8/6/96

SAMPLE # P6080069

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.098	5.0	5.0	5.0	98%	98%	0.0%	98%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/7/96

SAMPLE # P6071358

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	7.2	17	24	25	99%	105%	4.1%	102%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/8/96

SAMPLE # P6071362

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	2.1	16.65	17	16.3	89%	85%	4.2%	87%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search

Project/PO Number: 608 708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	CERCLA Metals 6010/7000								Special Instructions
TP9-1K	S	VOA jar	2	7/30/96 1023	Methanol 4°C	X	X								
TP9-12W				7/30 1025		X	X								
TP9-12E				7/30 1027		X	X								
TP9-MS				7/30 1028		X	X								
TP9-MSD				7/30 1029		X	X								
TP9-1A				7/30 1030		X	X								
TP9-1B				7/30 1032		X	X								
TP9-1C				7/30 1034		X	X		Composite						
TP9-1D				7/30 1036		X	X								
TP9-1E				7/30 1038		X	X								
TP10-15				7/30 1143		X	X								
TP10-12N				7/30 1145		X	X								
TP10-12S				7/30 1147		X	X								
TP10-1A				7/30 1148		X	X								

Relinquished By:	Date/Time:	Received by:	Date/Time:
Matthew Conway	7/30/96 15:53	[illegible]	7/30/96 1553
[illegible] Johnson	7/30/96 1626		
		Received in Lab by: [illegible]	7/30/96 4:25pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search

Project/PO Number: 508708513/1005

Project Manager/Phone Number: Steve Smith 891-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8RCRA Metals								Special Instructions
TP10-1B	S	VOA jar	2	7/30 1150		X	X			Composite					
TP10-FB-1	Meth	VOA	1	7/30 1151		X									TP10-1A, 1B, 1C, 1D, 1E
TP10-1C	S	VOA jar	2	7/30 1152		X	X								
TP10-1D	S	|	2	7/30 1154		X	X								
TP10-1E	S	|	2	7/30 1156		X	X								
TP10-RB-1	H_2O	VOA jar	3	7/30 1158		X	X								
TP7-15	S	VOA jar	2	7/30 1350		X	X								
TP7-12W	|	|	|	7/30 1354		X	X								
TP7-12E	|	|	|	7/30 1358		X	X								
TP7-1A	|	|	|	7/30 13:30		X	X								
TP7-1B	|	|	|	7/30 13:37		X	X								
TP7-1C	|	|	|	7/30 13:34		X	X			Composite					
TP7-1D	|	|	|	7/30 14:00		X	X								
TP7-1E	|	|	|	7/30 14:01		X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/30/96 1553	J.C. Johnson	7/30/96 15:53
J.C. Johnson	7/30/96 1826		

Received in Lab by: Date /Time:

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

Del Mar Analytical
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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search

Project/PO Number: 708708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA + Metals								Special Instructions
TP6B-15	S	VOA jar	2	7/30 1532		X	X								
TP6B-12N				7/30 1534		X	X								
TP6B-12S				7/30 1536		X	X								
TP6B-1A				7/30 1514		X	X								
TP6B-1B				7/30 1516		X	X								
TP6B-1C				7/30 1518		X	X			Composite					
TP6B-1D				7/30 1538		X	X								
TP6B-1E				7/30 1540		X	X								
NEG TP6B-FB-1	Meth	VOA	1	7/30 1541		X									

Relinquished By:	Date/Time:	Received by:	Date/Time:
Matthew Conway	7/30/96 15:53	[illegible] Johnson	7/30/96 15:53
[illegible] Johnson	7/30/96 1626		
		Received in Lab by: Ella Ellis	7/30/96 4:25pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch, Inc

Project/PO Number: 808708313/10C5

Project Manager/Phone Number: Steve Smith / 894-2800

Sampler: M.H. Conway

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	6 RCRA Metals 6000/7000								Special Instructions
TP3-2.5	S	VOA jar	2	7/30/96 0730	Methanol 4°C	X	X								
TP3-2.0E	S			7/30 0735		X	X								
TP3-2.0W	S			7/30 0740		X	X								
TP3-1A	S			7/30 0750		X	X								
TP4-RB-1	H_2O	VOA jar	3	7/30 0830	HCL 4°C	X	X								
TP4-FB-1	Meth	VOA	1	7/30 0831	Methanol 4°C	X									
TP4-1S	S	VOA jar	2	7/30 0832		X	X								
TP4-12W				7/30 0834		X	X								
TP4-12E				7/30 0836		X	X								
TP4-1A				7/30 0838		X	X								
TP4-1B				7/30 0840		X	X								
TP4-1C				7/30 0842		X	X		Composite						
TP4-1D				7/30 0844		X	X								
TP4-1E				7/30 0846		X	X								

Analysis Required

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/30/96 15:53	[illegible]	7/30/96 1553
[illegible]	7/30 96 1636		
		Received in Lab by: [illegible]	7/30/96 4:25pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Water, TP10-RB-1	Extracted: Aug 6, 1996
Attention: Steve Smith	Lab Number: 6071426	Analyzed: Aug 6, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
1-Chloro-3-fluorobenzene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6A-15	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071428	Analyzed: Aug 12, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6A-12E	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071429	Analyzed: Aug 12, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP5-2	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071431	Analyzed: Aug 13, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP5-2S	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071432	Analyzed: Aug 13, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP5-2N	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071433	Analyzed: Aug 13, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP5-1A	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071434	Analyzed: Aug 13, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Water, TT4-RB-2	Extracted: Aug 7, 1996
Attention: Steve Smith	Lab Number: 6071435	Analyzed: Aug 7, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
1-Chloro-3-fluorobenzene	95%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071436	Analyzed: Aug 13, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT4-8A, TT4-8B, TT4-8C, TT4-8D & TT4-8E were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, TT4-FB-2	Extracted: Jul 31, 1996
Attention: Steve Smith	Lab Number: 6071437	Analyzed: Aug 13, 1996
		Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TP6A-1A, TP6A-1B, TP6A-1C, TP6A-1D, TP6A-1E, TP6A-15, TP6A-12E, TP6A-12W were composited in the laboratory prior to analysis.**

typographical error. Does not pertain to this sample.
MEC 11/6/96

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	106%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Methanol, Trip Blank
Lab Number: 6071438

Received: Jul 31, 1996
Extracted: Jul 31, 1996
Analyzed: Aug 13, 1996
Reported: Aug 15, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Water, TP10-RB-1	Extracted: Aug 1-6, 1996
Attention: Steve Smith	Lab Number: 6071426	Analyzed: Aug 6-13, 1996
		Reported: Aug 15, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 1-8,1996
Attention: Steve Smith	Lab Number: 6071427	Analyzed: Aug 8-14, 1996
		Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.7
Barium	6010	0.10	110
Cadmium	6010	0.10	0.44
Chromium	6010	0.50	17
Lead	6010	1.0	3.2
Mercury	7471	0.0020	0.0053
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TP6A-1A, TP6A-1B, TP6A-1C, TP6A-1D & TP6A-1E were composited in the laboratory prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6A-15	Extracted: Aug 1-8,1996
Attention: Steve Smith	Lab Number: 6071428	Analyzed: Aug 8-14, 1996
		Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.7
Barium	6010	0.10	100
Cadmium	6010	0.10	0.38
Chromium	6010	0.50	15
Lead	6010	1.0	2.8
Mercury	7471	0.0020	0.0034
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Soil, TP6A-12E
Lab Number: 6071429

Sampled: Jul 31, 1996
Received: Jul 31, 1996
Extracted: Aug 1-8,1996
Analyzed: Aug 8-14, 1996
Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.7
Barium	6010	0.10	69
Cadmium	6010	0.10	0.32
Chromium	6010	0.50	12
Lead	6010	1.0	2.9
Mercury	7471	0.0020	0.0074
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP6A-12W	Extracted: Aug 1-8,1996
Attention: Steve Smith	Lab Number: 6071430	Analyzed: Aug 8-14, 1996
		Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.2
Barium	6010	0.10	90
Cadmium	6010	0.10	0.43
Chromium	6010	0.50	16
Lead	6010	1.0	3.6
Mercury	7471	0.0020	0.0060
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP5-2	Extracted: Aug 1-8,1996
Attention: Steve Smith	Lab Number: 6071431	Analyzed: Aug 8-14, 1996
		Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	12
Barium	6010	0.10	100
Cadmium	6010	0.10	0.51
Chromium	6010	0.50	18
Lead	6010	1.0	8.7
Mercury	7471	0.0020	0.019
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP5-2S	Extracted: Aug 1-8,1996
Attention: Steve Smith	Lab Number: 6071432	Analyzed: Aug 8-14, 1996
		Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.4
Barium	6010	0.10	100
Cadmium	6010	0.10	0.63
Chromium	6010	0.50	21
Lead	6010	1.0	4.6
Mercury	7471	0.0020	0.017
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP5-2N	Extracted: Aug 1-8,1996
Attention: Steve Smith	Lab Number: 6071433	Analyzed: Aug 8-14, 1996
		Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.5
Barium	6010	0.10	97
Cadmium	6010	0.10	0.61
Chromium	6010	0.50	20
Lead	6010	1.0	4.4
Mercury	7471	0.0020	0.016
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TP5-1A	Extracted: Aug 1-8,1996
Attention: Steve Smith	Lab Number: 6071434	Analyzed: Aug 8-14, 1996
		Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	9.2
Barium	6010	0.10	97
Cadmium	6010	0.10	0.53
Chromium	6010	0.50	18
Lead	6010	1.0	3.6
Mercury	7471	0.0020	0.0076
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Jul 31, 1996
4636 E. University Drive, Ste. 145		Received: Jul 31, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 1-8,1996
Attention: Steve Smith	Lab Number: 6071436	Analyzed: Aug 8-14, 1996
		Reported: Aug 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	0.75
Barium	6010	0.10	16
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	2.8
Lead	6010	1.0	1.4
Mercury	7471	0.020**	0.093
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TT4-8A, TT4-8B, TT4-8C, TT4-8D & TT4-8E were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 6, 1996
Analyzed: Aug 6, 1996
Reported: Aug 15, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 7, 1996
Analyzed: Aug 7, 1996
Reported: Aug 15, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 12, 1996
Analyzed: Aug 12, 1996
Reported: Aug 15, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 13, 1996
Analyzed: Aug 13, 1996
Reported: Aug 15, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 1-8,1996
Analyzed: Aug 8-14, 1996
Reported: Aug 20, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 1-6, 1996
Analyzed: Aug 6-13, 1996
Reported: Aug 15, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 8/6/96
Sample #: P6071417
Batch #: FH065A1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	4.8	4.8	96%	97%	0.67	97%	≤ 10	70-130
Chloroform	0	5.0	5.5	5.1	110%	103%	6.9	106%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	5.7	5.4	113%	108%	4.1	111%	≤ 10	70-130
1,2-Dichloroethane	0	5.0	5.2	5.4	105%	108%	3.3	107%	≤ 10	70-130
1,1-Dichloroethene	0.049	5.0	5.4	5.1	107%	100%	6.7	104%	≤ 10	70-130
Tetrachloroethene	0	5.0	5.4	5.3	108%	106%	1.9	107%	≤ 10	70-130
Toluene	0.045	5.0	5	4.8	95%	94%	1.0	95%	≤ 10	70-130
Trichloroethene	0	5.0	5.1	4.9	101%	99%	2.9	100%	≤ 10	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/12/96

Sample #: P6071353

Batch #: FH127B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	51	54	101	109	6.8	105	≤25	70 - 130
Chloroform	0	50	49	48	99	95	3.6	97	≤25	70 - 130
1,1-Dichloroethane	0	50	45	47	91	95	3.9	93	≤25	70 - 130
1,2-Dichloroethane	0	50	42	42	84	84	0.016	84	≤25	70 - 130
1,1-Dichloroethene	0	50	54	48	108	97	11	102	≤25	70 - 130
Tetrachloroethene	0	50	52	56	104	112	7.2	108	≤22	70 - 130
Toluene	9.2	50	56	58	93	97	3.7	95	≤25	70 - 130
Trichloroethene	1.3	50	53	51	103	100	3.9	101	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 8/14/96

Sample #: P6071426

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0	1000	820	880	82%	88%	7.1%	85%
Barium	1.5	1000	930	920	93%	92%	1.1%	92%
Cadmium	0.35	1000	940	930	94%	93%	1.1%	93%
Chromium	0.27	1000	940	930	94%	93%	1.1%	93%
Lead	0.02	1000	760	820	76%	82%	7.6%	79%
Selenium	1.4	1000	840	910	84%	91%	8.0%	87%
Silver	0.63	50	49	49	97%	97%	0.0%	97%

R1 . . . . . Result of Sample Analysis
Sp . . . . . Spike Concentration Added to Sample
MS . . . . . Matrix Spike Result
MSD . . . . . Matrix Spike Duplicate Result
PR1 . . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2 . . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD . . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/13/96

Sample #: P6071434

Batch #: FH137B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	58	52	116	105	10	110	≤25	70 - 130
Chloroform	0	50	57	49	114	98	15	106	≤25	70 - 130
1,1-Dichloroethane	0	50	57	49	115	99	15	107	≤25	70 - 130
1,2-Dichloroethane	0	50	50	44	100	89	12	94	≤25	70 - 130
1,1-Dichloroethene	4.0	50	61	52	115	95	19	105	≤25	70 - 130
Tetrachloroethene	0	50	59	49	119	98	19	109	≤22	70 - 130
Toluene	8.2	50	62	58	108	99	8.9	103	≤25	70 - 130
Trichloroethene	6.0	50	62	56	111	101	9.7	106	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 7470
Matrix: Water

DATE: 8/6/96

SAMPLE # P6080015

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.15	5.0	5.1	5.2	99%	101%	1.9%	100%

Definition of Terms:

1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/8/96

SAMPLE # P6071362

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	2.1	16.65	17	16.3	89%	85%	4.2%	87%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/14/96

Sample #: P6071359

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.1	50	53	52	94%	92%	1.9%	93%
Barium	92	50	150	150	116%	116%	0.0%	116%
Cadmium	0.41	50	42	42	83%	83%	0.0%	83%
Chromium	19	50	64	64	90%	90%	0.0%	90%
Lead	3.7	50	46	46	85%	85%	0.0%	85%
Selenium	0.57	50	46	46	91%	91%	0.0%	91%
Silver	0	50	41	37	82%	74%	10.3%	78%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/14/96

Sample #: P6071430

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	5.2	50	52	53	94%	96%	1.9%	95%
Barium	90	50	140	140	100%	100%	0.0%	100%
Cadmium	0.43	50	44	45	87%	89%	2.2%	88%
Chromium	16	50	62	63	92%	94%	1.6%	93%
Lead	3.6	50	48	48	89%	89%	0.0%	89%
Selenium	0.59	50	46	46	91%	91%	0.0%	91%
Silver	0	2.5	2.0	2.0	80%	80%	0.0%	80%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDROSEARCH, INC

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA METALS								Special Instructions
TP10-RB-1	H_2O	VOA jar	3	7/31/96 0700	HCL 4°C	X	X								
TPGA-1A	S	VOA jar	2	7/31 0702	Methanol 4°C	X	X		Composite:			TPGA-1A, 1B, 1C, 1D, 1E			
TPGA-1B				7/31 0704		X	X								
TPGA-1C				7/31 0706		X	X								
TPGA-1D				7/31 0708		X	X								
TPGA-15				7/31 0717		X	X								
TPGA-12E MEC				7/31 0723		X	X								
TPGA-12W				7/31 0725		X	X								
TPGA-1E				7/31 0727		X	X								
TP5-2 MEC				7/31 0828		X	X								
TP5-2				7/31 0833		X	X								
TP5-2N				7/31 0843		X	X								
TP5-1A				7/31 0845		X	X								
TT4-RB-2	H_2O		3	7/31 1000	HCL 4°C	X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	7/31/96 15:20		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		[illegible]	7/31/96 15:20

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch

Project/PO Number: 80870831 3/10005

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	Goldsboro	Barrow Metals								Special Instructions
TT4-8A	S	VOA jar	2	7/31 1312	Methanol 4oC	X	X		composite			TT4-8A, 8B, 8C, 8D, 8E			
TT4-FB-2	M	VOA	1	7/31 1313		X									
TT4-8B	S	VOA jar	2	7/31 1314		X	X								
TT4-8C				7/31 1316		X	X								
TT4-8D				7/31 1318		X	X								
TT4-8E				7/31 1320		X	X								
TRIP BLANK	A	VOA	1			X									

Relinquished By: Matthew Conway	Date /Time: 7/31/96 15:20	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: [illegible]	Date /Time: 7/31/96 15:20

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled:	Aug 1, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 1, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Aug 1, 1996
Attention: Steve Smith	Lab Number: 6080054	Analyzed:	Aug 13, 1996
		Reported:	Sep 9, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT4-9A, TT4-9B, TT4-9C, TT4-9D, TT4-9E, TT4-9F, TT4-9G & TT4-9H were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	106%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Aug 1, 1996
4636 E. University Drive, Ste. 145		Received: Aug 1, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 1, 1996
Attention: Steve Smith	Lab Number: 6080055	Analyzed: Aug 13, 1996
		Reported: Sep 9, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT4-10A, TT4-10B & TT4-10C were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/1005	Sampled: Aug 1, 1996
4636 E. University Drive, Ste. 145		Received: Aug 1, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 8/8-9/6, 1996
Attention: Steve Smith	Lab Number: 6080054	Analyzed: 8/8-9/11, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5**	6.1
Barium	6010	1.0**	140
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	29
Lead	6010	10**	N.D.
Mercury	7471	0.0020	.011
Selenium	6010	10**	N.D.
Silver	6010	5.0**	N.D.

***Samples TT4-9A, TT4-9B, TT4-9C, TT4-9D, TT4-9E, TT4-9F, TT4-9G & TT4-9H were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/1005
Sample Descript: Composite Soil*
Lab Number: 6080055

Sampled: Aug 1, 1996
Received: Aug 1, 1996
Extracted: 8/8-9/6, 1996
Analyzed: 8/8-9/11, 1996
Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0**	N.D.
Barium	6010	1.0**	130
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	25
Lead	6010	10**	N.D.
Mercury	7471	0.0020	0.015
Selenium	6010	10**	N.D.
Silver	6010	5.0**	N.D.

***Samples TT4-10A, TT4-10B & TT4-10C were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 13, 1996
Analyzed: Aug 13, 1996
Reported: Sep 9, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 8/6-9/6, 1996
Analyzed: 8/8-9/11, 1996
Reported: Sep 16, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/13/96

Sample #: P6071434

Batch #: FH137B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	58	52	116	105	10	110	≤25	70 - 130
Chloroform	0	50	57	49	114	98	15	106	≤25	70 - 130
1,1-Dichloroethane	0	50	57	49	115	99	15	107	≤25	70 - 130
1,2-Dichloroethane	0	50	50	44	100	89	12	94	≤25	70 - 130
1,1-Dichloroethene	4.0	50	61	52	115	95	19	105	≤25	70 - 130
Tetrachloroethene	0	50	59	49	119	98	19	109	≤22	70 - 130
Toluene	8.2	50	62	58	108	99	8.9	103	≤25	70 - 130
Trichloroethene	6.0	50	62	56	111	101	9.7	106	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/11/96

Sample #: P6080054

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.10	50	50	46	88%	80%	8.3%	84%
Barium	140	500	610	610	94%	94%	0.0%	94%
Cadmium	0.30	50	44	43	87%	85%	2.3%	86%
Chromium	29	50	71	69	84%	80%	2.9%	82%
Lead	7.6	50	51	51	87%	87%	0.0%	87%
Selenium	1.2	50	45	44	88%	86%	2.2%	87%
Silver	0	50	43	41	86%	82%	4.8%	84%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/8/96

SAMPLE # P6080054

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	11	17	27	27	94%	94%	0.0%	94%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO Search

Project/PO Number: 808708313/1005

Project Manager/Phone Number: Steve Smith 8942800

Sampler: Matt Conway

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals 6010/7000								Special Instructions
TT4-9A	S	VOA jar	2	8/1/96 0848	Methanol 4°C	X	X								
TT4-9B	S		2	8/1 0922		X	X								Composite TT4-9A, 9B, 9C, 9D, 9E, 9F, 9G, 9H
TT4-9C	S		2	8/1 1015		X	X								
TT4-9D	S		2	8/1 1017		X	X								
TT4-9E	S		2	8/1 1019		X	X								
TT4-9F	S		2	8/1 1021		X	X								
TT4-10A	S		2	8/1 1258		X	X								
TT4-10B	S		2	8/1 1300		X	X	Composite							
TT4-10C	S		2	8/1 1302		X	X								
TT4-9G	S		2	8/1 1320		X	X								
TT4-9H	S		2	8/1 1435		X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	8/1/96 16:36			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[signature]	8/1/96 16:56	intact ✓	on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Aug 2, 1996
Attention: David Broermann	Lab Number: 6080093	Analyzed:	Aug 13, 1996
		Reported:	Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT5-1A & TT5-1B were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Aug 2, 1996
4636 E. University Drive, Ste. 145		Received: Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT6-SP7	Extracted: Aug 2, 1996
Attention: David Broermann	Lab Number: 6080094	Analyzed: Aug 13, 1996
		Reported: Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Aug 2, 1996
4636 E. University Drive, Ste. 145		Received: Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 2, 1996
Attention: David Broermann	Lab Number: 6080095	Analyzed: Aug 13, 1996
		Reported: Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT6-1A, TT6-1B, TT6-1C, TT6-1D were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Aug 2, 1996
Attention: David Broermann	Lab Number: 6080096	Analyzed:	Aug 13, 1996
		Reported:	Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT6-2A, TT6-2B & TT6-2C were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Aug 2, 1996
4636 E. University Drive, Ste. 145		Received: Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 2, 1996
Attention: David Broermann	Lab Number: 6080097	Analyzed: Aug 13, 1996
		Reported: Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT6-3A, TT6-3B, TT6-3C & TT6-3D were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Aug 2, 1996
4636 E. University Drive, Ste. 145		Received: Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 2, 1996
Attention: David Broermann	Lab Number: 6080098	Analyzed: Aug 13, 1996
		Reported: Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT6-4A, TT6-4B, TT6-4C & TT6-4D were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	95%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Aug 2, 1996
Attention: David Broermann	Lab Number: 6080099	Analyzed:	Aug 13, 1996
		Reported:	Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT6-5A, TT6-5B, TT6-5C & TT6-5D were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	91%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	Aug 2, 1996
Attention: David Broermann	Lab Number: 6080100	Analyzed:	Aug 13, 1996
		Reported:	Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TP3-1A & TP3-1B were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT6-SP8	Extracted:	Aug 2, 1996
Attention: David Broermann	Lab Number: 6080101	Analyzed:	Aug 14, 1996
		Reported:	Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT6-SP9	Extracted:	Aug 2, 1996
Attention: David Broermann	Lab Number: 6080102	Analyzed:	Aug 14, 1996
		Reported:	Sep 5, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	**50**	**180**
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080093	Analyzed:	8/8-9/11, 1996
		Reported:	Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0**	N.D.
Barium	6010	1.0**	140
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	28
Lead	6010	10**	N.D.
Mercury	7471	0.0020	0.025
Selenium	6010	10**	N.D.
Silver	6010	5.0**	N.D.

***Samples TT5-1A & TT5-1B were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Aug 2, 1996
4636 E. University Drive, Ste. 145		Received: Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT6-SP7	Extracted: 8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080094	Analyzed: 8/8-9/11, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0*	N.D.
Barium	6010	1.0*	120
Cadmium	6010	1.0*	N.D.
Chromium	6010	5.0*	24
Lead	6010	10*	13
Mercury	7471	0.0020	0.012
Selenium	6010	10*	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080095	Analyzed:	8/8-9/11, 1996
		Reported:	Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0**	N.D.
Barium	6010	1.0**	110
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	28
Lead	6010	10**	N.D.
Mercury	7471	0.0020	0.0068
Selenium	6010	10**	N.D.
Silver	6010	5.0**	N.D.

***Samples TT6-1A, TT6-1B, TT6-1C & TT6-1D were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Hydro-Search, Inc.	Client Project ID: 808708313-1005	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080096	Analyzed:	8/8-9/11, 1996
		Reported:	Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0**	N.D.
Barium	6010	1.0**	120
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	26
Lead	6010	10**	17
Mercury	7471	0.0020	0.0094
Selenium	6010	10**	N.D.
Silver	6010	5.0**	N.D.

***Samples TT6-2A, TT6-2B & TT6-2C were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-1005	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080097	Analyzed:	8/8-9/16, 1996
		Reported:	Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0**	5.2
Barium	6010	1.0**	130
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	27
Lead	6010	10**	17
Mercury	7471	0.020**	0.052
Selenium	6010	10**	N.D.
Silver	6010	50**	N.D.

***Samples TT6-3A, TT6-3B, TT6-3C & TT6-3D were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Aug 2, 1996
4636 E. University Drive, Ste. 145		Received: Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080098	Analyzed: 8/8-9/16, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0**	N.D.
Barium	6010	1.0**	110
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	24
Lead	6010	10**	N.D.
Mercury	7471	0.0020	0.022
Selenium	6010	10**	N.D.
Silver	6010	5.0**	N.D.

***Samples TT6-4A, TT6-4B, TT6-4C & TT6-4D were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted:	8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080099	Analyzed:	8/8-9/16, 1996
		Reported:	Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0**	N.D.
Barium	6010	1.0**	160
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	33
Lead	6010	10**	N.D.
Mercury	7471	0.0020	0.0083
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TT6-5A, TT6-5B, TT6-5C & TT6-5D were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Aug 2, 1996
4636 E. University Drive, Ste. 145		Received: Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: 8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080100	Analyzed: 8/8-9/16, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0**	N.D.
Barium	6010	1.0**	130
Cadmium	6010	1.0**	N.D.
Chromium	6010	5.0**	27
Lead	6010	10**	N.D.
Mercury	7471	0.0020	0.0080
Selenium	6010	10**	N.D.
Silver	6010	5.0**	N.D.

***Samples TP3-1A & TP3-1B were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Aug 2, 1996
4636 E. University Drive, Ste. 145		Received: Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT6-SP8	Extracted: 8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080101	Analyzed: 8/8-9/16, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0*	N.D.
Barium	6010	1.0*	N.D.
Cadmium	6010	10*	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	47
Mercury	7471	0.20*	0.74
Selenium	6010	100*	N.D.
Silver	6010	500*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled:	Aug 2, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 5, 1996
Phoenix, AZ 85034	Sample Descript: Soil, TT6-SP9	Extracted:	8/8-9/6, 1996
Attention: David Broermann	Lab Number: 6080102	Analyzed:	8/8-9/16, 1996
		Reported:	Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	5.0*	N.D.
Barium	6010	1.0*	19
Cadmium	6010	10*	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1,000*	N.D.
Mercury	7471	0.020*	0.067
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: David Broermann

Method Blank

Extracted: Aug 13, 1996
Analyzed: Aug 13, 1996
Reported: Sep 5, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: David Broermann

Method Blank

Extracted: 8/8-9/6, 1996
Analyzed: 8/8-9/16, 1996
Reported: Sep 16, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/13/96

Sample #: P6071434

Batch #: FH137B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	58	52	116	105	10	110	≤25	70 - 130
Chloroform	0	50	57	49	114	98	15	106	≤25	70 - 130
1,1-Dichloroethane	0	50	57	49	115	99	15	107	≤25	70 - 130
1,2-Dichloroethane	0	50	50	44	100	89	12	94	≤25	70 - 130
1,1-Dichloroethene	4.0	50	61	52	115	95	19	105	≤25	70 - 130
Tetrachloroethene	0	50	59	49	119	98	19	109	≤22	70 - 130
Toluene	8.2	50	62	58	108	99	8.9	103	≤25	70 - 130
Trichloroethene	6.0	50	62	56	111	101	9.7	106	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/8/96

SAMPLE # P6080054

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	11	17	27	27	94%	94%	0.0%	94%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/11/96

Sample #: P6080054

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.10	50	50	46	88%	80%	8.3%	84%
Barium	140	500	610	610	94%	94%	0.0%	94%
Cadmium	0.30	50	44	43	87%	85%	2.3%	86%
Chromium	29	50	71	69	84%	80%	2.9%	82%
Lead	7.6	50	51	51	87%	87%	0.0%	87%
Selenium	1.2	50	45	44	88%	86%	2.2%	87%
Silver	0	50	43	41	86%	82%	4.8%	84%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/16/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0	50	50	51	100%	102%	2.0%	101%
Barium	0.016	50	48	49	96%	98%	2.1%	97%
Cadmium	0.036	50	48	49	96%	98%	2.1%	97%
Chromium	0.035	50	49	49	98%	98%	0.0%	98%
Lead	0.13	50	48	49	96%	98%	2.1%	97%
Selenium	0	50	50	50	100%	100%	0.0%	100%
Silver	0.039	2.5	2.4	2.5	94%	98%	4.1%	96%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search 4636 E. University

Project/PO Number: 808708313-105

Project Manager/Phone Number: David Bierman 898-2800

Sampler: David Bierman

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont.	Sampling Date/Time	Preservatives	8010/8020	8RCRA Metals								Special Instructions
TT5-1A	Soil		1	8/2/96 805		X	X								Composite one sample
TT5-1B	"		2	" 807		X	X								
TT6-SP7	"			" 930		X	X								
TT6-1A	"			" 1008		X	X								Composit.
TT6-1B	"			" 956		X	X								
TT6-1C	"			" 958		X	X								
TT6-1D	"			" 1000		X	X								
TT6-2A	"			" 1002		X	X								
TT6-2B	"			" 1004		X	X								Composite
TT6-2C	"			" 1006		X	X								
TT6-3A	"			"		X	X								
TT6-3B	"			"		X	X								Composit
TT6-3C	"			"		X	X								
TT6-3D	"			"		X	X								

Relinquished by:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
[signature]	8/5/96 10:15	Bill UHL	8/5/96 10:15	same day ____	72 hours ____
Relinquished By: Bill UHL	Date /Time: 8/5/96 10:25	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date /Time:	Received in Lab by: Alisa [illegible]	Date /Time: 8/5/96 10:25	Sample Integrity: (Check) intact ✓	on ice ✓

Note: Sample(s) [illegible] be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search 4636 E. University

Project/PO Number: 808708313-105

Project Manager/Phone Number: David Boermann

Sampler: David Boermann

Analysis Required: SW10/8020; SW6A Metals

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	SW10/8020	SW6A Metals								Special Instructions
TT6-4A	Soil		2	8/2/96 1240		X	X								
TT6-4B	"		2	" 1242		X	X								Composit
TT6-4C	"		2	" 1244		X	X								
TT6-4D	"		2	" 1246		X	X								
TT6-5A	"		2	" 1252		X	X								
TT6-5B	"		2	" 1254		X	X								Composit
TT6-5C	"		2	" 1256		X	X								
TT6-5D	"		2	" 1258		X	X								
~~TT6-2A~~															
TP3-1A	"		2	" 1640		X	X								Composit
TP3-1B	"		2	" 1645		X	X								
TT6-SP8	"		2	" 1130		X	X								
TT6-SP9	"		2	" 1227		X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:
David Boermann	8/5/96 10:15	Bill Uhler	8/5/96 10:15
Bill Uhler	8/5/96 10:25		

Received in Lab by: Allen [illegible] 8/5/96 10:25am

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) [illegible]e disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 14, 1996
4636 E. University Drive, Ste. 145		Received: Aug 15, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 14, 1996
Attention: Steve Smith	Lab Number: 6080531	Analyzed: Aug 20, 1996
		Reported: Aug 21, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT4-11A & TT4-11B were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 14, 1996
4636 E. University Drive, Ste. 145		Received: Aug 15, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST5-SL	Extracted: Aug 14, 1996
Attention: Steve Smith	Lab Number: 6080532	Analyzed: Aug 20, 1996
		Reported: Aug 21, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**74**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 15, 1996
4636 E. University Drive, Ste. 145		Received: Aug 15, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 15, 1996
Attention: Steve Smith	Lab Number: 6080533	Analyzed: Aug 20, 1996
		Reported: Aug 21, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT4-12A, TT4-12B, TT4-12C, TT4-12D, TT4-12E, TT4-12F, TT4-12G, TT4-12H, TT4-12I & TT4-12J were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 15, 1996
4636 E. University Drive, Ste. 145		Received: Aug 15, 1996
Phoenix, AZ 85034	Sample Descript: Composite Soil*	Extracted: Aug 15, 1996
Attention: Steve Smith	Lab Number: 6080534	Analyzed: Aug 20, 1996
		Reported: Aug 21, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

***Samples TT4-13A & TT4-13B were composited in the laboratory prior to analysis.**

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	106%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Methanol, Trip Blank
Lab Number: 6080535

Received: Aug 15, 1996
Extracted: Aug 20, 1996
Analyzed: Aug 20, 1996
Reported: Aug 21, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Composite Soil*
Lab Number: 6080531

Sampled: Aug 14, 1996
Received: Aug 15, 1996
Extracted: Aug 19-20, 1996
Analyzed: Aug 19-21, 1996
Reported: Aug 21, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	0.60
Barium	6010	0.10	11
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	2.6
Lead	6010	1.0	N.D.
Mercury	7471	0.020**	0.13
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TT4-11A & TT4-11B were composited in the laboratory prior to analysis.**

****Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST5-SL
Lab Number: 6080532

Sampled: Aug 14, 1996
Received: Aug 15, 1996
Extracted: 8/19-9/6, 1996
Analyzed: 8/19-9/11, 1996
Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	50*	N.D.
Barium	6010	10*	N.D.
Cadmium	6010	10*	N.D.
Chromium	6010	50*	N.D.
Lead	6010	100*	270
Mercury	7471	2.0*	15
Selenium	6010	1000*	N.D.
Silver	6010	50*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised.**

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Composite Soil*
Lab Number: 6080533

Sampled: Aug 15, 1996
Received: Aug 15, 1996
Extracted: Aug 19-20, 1996
Analyzed: Aug 19-21, 1996
Reported: Aug 21, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.9
Barium	6010	0.10	91
Cadmium	6010	0.10	0.55
Chromium	6010	0.50	20
Lead	6010	1.0	2.2
Mercury	7471	0.0020	0.0064
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Samples TT4-12A, TT4-12B, TT4-12C, TT4-12D, TT4-12E, TT4-12F, TT4-12G, TT4-12H, TT4-12I & TT4-12J were composited in the laboratory prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Composite Soil*
Lab Number: 6080534

Sampled: Aug 15, 1996
Received: Aug 15, 1996
Extracted: Aug 19-20, 1996
Analyzed: Aug 19-21, 1996
Reported: Aug 21, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.3
Barium	6010	0.10	110
Cadmium	6010	0.10	0.59
Chromium	6010	0.50	21
Lead	6010	1.0	2.5
Mercury	7471	0.0020	0.0055
Selenium	6010	1.0	1.4
Silver	6010	0.50	N.D.

***Samples TT4-13A & TT4-13B were composited in the laboratory prior to analysis.**

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 14, 1996
4636 E. University Drive, Ste. 145		Received: Aug 15, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, ST5-SL	Extracted: Aug 23, 1996
Attention: Steve Smith	Lab Number: 6080532	Analyzed: Aug 24, 1996
		Reported: Sep 6, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-IRVINE (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	105%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 14, 1996
4636 E. University Drive, Ste. 145		Received: Aug 15, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, ST5-SL	Extracted: Aug 23, 1996
Attention: Steve Smith	Lab Number: 6080532	Analyzed: 8/23-9/4, 1996
		Reported: Sep 6, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	N.D.
Cadmium	6010	1.0	0.10	N.D.
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	1.0*	N.D.
Silver	6010	5.0	5.0*	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 20, 1996
Analyzed: Aug 20, 1996
Reported: Aug 21, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 8/19-9/6, 1996
Analyzed: 8/19-9/11, 1996
Reported: Sep 16, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/20/96

Sample #: P6080459

Batch #: FH207B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	54	52	109	104	4.0	106	≤25	70 - 130
Chloroform	0.71	50	62	59	122	117	4.0	120	≤25	70 - 130
1,1-Dichloroethane	0	50	53	48	106	96	9.8	101	≤25	70 - 130
1,2-Dichloroethane	0	50	45	47	90	93	4.1	92	≤25	70 - 130
1,1-Dichloroethene	0	50	50	50	101	100	0.70	101	≤25	70 - 130
Tetrachloroethene	0	50	57	54	115	108	6.1	111	≤22	70 - 130
Toluene	10	50	59	56	97	92	5.4	94	≤25	70 - 130
Trichloroethene	0	50	55	58	110	116	5.6	113	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/22/96

Sample #: P6080394

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	0	50	41	41	82%	82%	0.0%	82%
Arsenic	45	50	86	90	82%	90%	4.5%	86%
Barium	120	50	180	180	120%	120%	0.0%	120%
Beryllium	0.48	50	41	41	81%	81%	0.0%	81%
Cadmium	2.0	50	42	42	80%	80%	0.0%	80%
Chromium	5.1	50	47	47	84%	84%	0.0%	84%
Lead	50	50	97	97	94%	94%	0.0%	94%
Nickel	6.1	50	46	46	80%	80%	0.0%	80%
Selenium	0.77	50	45	45	88%	88%	0.0%	88%
Silver	1.4	50	41	40	79%	77%	2.5%	78%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/22/96

Sample #: P6080533

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.9	50	50	50	86%	86%	0.0%	86%
Barium	91	50	140	140	98%	98%	0.0%	98%
Beryllium	0.30	50	43	43	85%	85%	0.0%	85%
Chromium	20	50	63	63	86%	86%	0.0%	86%
Nickel	21	50	61	62	80%	82%	1.6%	81%
Selenium	0.65	50	43	43	85%	85%	0.0%	85%
Zinc	35	50	80	80	90%	90%	0.0%	90%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/22/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Cadmium	0.018	50	46	46	92%	92%	0.0%	92%
Lead	0.10	50	45	45	90%	90%	0.0%	90%
Silver	0.017	50	45	46	90%	92%	2.2%	91%
Thallium	0.21	50	44	43	88%	86%	2.3%	87%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/11/96

Sample #: P6080054

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	6.10	50	50	46	88%	80%	8.3%	84%
Barium	140	500	610	610	94%	94%	0.0%	94%
Cadmium	0.30	50	44	43	87%	85%	2.3%	86%
Chromium	29	50	71	69	84%	80%	2.9%	82%
Lead	7.6	50	51	51	87%	87%	0.0%	87%
Selenium	1.2	50	45	44	88%	86%	2.2%	87%
Silver	0	50	43	41	86%	82%	4.8%	84%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/19/96

SAMPLE # P6080459

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	4.1	33.0	38	37	103%	100%	2.7%	101%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch, Inc
4626 E. University # 145
Phoenix, AZ

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
TT4-13A	S	VOA jar	2	8/15/96 0902	Methanol 4°C	X	X	Composite							
TT4-13B	S	VOA jar	2	8/15/96 2904	Methanol 4°C	X	X								
Trip Blank						X									

Relinquished By: Matthew Conway Date /Time: 8/15/96 11:10
Received by: Date /Time:
Relinquished By: Date /Time:
Received by: Date /Time:
Relinquished By: Date /Time:
Received in Lab by: [illegible] Date /Time: 8/15/96 11:10 AM

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO-SEARCH, INC, 1636 E. University Dr #145, Phoenix, AZ 85034

Project/PO Number: 8087083 13/105

Project Manager/Phone Number: Steve Smith 894-2800

Sampler: MATT CONWAY

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals	8010/8020 TCLP	8 RCRA Metals TCLP						Special Instructions
TT4-11A	S	VOA Jar	2	8/14/96 1057	McKhanol 4oc	X	X	X							composite
TT4-11B	S		2	8/14/96 1059		X	X								
ST5-8L	S		2	8/14/96 1115		X	X	X	X						
TT4-12A	S			8/15/96 0842		X	X	X							
TT4-12B				8/15/96 0844		X	X	X							
TT4-12C				8/15/96 0846		X	X	X							
TT4-12D				8/15/96 0848		X	X	X							
TT4-12E				8/15/96 0850		X	X	X							composite
TT4-12F				8/15/96 0852		X	X								
TT4-12G				8/15/96 0854		X	X	X							
TT4-12H SP8				8/15/96 0856		X	X	X							
TT4-12I SP9				8/15/96 0858		X	X	X							
TT4-12J				8/15/96 0900		X	X	X							

Relinquished By: Matthew Conway — Date /Time: 8/15/96 11:10
Received by: — Date /Time:
Relinquished By: — Date /Time:
Received by: — Date /Time:
Relinquished By: — Date /Time:
Received in Lab by: [illegible] 8/15/96 11:10am

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) [illegible]e disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 21, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH2-70	Extracted: Aug 21, 1996
Attention: Steve Smith	Lab Number: 6080776	Analyzed: Aug 23, 1996
		Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**50**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 21, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH2-90	Extracted: Aug 21, 1996
Attention: Steve Smith	Lab Number: 6080777	Analyzed: Aug 23, 1996
		Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, BH1-20
Lab Number: 6080778

Sampled: Aug 22, 1996
Received: Aug 22, 1996
Extracted: Aug 22, 1996
Analyzed: Aug 23, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**160**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 22, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH1-40	Extracted: Aug 22, 1996
Attention: Steve Smith	Lab Number: 6080779	Analyzed: Aug 23, 1996
		Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**61**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	106%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 22, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH1-70	Extracted: Aug 22, 1996
Attention: Steve Smith	Lab Number: 6080780	Analyzed: Aug 23, 1996
		Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**920**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	95%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Methanol, Trip 1
Lab Number: 6080781

Received: Aug 22, 1996
Extracted: Aug 23, 1996
Analyzed: Aug 23, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	100%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 19, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB1-20	Extracted: Aug 19, 1996
Attention: Steve Smith	Lab Number: 6080783	Analyzed: Aug 27, 1996
		Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 19, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB1-30	Extracted: Aug 19, 1996
Attention: Steve Smith	Lab Number: 6080784	Analyzed: Aug 23, 1996
		Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	106%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 19, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB1-40	Extracted: Aug 19, 1996
Attention: Steve Smith	Lab Number: 6080785	Analyzed: Aug 24, 1996
		Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 20, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP7-40	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080770	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.5
Barium	6010	0.10	140
Cadmium	6010	0.10	0.57
Chromium	6010	0.50	19
Lead	6010	1.0	2.0
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 20, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH2-40	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080771	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.7
Barium	6010	0.10	59
Cadmium	6010	0.10	5.8
Chromium	6010	0.50	20
Lead	6010	1.0	28
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	16
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 20, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH2-40 MS	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080772	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.5
Barium	6010	0.10	49
Cadmium	6010	0.10	0.61
Chromium	6010	0.50	23
Lead	6010	1.0	2.8
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 20, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH2-40-MSD	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080773	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.8
Barium	6010	0.10	71
Cadmium	6010	0.10	0.63
Chromium	6010	0.50	23
Lead	6010	1.0	2.2
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Water, BH2-RB-1
Lab Number: 6080774

Sampled: Aug 20, 1996
Received: Aug 22, 1996
Extracted: Aug 29-30, 1996
Analyzed: Aug 29-30, 1996
Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 21, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH2-70	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080776	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.6
Barium	6010	0.10	82
Cadmium	6010	0.10	0.57
Chromium	6010	0.50	27
Lead	6010	1.0	1.2
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 21, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH2-90	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080777	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.6
Barium	6010	0.10	100
Cadmium	6010	0.10	0.37
Chromium	6010	0.50	31
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	0.0024
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 22, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH1-20	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080778	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.5
Barium	6010	0.10	67
Cadmium	6010	0.10	0.58
Chromium	6010	0.50	18
Lead	6010	1.0	1.6
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	1.3
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 22, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH1-40	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080779	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.2
Barium	6010	0.10	40
Cadmium	6010	0.10	0.53
Chromium	6010	0.50	20
Lead	6010	1.0	2.3
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 22, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH1-70	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080780	Analyzed: Aug 27-28, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.5
Barium	6010	0.10	120
Cadmium	6010	0.10	0.54
Chromium	6010	0.50	24
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 19, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB1-20	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080783	Analyzed: Aug 27-29, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.0
Barium	6010	0.10	170
Cadmium	6010	0.10	0.32
Chromium	6010	0.50	23
Lead	6010	1.0	3.0
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB1-30
Lab Number: 6080784

Sampled: Aug 19, 1996
Received: Aug 22, 1996
Extracted: Aug 27, 1996
Analyzed: Aug 27-29, 1996
Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	1.4
Barium	6010	0.10	62
Cadmium	6010	0.10	0.22
Chromium	6010	0.50	14
Lead	6010	1.0	3.0
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 19, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB1-40	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080785	Analyzed: Aug 27-29, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.3
Barium	6010	0.10	68
Cadmium	6010	1.0*	N.D.
Chromium	6010	0.50	16
Lead	6010	1.0	2.2
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

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Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 19, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SL10	Extracted: Aug 19, 1996
Attention: Steve Smith	Lab Number: 6080782	Analyzed: Aug 27, 1996
		Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	10,000	N.D.
Bromoform	10,000	N.D.
Bromomethane	10,000	N.D.
Carbon tetrachloride	10,000	N.D.
Chlorobenzene	10,000	N.D.
Chloroethane	50,000	N.D.
2-Chloroethylvinyl ether	50,000	N.D.
Chloroform	10,000	N.D.
Chloromethane	10,000	N.D.
Dibromochloromethane	10,000	N.D.
1,2-Dichlorobenzene	20,000	N.D.
1,3-Dichlorobenzene	20,000	N.D.
1,4-Dichlorobenzene	20,000	N.D.
1,1-Dichloroethane	10,000	N.D.
1,2-Dichloroethane	10,000	N.D.
1,1-Dichloroethene	10,000	N.D.
cis-1,2-Dichloroethene	10,000	N.D.
trans-1,2-Dichloroethene	10,000	N.D.
1,2-Dichloropropane	10,000	N.D.
cis-1,3-Dichloropropene	10,000	N.D.
trans-1,3-Dichloropropene	10,000	N.D.
Methylene chloride	20,000	N.D.
1,1,2,2-Tetrachloroethane	10,000	N.D.
Tetrachloroethene	10,000	N.D.
1,1,1-Trichloroethane	10,000	N.D.
1,1,2-Trichloroethane	10,000	N.D.
Trichloroethene	**10,000**	**85,000**
Trichlorofluoromethane	10,000	N.D.
Vinyl Chloride	10,000	N.D.
Benzene	10,000	N.D.
Ethylbenzene	10,000	N.D.
Toluene	10,000	N.D.
Total Xylenes	20,000	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 19, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SL10	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080782	Analyzed: Aug 27-29, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	1.8
Barium	6010	0.10	69
Cadmium	6010	0.10	6.4
Chromium	6010	0.50	23
Lead	6010	1.0	130
Mercury	7471	2.0*	9.5
Selenium	6010	1.0	1.1
Silver	6010	0.50	98

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 1,000.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 19, 1996
4636 E. University Drive, Ste. 145		Received: Aug 22, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Soil, ST3-SL10	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080782	Analyzed: Aug 30, 1996
		Reported: Sep 10, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	**0.070**	**0.27**
Trichloroethene	**0.050**	**9.4**
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-IRVINE (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	112%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: TCLP Extract of a Soil, ST3-SL10
Lab Number: 6080782

Sampled: Aug 19, 1996
Received: Aug 22, 1996
Extracted: 8/30-9/5, 1996
Analyzed: Sep 5-6, 1996
Reported: Sep 10, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	N.D.
Cadmium	6010	1.0	0.10	0.14
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	0.61
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.10	N.D.
Silver	6010	5.0	0.50	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 23, 1996
Analyzed: Aug 23, 1996
Reported: Sep 10, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 30, 1996
Analyzed: Aug 30, 1996
Reported: Sep 10, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 27, 1996
Analyzed: Aug 27-29, 1996
Reported: Sep 10, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 29-30, 1996
Analyzed: Aug 29-30, 1996
Reported: Sep 10, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/27/96

Sample #: P6080759

Batch #: FH277B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	56	57	113	114	0.96	113	≤25	70 - 130
Chloroform	0	50	55	56	110	112	2.1	111	≤25	70 - 130
1,1-Dichloroethane	0	50	56	54	113	108	4.2	110	≤25	70 - 130
1,2-Dichloroethane	0	50	45	48	91	97	6.6	94	≤25	70 - 130
1,1-Dichloroethene	0	50	54	54	109	108	0.84	108	≤25	70 - 130
Tetrachloroethene	0	50	54	54	108	108	0.27	108	≤22	70 - 130
Toluene	0	50	54	54	109	108	0.42	108	≤25	70 - 130
Trichloroethene	0	50	57	52	113	104	8.8	109	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/23/96

Sample #: P6080771

Batch #: FH237B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	56	60	112	120	7.1	116	≤25	70 - 130
Chloroform	0.46	50	54	55	107	109	1.7	108	≤25	70 - 130
1,1-Dichloroethane	0	50	50	52	100	104	3.4	102	≤25	70 - 130
1,2-Dichloroethane	0	50	44	47	89	95	6.6	92	≤25	70 - 130
1,1-Dichloroethene	7.1	50	50	51	85	88	3.3	86	≤25	70 - 130
Tetrachloroethene	0.39	50	53	59	105	118	11	111	≤22	70 - 130
Toluene	8.2	50	52	57	88	98	10	93	≤25	70 - 130
Trichloroethene	17	50	53	57	71	81	13	76	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/28/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Cadmium	0.013	50	50	49	100%	98%	2.0%	99%
Chromium	0.11	50	53	51	106%	102%	3.8%	104%
Lead	0.15	50	49	48	98%	96%	2.1%	97%
Selenium	0.083	50	48	48	96%	96%	0.0%	96%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/28/96

Sample #: P6080771

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	5.6	50	45	44	79%	77%	2.2%	78%
Barium	59	50	98	97	78%	76%	1.0%	77%
Silver	0.16	2.5	2.3	2.3	86%	86%	0.0%	86%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/30/96

Sample #: P6080783

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	7.0	100	100	100	93%	93%	0.0%	93%
Barium	170	100	260	260	90%	90%	0.0%	90%
Chromium	23	100	120	120	97%	97%	0.0%	97%
Copper	21	100	110	120	89%	99%	8.7%	94%
Lead	3.0	100	94	95	91%	92%	1.1%	92%
Selenium	0.78	100	94	96	93%	95%	2.1%	94%
Silver	0	5.0	4.4	4.5	88%	90%	2.2%	89%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/30/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Cadmium	0	50	45	47	90%	94%	4.3%	92%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/27/96

SAMPLE # P6080771

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	1.7	17	17	18	90%	96%	5.7%	93%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 9/17/96

Sample #: P6080774

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0.0016	1.0	1.0	1.0	100%	100%	0.0%	100%
Barium	0.00012	1.0	0.96	0.96	96%	96%	0.0%	96%
Cadmium	0.00006	1.0	0.96	0.96	99%	100%	0.0%	99%
Chromium	0.00091	1.0	0.98	0.98	98%	98%	0.0%	98%
Lead	0.0013	1.0	0.97	0.98	97%	98%	1.0%	97%
Selenium	0.00022	1.0	0.98	0.99	98%	99%	1.0%	99%
Silica	0.25	21.39	21	21	97%	97%	0.0%	97%
Silver	0.0012	0.050	0.048	0.047	94%	92%	2.1%	93%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7470
Matrix: Water

DATE: 8/26/96

SAMPLE # P6080842

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.048	5.0	5.1	5.0	101%	99%	2.0%	100%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro Search, Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith 8942800

Sampler: David Boersmann

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals	TCLP 8010/8020	TCLP 8 RCRA Metals						Special Instructions
ST3-SL10	SL	1 VOA 1 Sleeve	2	8.19.96 1210	Methanol 4°C	X	X	X	X						WATCH HOLD TIMES
AB1-20	S	|	|	8.19.96 1510	|	X	X								
AB1-30	S	|	|	8.19.96 1545	|	X	X								
AB1-40	S	|	|	8.19.96 1640	|	X	X								

Relinquished By	Date/Time	Received by	Date/Time
[illegible]	8/21/96 1831	Matthew Conway	8/21/96 1831
Matthew Conway	8/22/96 1347	Bill Uhler	8/22/96 1347
Bill Uhler	8/22/96 2:20pm	Received in Lab by: [illegible]	8/22/96 2:20pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice ____

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith / 894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	EDB/8020	SRCRA Metals									Special Instructions
ST3-SP7-40	S	1 VOA 1 sleeve	2	8-20-96 1154	Methanol 4°C	X	X									Watch HOLD TIMES
BH2-40	S	VOA sleeve	2	8-20-96 1408	|	X	X									
BH2-40-MS	S	VOA jar	MEC 2	8-20-96 1409	|	X	X									
BH2-40-MSD	S	VOA jar	MEC 2	8-20-96 1410	|	X	X									
BH2-RB-1	A	jar VOA	3	8-20-96 1431	HCL 4°C	X	X									
BH2-FB-1	A	VOA	1	8-20-96 1440	Methanol 4°C	X										
BH2-70	S	VOA sleeve	2	8-21-96 0950	|	X	X									
BH2-90	S	|	|	8-21-96 1300	|	X	X									
BH1-20	S	|	|	8-22-96 0757	|	X	X									
BH1-40	S	|	|	8-22-96 0900	|	X	X									
BH1-70	S	|	|	8-22-96 1036	|	X	X									
MEOH BLANK - TRIP 1	A	VOA	1		|	X									

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	8/22/96 / 1347	Bill Ohlen	8/22/96 1347
Bill Ohlen	8/22/96 2:20pm		

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Relinquished By: Date /Time:

Received in Lab by: Date /Time: 8/22/96 2:20pm

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 23, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB2-20	Extracted: Aug 23, 1996
Attention: Steve Smith	Lab Number: 6080859	Analyzed: Sep 3, 1996
		Reported: Sep 6, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	94%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 23, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB2-40	Extracted: Aug 23, 1996
Attention: Steve Smith	Lab Number: 6080860	Analyzed: Sep 3, 1996
		Reported: Sep 6, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 23, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB2-60	Extracted: Aug 23, 1996
Attention: Steve Smith	Lab Number: 6080861	Analyzed: Sep 3, 1996
		Reported: Sep 6, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-35	Extracted: Aug 26, 1996
Attention: Steve Smith	Lab Number: 6080862	Analyzed: Aug 27, 1996
		Reported: Aug 28, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	2,000	N.D.
Bromoform	2,000	N.D.
Bromomethane	2,000	N.D.
Carbon tetrachloride	2,000	N.D.
Chlorobenzene	2,000	N.D.
Chloroethane	10,000	N.D.
2-Chloroethylvinyl ether	10,000	N.D.
Chloroform	2,000	N.D.
Chloromethane	2,000	N.D.
Dibromochloromethane	2,000	N.D.
1,2-Dichlorobenzene	4,000	N.D.
1,3-Dichlorobenzene	4,000	N.D.
1,4-Dichlorobenzene	4,000	N.D.
1,1-Dichloroethane	2,000	N.D.
1,2-Dichloroethane	2,000	N.D.
1,1-Dichloroethene	2,000	N.D.
cis-1,2-Dichloroethene	2,000	N.D.
trans-1,2-Dichloroethene	2,000	N.D.
1,2-Dichloropropane	2,000	N.D.
cis-1,3-Dichloropropene	2,000	N.D.
trans-1,3-Dichloropropene	2,000	N.D.
Methylene chloride	4,000	N.D.
1,1,2,2-Tetrachloroethane	2,000	N.D.
Tetrachloroethene	2,000	N.D.
1,1,1-Trichloroethane	2,000	N.D.
1,1,2-Trichloroethane	2,000	N.D.
Trichloroethene	**2,000**	**7,300**
Trichlorofluoromethane	2,000	N.D.
Vinyl Chloride	2,000	N.D.
Benzene	2,000	N.D.
Ethylbenzene	2,000	N.D.
Toluene	2,000	N.D.
Total Xylenes	4,000	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 40.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP2-40	Extracted: Aug 26, 1996
Attention: Steve Smith	Lab Number: 6080863	Analyzed: Aug 27, 1996
		Reported: Aug 28, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP3-40	Extracted: Aug 26, 1996
Attention: Steve Smith	Lab Number: 6080864	Analyzed: Aug 27, 1996
		Reported: Aug 28, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, ST3-SP3-40-FB	Extracted: Aug 26, 1996
Attention: Steve Smith	Lab Number: 6080865	Analyzed: Sep 4, 1996
		Reported: Sep 6, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	95%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Water, ST3-SP3-40-RB	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6080866	Analyzed: Aug 30, 1996
		Reported: Sep 6, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	103%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP4-25	Extracted: Aug 26, 1996
Attention: Steve Smith	Lab Number: 6080867	Analyzed: Aug 27, 1996
		Reported: Aug 28, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP5-40	Extracted: Aug 26, 1996
Attention: Steve Smith	Lab Number: 6080868	Analyzed: Aug 27, 1996
		Reported: Aug 28, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 23, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, Trip Blank	Extracted: Aug 23, 1996
Attention: Steve Smith	Lab Number: 6080873	Analyzed: Sep 4, 1996
		Reported: Sep 6, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 23, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB2-20	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080859	Analyzed: Aug 27-29, 1996
		Reported: Sep 6, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.4
Barium	6010	0.10	80
Cadmium	6010	0.10	0.28
Chromium	6010	0.50	20
Lead	6010	1.0	3.0
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 23, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, AB2-40	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080860	Analyzed: Aug 27-28, 1996
		Reported: Sep 6, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.6
Barium	6010	0.10	42
Cadmium	6010	0.10	0.42
Chromium	6010	0.50	9.6
Lead	6010	1.0	1.6
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB2-60
Lab Number: 6080861

Sampled: Aug 23, 1996
Received: Aug 26, 1996
Extracted: Aug 27, 1996
Analyzed: Aug 27-28, 1996
Reported: Sep 6, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.8
Barium	6010	0.10	65
Cadmium	6010	0.10	0.44
Chromium	6010	0.50	16
Lead	6010	1.0	2.0
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-35	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080862	Analyzed: Aug 27-29, 1996
		Reported: Sep 6, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.3
Barium	6010	0.10	94
Cadmium	6010	0.10	2.9
Chromium	6010	0.50	32
Lead	6010	1.0	120
Mercury	7471	0.0020	0.42
Selenium	6010	1.0	1.6
Silver	6010	0.50	51

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105

Sample Descript: Soil, ST3-SP2-40
Lab Number: 6080863

Sampled: Aug 26, 1996
Received: Aug 26, 1996
Extracted: Aug 27, 1996
Analyzed: Aug 27-28, 1996
Reported: Sep 6, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.2
Barium	6010	0.10	110
Cadmium	6010	0.10	0.46
Chromium	6010	0.50	19
Lead	6010	1.0	1.0
Mercury	7471	0.0020	0.0044
Selenium	6010	1.0	1.4
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-~~SP~~2-40	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080864 SP3 MEC 11/6/96	Analyzed: Aug 27-29, 1996
		Reported: Sep 6, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.6
Barium	6010	0.10	150
Cadmium	6010	0.10	0.46
Chromium	6010	0.50	21
Lead	6010	1.0	4.5
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105

Sample Descript: Water, ST3-SP3-40-RB
Lab Number: 6080866

Sampled: Aug 26, 1996
Received: Aug 26, 1996
Extracted: Sep 16-17, 1996
Analyzed: Sep 16-17, 1996
Reported: Sep 26, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP4-25	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080867	Analyzed: Aug 27-29, 1996
		Reported: Sep 6, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	0.91
Barium	6010	0.10	60
Cadmium	6010	0.10	0.21
Chromium	6010	0.50	13
Lead	6010	1.0	3.3
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 26, 1996
4636 E. University Drive, Ste. 145		Received: Aug 26, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP5-40	Extracted: Aug 27, 1996
Attention: Steve Smith	Lab Number: 6080868	Analyzed: Aug 27-28, 1996
		Reported: Sep 6, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.4
Barium	6010	0.10	130
Cadmium	6010	0.10	0.51
Chromium	6010	0.50	26
Lead	6010	1.0	2.2
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 3, 1996
Analyzed: Sep 3, 1996
Reported: Sep 6, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 27, 1996
Analyzed: Aug 27, 1996
Reported: Sep 6, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	**100**	**120**
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 30, 1996
Analyzed: Aug 30, 1996
Reported: Sep 6, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 27-30, 1996
Analyzed: Aug 27-30, 1996
Reported: Sep 6, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 16-17, 1996
Analyzed: Sep 16-17, 1996
Reported: Sep 26, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/03/96

Sample #: P6080943

Batch #: FI037B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	56	57	111	114	2.2	113	≤25	70 - 130
Chloroform	0	50	54	55	108	110	2.3	109	≤25	70 - 130
1,1-Dichloroethane	0	50	46	47	92	94	2.2	93	≤25	70 - 130
1,2-Dichloroethane	0	50	45	46	90	92	3.2	91	≤25	70 - 130
1,1-Dichloroethene	0	50	44	45	88	91	3.1	90	≤25	70 - 130
Tetrachloroethene	0	50	51	50	101	100	1.6	100	≤22	70 - 130
Toluene	11	50	57	57	92	92	0.35	92	≤25	70 - 130
Trichloroethene	0	50	50	54	100	109	8.1	104	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/27/96

Sample #: P6080759

Batch #: FH277B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	56	57	113	114	0.96	113	≤25	70 - 130
Chloroform	0	50	55	56	110	112	2.1	111	≤25	70 - 130
1,1-Dichloroethane	0	50	56	54	113	108	4.2	110	≤25	70 - 130
1,2-Dichloroethane	0	50	45	48	91	97	6.6	94	≤25	70 - 130
1,1-Dichloroethene	0	50	54	54	109	108	0.84	108	≤25	70 - 130
Tetrachloroethene	0	50	54	54	108	108	0.27	108	≤22	70 - 130
Toluene	0	50	54	54	109	108	0.42	108	≤25	70 - 130
Trichloroethene	0	50	57	52	113	104	8.8	109	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits ..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 8/30/96
Sample #: P6080820
Batch #: FH305A1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0.053	5.0	4.9	5.2	97%	104%	6.0	101%	≤ 10	70-130
Chloroform	0.73	5.0	5.5	5.7	950%	100%	5.4	98%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	5.6	5.8	112%	115%	3.1	114%	≤ 10	70-130
1,2-Dichloroethane	0	5.0	5.1	5.5	102%	109%	7.4	105%	≤ 10	70-130
1,1-Dichloroethene	0	5.0	5.9	5.9	119%	119%	0.14	119%	≤ 10	70-130
Tetrachloroethene	0.28	5.0	5.5	5.8	105%	110%	4.1	107%	≤ 10	70-130
Toluene	0.48	5.0	5.7	6.0	104%	110%	5.2	107%	≤ 10	70-130
Trichloroethene	0	5.0	5.4	5.6	107%	112%	'4.4	110%	≤ 10	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/30/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Cadmium	0	50	45	47	90%	94%	4.3%	92%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/28/96

Sample #: P6080860

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	4.6	50	54	52	99%	95%	3.8%	97%
Barium	42	50	92	90	100%	96%	2.2%	98%
Cadmium	0.24	50	47	46	94%	92%	2.2%	93%
Chromium	9.6	50	59	58	99%	97%	1.7%	98%
Copper	15	50	65	64	100%	98%	1.6%	99%
Lead	1.6	50	47	47	91%	91%	0.0%	91%
Molybdenum	0	50	47	46	94%	92%	2.2%	93%
Nickel	11	50	59	58	96%	94%	1.7%	95%
Phosphorus	370	250	620	610	100%	96%	1.6%	98%
Selenium	0.20	50	49	48	98%	96%	2.1%	97%
Silver	0	2.5	2.2	2.3	88%	92%	4.4%	90%
Sodium	140	1250	1200	1200	85%	85%	0.0%	85%
Thallium	0.61	50	45	44	89%	87%	2.2%	88%
Zinc	23	50	73	72	100%	98%	1.4%	99%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/28/96

Sample #: P6080771

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	5.6	50	45	44	79%	77%	2.2%	78%
Barium	59	50	98	97	78%	76%	1.0%	77%
Silver	0.16	2.5	2.3	2.3	86%	86%	0.0%	86%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/28/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Cadmium	0.013	50	50	49	100%	98%	2.0%	99%
Chromium	0.11	50	53	51	106%	102%	3.8%	104%
Lead	0.15	50	49	48	98%	96%	2.1%	97%
Selenium	0.083	50	48	48	96%	96%	0.0%	96%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/30/96

Sample #: P6080783

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	7.0	100	100	100	93%	93%	0.0%	93%
Barium	170	100	260	260	90%	90%	0.0%	90%
Chromium	23	100	120	120	97%	97%	0.0%	97%
Copper	21	100	110	120	89%	99%	8.7%	94%
Lead	3.0	100	94	95	91%	92%	1.1%	92%
Selenium	0.78	100	94	96	93%	95%	2.1%	94%
Silver	0	5.0	4.4	4.5	88%	90%	2.2%	89%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical QA/QC CRITERIA: All QA/QC was within acceptance limits

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/27/96

SAMPLE # P6080771

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	1.7	17	17	18	90%	96%	5.7%	93%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/27/96

SAMPLE # P6080861

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.90	17	16	17	89%	95%	6.1%	92%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 9/17/96

Sample #: P6080774

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0.0016	1.0	1.0	1.0	100%	100%	0.0%	100%
Barium	0.00012	1.0	0.96	0.96	96%	96%	0.0%	96%
Cadmium	0.00006	1.0	0.96	0.96	99%	100%	0.0%	99%
Chromium	0.00091	1.0	0.98	0.98	98%	98%	0.0%	98%
Lead	0.0013	1.0	0.97	0.98	97%	98%	1.0%	97%
Selenium	0.00022	1.0	0.98	0.99	98%	99%	1.0%	99%
Silica	0.25	21.39	21	21	97%	97%	0.0%	97%
Silver	0.0012	0.050	0.048	0.047	94%	92%	2.1%	93%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith / 894-2800

Sampler: Matthew Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	6 RCRA Metals									Special Instructions
AB2-20	S	1 VOA jar	2	8-23-96 0736	Methanol 4°C	X	X									Match Hold Times
AB2-40	S	1 sleeve	2	8-23-96 0830		X	X									
AB2-60	S		2	8-23-96 0948		X	X									
ST3-SP1-35	S		2	8-26-96 0837		X	X		24 hour Rush 8010/8020							
ST3-SP2-40	S		2	8-26-96 0946		X	X		24 hour Rush 8010/8020							
ST3-SP3-40	S		2	8-26-96 1053		X	X		24 hour Rush 8010/8020							
ST3-SP3-40-FB	A	1 VOA	1	8-26-96 1054		X										
ST3-SP3-40-RB	A	2 VOA 1 jar	3	8-26-96 1057	HCL 4°C	X	X									
ST3-SP4-25	S	2 VOA 1 sleeve	2	8-26-96 1145	Methanol 4°C	X	X		24 hour Rush 8010/8020							
ST3-SP5-40	S	1 VOA 1 sleeve	2	8-26-96 1403		X	X		24 hour Rush 8010/8020							
Trip Blank	Water	VOA	1	8/23		X										

Relinquished By: Matthew Conway Date /Time: 8-26-96/1433
Received by: [signature] Date /Time: 8/26/96 1433

Relinquished By: [signature] Date /Time: 8/26/96 1505
Received by: Date /Time:

Relinquished By: Date /Time:
Received in Lab by: [signature] Date /Time: 8/26/96 1505

Turnaround Time: (check)
same day ___ 72 hours ___
24 hours X 5 days ___
48 hours ___ normal X

Sample Integrity: (Check)
intact ___ on ice ___

Sample shall be discarded after 30 days

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST3-SP6-40
Lab Number: 6080874

Sampled: Aug 26, 1996
Received: Aug 26, 1996
Extracted: Aug 26, 1996
Analyzed: Aug 27, 1996
Reported: Aug 28, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST3-SP6-40
Lab Number: 6080874

Sampled: Aug 26, 1996
Received: Aug 26, 1996
Extracted: Aug 27-28, 1996
Analyzed: Aug 28, 1996
Reported: Aug 28, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.6
Barium	6010	0.10	83
Cadmium	6010	0.10	0.55
Chromium	6010	0.50	21
Lead	6010	1.0	3.0
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 27, 1996
Analyzed: Aug 27, 1996
Reported: Aug 28, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	**100**	**120**
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Aug 27-28, 1996
Analyzed: Aug 28, 199
Reported: Aug 28, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 08/27/96

Sample #: P6080759

Batch #: FH277B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	56	57	113	114	0.96	113	≤25	70 - 130
Chloroform	0	50	55	56	110	112	2.1	111	≤25	70 - 130
1,1-Dichloroethane	0	50	56	54	113	108	4.2	110	≤25	70 - 130
1,2-Dichloroethane	0	50	45	48	91	97	6.6	94	≤25	70 - 130
1,1-Dichloroethene	0	50	54	54	109	108	0.84	108	≤25	70 - 130
Tetrachloroethene	0	50	54	54	108	108	0.27	108	≤22	70 - 130
Toluene	0	50	54	54	109	108	0.42	108	≤25	70 - 130
Trichloroethene	0	50	57	52	113	104	8.8	109	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/27/96

SAMPLE # P6080771

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	1.7	17	17	18	90%	96%	5.7%	93%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/28/96

Sample #: P6080860

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	4.6	50	54	52	99%	95%	3.8%	97%
Barium	42	50	92	90	100%	96%	2.2%	98%
Cadmium	0.24	50	47	46	94%	92%	2.2%	93%
Chromium	9.6	50	59	58	99%	97%	1.7%	98%
Copper	15	50	65	64	100%	98%	1.6%	99%
Lead	1.6	50	47	47	91%	91%	0.0%	91%
Molybdenum	0	50	47	46	94%	92%	2.2%	93%
Nickel	11	50	59	58	96%	94%	1.7%	95%
Phosphorus	370	250	620	610	100%	96%	1.6%	98%
Selenium	0.20	50	49	48	98%	96%	2.1%	97%
Silver	0	2.5	2.2	2.3	88%	92%	4.4%	90%
Sodium	140	1250	1200	1200	85%	85%	0.0%	85%
Thallium	0.61	50	45	44	89%	87%	2.2%	88%
Zinc	23	50	73	72	100%	98%	1.4%	99%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO Search, Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith 1894-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metal								Special Instructions
ST3-SP6-40	S	VOA sleeve	2	8-26-96 1520	Methanol 4°C	X	X								

Relinquished By: Matthew Conway Date /Time: 8-26-96 / 1435

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: Date /Time: 8/26/96 1435

Turnaround Time: (check)
same day X
24 hours
48 hours
72 hours
5 days
normal

Sample Integrity: (Check)
intact ✓
on ice ✓

Note: Sample(s) be disposed of after 30 days.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB3-20
Lab Number: 6080984

Sampled: Aug 27, 1996
Received: Aug 28, 1996
Extracted: Aug 27, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB3-40
Lab Number: 6080985

Sampled: Aug 27, 1996
Received: Aug 28, 1996
Extracted: Aug 27, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB3-60
Lab Number: 6080986

Sampled: Aug 27, 199
Received: Aug 28, 199
Extracted: Aug 27, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB4-30
Lab Number: 6080987

Sampled: Aug 28, 199
Received: Aug 28, 199
Extracted: Aug 28, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Methanol, AB4-FBI
Lab Number: 6080990

Sampled: Aug 28, 1996
Received: Aug 28, 1996
Extracted: Aug 28, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	109%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Water, AB4-RBI
Lab Number: 9080991

Sampled: Aug 28, 19
Received: Aug 28, 19
Extracted: Sep 9, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	110%
aaa-Trifluorotoluene	115%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB4-40
Lab Number: 6080992

Sampled: Aug 28, 19
Received: Aug 28, 19
Extracted: Aug 28, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB4-60
Lab Number: 6080993

Sampled: Aug 28, 19
Received: Aug 28, 19
Extracted: Aug 28, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Methanol, Trip Blank
Lab Number: 6080994

Received: Aug 28, 1996
Extracted: Aug 28, 1996
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	96%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 27, 19
4636 E. University Drive, Ste. 145		Received: Aug 28, 19
Phoenix, AZ 85034	Sample Descript: Soil, AB3-20	Extracted: Aug 29-30, 1996
Attention: Steve Smith	Lab Number: 6080984	Analyzed: Aug 29-30, 1996
		Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.4
Barium	6010	0.10	48
Cadmium	6010	0.10	0.21
Chromium	6010	0.50	12
Lead	6010	1.0	1.1
Mercury	7471	0.0020	0.0021
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB3-40
Lab Number: 6080985

Sampled: Aug 27, 199
Received: Aug 28, 199
Extracted: Aug 29-30, 1996
Analyzed: Aug 29-30, 1996
Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.5
Barium	6010	0.10	87
Cadmium	6010	0.10	0.15
Chromium	6010	0.50	8.5
Lead	6010	1.0	2.3
Mercury	7471	0.0020	0.0035
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB3-60
Lab Number: 6080986

Sampled: Aug 27, 199
Received: Aug 28, 199
Extracted: Aug 29-30, 1996
Analyzed: Aug 29-30, 1996
Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.7
Barium	6010	0.10	26
Cadmium	6010	0.10	0.18
Chromium	6010	0.50	14
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	0.0073
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB4-30
Lab Number: 6080987

Sampled: Aug 27, 19
Received: Aug 28, 19
Extracted: 8/29-9/18, 1996
Analyzed: 8/29-9/18, 1996
Reported: Sep 19, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	0.71
Barium	6010	0.10	110
Cadmium	6010	0.10	0.24
Chromium	6010	0.50	18
Lead	6010	1.0	1.7
Mercury	7471	0.0080*	0.042
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 4.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Water, AB4-RBI
Lab Number: 6080991

Sampled: Aug 28, 19
Received: Aug 28, 19
Extracted: Aug 29-30, 1996
Analyzed: Aug 29-30, 1996
Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB4-40
Lab Number: 6080992

Sampled: Aug 28, 199
Received: Aug 28, 1996
Extracted: Aug 29-30, 1996
Analyzed: Aug 29-30, 1996
Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.4
Barium	6010	0.10	99
Cadmium	6010	0.10	0.25
Chromium	6010	0.50	19
Lead	6010	1.0	2.2
Mercury	7471	0.0020	0.018
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, AB4-60
Lab Number: 6080993

Sampled: Aug 28, 19
Received: Aug 28, 1996
Extracted: Aug 29-30, 1996
Analyzed: Aug 29-30, 1996
Reported: Sep 10, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.7
Barium	6010	0.10	88
Cadmium	6010	0.10	0.22
Chromium	6010	0.50	19
Lead	6010	1.0	1.4
Mercury	7471	0.0020	0.0058
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 9, 19
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 9, 19
Analyzed: Sep 9, 1996
Reported: Sep 10, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	109%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 8/29-9/18, 1996
Analyzed: 8/29-9/18, 1996
Reported: Sep 19, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 29-30, 1996
Analyzed: Sep 29-30, 1996
Reported: Sep 10, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/09/96

Sample #: P6080987

Batch #: FI097B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	56	53	113	107	5.7	110	≤25	70 - 130
Chloroform	0	50	55	54	110	109	0.96	109	≤25	70 - 130
1,1-Dichloroethane	0	50	62	58	124	115	7.3	119	≤25	70 - 130
,2-Dichloroethane	0	50	48	44	96	89	7.4	92	≤25	70 - 130
1,1-Dichloroethene	0	50	57	60	114	119	4.1	117	≤25	70 - 130
Tetrachloroethene	0	50	63	59	127	119	6.5	123	≤22	70 - 130
Toluene	11	50	60	57	98	92	5.6	95	≤25	70 - 130
Trichloroethene	1.3	50	61	59	119	114	4.0	117	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 9/9/96

Sample #: P6080991

Batch #:

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	4.7	4.6	94%	93%	2.0	94%	≤ 10	70-130
Chloroform	0	5.0	5.3	5.2	106%	104%	1.4	105%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	5.2	5.0	103%	100%	3.2	102%	≤ 10	70-130
1,2-Dichloroethane	0	5.0	4.9	4.9	99%	98%	0.26	99%	≤ 10	70-130
1,1-Dichloroethene	0	5.0	4.7	4.5	94%	89%	5.0	92%	≤ 10	70-130
Tetrachloroethene	0	5.0	4.8	4.6	96%	92%	4.0	94%	≤ 10	70-130
Toluene	0.12	5.0	4.8	4.7	93%	92%	1.0	93%	≤ 10	70-130
Trichloroethene	0.11	5.0	4.7	4.7	91%	92%	0.39	92%	≤ 10	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/30/96

Sample #: P6080888

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	510	500	1000	980	98%	94%	2.0%	96%
Barium	82	50	130	130	96%	96%	0.0%	96%
Cadmium	70	50	110	110	80%	80%	0.0%	80%
Chromium	55	500	530	520	95%	93%	1.9%	94%
Selenium	1800	500	2300	2300	100%	100%	0.0%	100%
Silver	25	25	50	49	100%	96%	2.0%	98%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

Del Mar Analytical

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/30/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Lead	0.038	50	47	47	94%	94%	0.0%	94%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/29/96

Sample #: P6080987

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	0.71	50	39	39	77%	77%	0.0%	77%
Barium	110	50	140	230	60%	240%	48.6%	150%
Cadmium	0.24	50	35	34	70%	68%	2.9%	69%
Chromium	18	50	57	56	78%	76%	1.8%	77%
Lead	1.7	50	36	36	69%	69%	0.0%	69%
Selenium	0.96	50	39	38	76%	74%	2.6%	75%
Silver	0	50	39	38	78%	76%	2.6%	77%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

Del Mar Analytical

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 8/30/96

Sample #: P6080985

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	3.5	50	47	48	87%	89%	2.1%	88%
Barium	87	50	130	140	86%	106%	7.4%	96%
Beryllium	0.33	50	44	44	87%	87%	0.0%	87%
Cadmium	0.15	50	41	41	82%	82%	0.0%	82%
Chromium	8.5	50	53	53	89%	89%	0.0%	89%
Copper	13	50	59	60	92%	94%	1.7%	93%
Lead	2.3	50	44	44	83%	83%	0.0%	83%
Nickel	13	50	54	55	82%	84%	1.8%	83%
Selenium	0.62	50	45	45	89%	89%	0.0%	89%
Silver	0	2.5	2.1	2.1	84%	84%	0.0%	84%
Thallium	1.3	50	41	41	79%	79%	0.0%	79%
Zinc	24	50	67	68	86%	88%	1.5%	87%

R1 . . . . . Result of Sample Analysis
Sp . . . . . Spike Concentration Added to Sample
MS . . . . . Matrix Spike Result
MSD . . . . . Matrix Spike Duplicate Result
PR1 . . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2 . . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD . . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO Search Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith/894-2800

Sampler: Matt Conway

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
AB3-20	S	1 VOA 1 sleeve	2	8.27.96 0924	Methanol 4°C	X	X								
AB3-40	S	|	2	8.27.96 1007	|	X	X								
AB3-60	S	|	2	8.27.96 1121	|	X	X								
AB4-30	S	|	2	8.28.96 0726	|	X	X								
AB4-30 MS	S	|	2	8.28.96 0728	|	X*	X	* Use Brass Sleeve AB4-30							
AB4-30 MSD	S	|	2	8.28.96 0729	|	X*	X	for 8010/8020 ms/msD &							
AB4-FB1	M	1 VOA	1	8.28.96 0730	|	X		Metals ms/msD							
AB4-RB1	A	2 VOA 1 jar	3	8.28.96 0732	HCL and 4°C	X	X								
AB4-40	S	1 VOA 1 sleeve	2	8.28.96 0758	Methanol 4°C	X	X								
AB4-60	S	1 VOA 1 sleeve	2	8.28.96 0956	|	X	X								
Trip Blank	M	1 VOA	1		|	X								

Analysis Required

Relinquished By: Matthew Conway Date/Time: 8/28/96 3:50pm

Received by: Date/Time:

Relinquished By: Date/Time:

Received by: Date/Time:

Relinquished By: Date/Time:

Received in Lab by: [illegible] Date/Time: 8/28/96 3:50pm

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) [illegible] be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Aug 28, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-40	Extracted:	Aug 28, 1996
Attention: Steve Smith	Lab Number: 6081054	Analyzed:	Sep 10, 1996
		Reported:	Sep 13, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**66**
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST3-SP1-50
Lab Number: 6081055

Sampled: Aug 28, 1996
Received: Aug 29, 1996
Extracted: Aug 28, 1996
Analyzed: Sep 10, 1996
Reported: Sep 13, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 28, 199[illegible]
4636 E. University Drive, Ste. 145		Received: Aug 29, 199[illegible]
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-60	Extracted: Aug 28, 1996
Attention: Steve Smith	Lab Number: 6081056	Analyzed: Sep 10, 1996
		Reported: Sep 13, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	95%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Aug 28, 199[illegible]
4636 E. University Drive, Ste. 145		Received:	Aug 29, 199[illegible]
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-70	Extracted:	Aug 28, 1996
Attention: Steve Smith	Lab Number: 6081057	Analyzed:	Sep 10, 1996
		Reported:	Sep 13, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 199
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-80	Extracted: Aug 29, 1996
Attention: Steve Smith	Lab Number: 6081058	Analyzed: Sep 10, 1996
		Reported: Sep 13, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, ST3-SP1-FB1	Extracted: Aug 29, 1996
Attention: Steve Smith	Lab Number: 6081059	Analyzed: Sep 10, 1996
		Reported: Sep 13, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Water, ST3-SP1-RB1	Extracted: Sep 9, 1996
Attention: Steve Smith	Lab Number: 6081060	Analyzed: Sep 9, 1996
		Reported: Sep 13, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	109%
aaa-Trifluorotoluene	119%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Aug 29, 199[illegible]
4636 E. University Drive, Ste. 145		Received:	Aug 29, 199[illegible]
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP4-25	Extracted:	Aug 29, 1996
Attention: Steve Smith	Lab Number: 6081061	Analyzed:	Sep 3, 1996
		Reported:	Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP5-25	Extracted: Aug 29, 1996
Attention: Steve Smith	Lab Number: 6081062	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 199[illegible]
4636 E. University Drive, Ste. 145		Received: Aug 29, 199[illegible]
Phoenix, AZ 85034	Sample Descript: Methanol, Trip Blank	Extracted: Aug 29, 1996
Attention: Steve Smith	Lab Number: 6081063	Analyzed: Sep 10, 1996
		Reported: Sep 13, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP6-25	Extracted: Aug 29, 1996
Attention: Steve Smith	Lab Number: 6081064	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Aug 29, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-25	Extracted:	Aug 29, 1996
Attention: Steve Smith	Lab Number: 6081065	Analyzed:	Sep 3, 1996
		Reported:	Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 28, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-40	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081054	Analyzed: 8/30-9/3, 1996
		Reported: Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.9
Barium	6010	0.10	52
Cadmium	6010	0.10	0.41
Chromium	6010	0.50	18
Lead	6010	1.0	3.5
Mercury	7471	0.0020	0.019
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 28, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-50	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081055	Analyzed: 8/30-9/3, 1996
		Reported: Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.4
Barium	6010	0.10	70
Cadmium	6010	0.10	0.26
Chromium	6010	0.50	11
Lead	6010	1.0	2.2
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 28, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-60	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081056	Analyzed: 8/30-9/3, 1996
		Reported: Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.6
Barium	6010	0.10	45
Cadmium	6010	0.10	0.25
Chromium	6010	0.50	12
Lead	6010	1.0	2.6
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 28, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-70	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081057	Analyzed: 8/30-9/3, 1996
		Reported: Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.3
Barium	6010	0.10	27
Cadmium	6010	0.10	0.16
Chromium	6010	0.50	8.3
Lead	6010	1.0	1.8
Mercury	7471	0.0020	0.0021
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-SP1-80	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081058	Analyzed: 8/30-9/3, 1996
		Reported: Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.3
Barium	6010	0.10	80
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	20
Lead	6010	1.0	1.8
Mercury	7471	0.0020	0.0041
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Water, ST3-SP1-RB1	Extracted: Sep 17-19, 1996
Attention: Steve Smith	Lab Number: 6081060	Analyzed: Sep 17-19, 1996
		Reported: Sep 19, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP4-25	Extracted: 8/30-9/3, 1996
Attention: Steve Smith	Lab Number: 6081061	Analyzed: Sep 3, 1996
		Reported: Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.6
Barium	6010	0.10	56
Cadmium	6010	0.10	0.40
Chromium	6010	0.50	21
Lead	6010	1.0	5.4
Mercury	7471	0.0020	0.014
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Aug 29, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP5-25	Extracted:	8/30-9/3, 1996
Attention: Steve Smith	Lab Number: 6081062	Analyzed:	Sep 3, 1996
		Reported:	Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.6
Barium	6010	0.10	76
Cadmium	6010	0.10	0.54
Chromium	6010	0.50	19
Lead	6010	1.0	34
Mercury	7471	0.0020	0.0057
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Aug 29, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP6-25	Extracted:	8/30-9/3, 1996
Attention: Steve Smith	Lab Number: 6081064	Analyzed:	Sep 3, 1996
		Reported:	Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.5
Barium	6010	0.10	72
Cadmium	6010	0.10	0.17
Chromium	6010	0.50	8.6
Lead	6010	1.0	4.9
Mercury	7471	0.0020	0.0070
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 29, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-25	Extracted: 8/30-9/3, 1996
Attention: Steve Smith	Lab Number: 6081065	Analyzed: Sep 3, 1996
		Reported: Sep 13, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.1
Barium	6010	0.10	79
Cadmium	6010	0.10	0.24
Chromium	6010	0.50	16
Lead	6010	1.0	2.9
Mercury	7471	0.0020	0.0023
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 3, 1996
Analyzed: Sep 3, 1996
Reported: Sep 4, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 10, 1996
Analyzed: Sep 10, 1996
Reported: Sep 13, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	108%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 9, 1996
Analyzed: Sep 9, 1996
Reported: Sep 13, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	109%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: 8/30-9/3, 1996
Analyzed: 8/30-9/19, 1996
Reported: Sep 19, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 17-19, 1996
Analyzed: Sep 17-19, 1996
Reported: Sep 13, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 9/9/96
Sample #: P6080991
Batch #:

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	4.7	4.6	94%	93%	2.0	94%	≤ 10	70-130
Chloroform	0	5.0	5.3	5.2	106%	104%	1.4	105%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	5.2	5.0	103%	100%	3.2	102%	≤ 10	70-130
1,2-Dichloroethane	0	5.0	4.9	4.9	99%	98%	0.26	99%	≤ 10	70-130
1,1-Dichloroethene	0	5.0	4.7	4.5	94%	89%	5.0	92%	≤ 10	70-130
Tetrachloroethene	0	5.0	4.8	4.6	96%	92%	4.0	94%	≤ 10	70-130
Toluene	0.12	5.0	4.8	4.7	93%	92%	1.0	93%	≤ 10	70-130
Trichloroethene	0.11	5.0	4.7	4.7	91%	92%	0.39	92%	≤ 10	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/10/96

Sample #: P6090063

Batch #: FI107B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	45	45	90	89	1.4	90	≤25	70 - 130
Chloroform	1.0	50	44	47	86	92	7.2	89	≤25	70 - 130
1,1-Dichloroethane	0	50	47	49	94	98	4.2	96	≤25	70 - 130
1,2-Dichloroethane	0	50	35	36	70	71	1.4	71	≤25	70 - 130
1,1-Dichloroethene	0	50	45	52	91	103	13	97	≤25	70 - 130
Tetrachloroethene	0	50	47	45	94	90	3.6	92	≤22	70 - 130
Toluene	8.1	50	50	48	83	80	3.2	82	≤25	70 - 130
Trichloroethene	0	50	46	48	91	96	4.9	93	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/03/96

Sample #: P6080943

Batch #: FI037B1S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	56	57	111	114	2.2	113	≤25	70 - 130
Chloroform	0	50	54	55	108	110	2.3	109	≤25	70 - 130
1,1-Dichloroethane	0	50	46	47	92	94	2.2	93	≤25	70 - 130
1,2-Dichloroethane	0	50	45	46	90	92	3.2	91	≤25	70 - 130
1,1-Dichloroethene	0	50	44	45	88	91	3.1	90	≤25	70 - 130
Tetrachloroethene	0	50	51	50	101	100	1.6	100	≤22	70 - 130
Toluene	11	50	57	57	92	92	0.35	92	≤25	70 - 130
Trichloroethene	0	50	50	54	100	109	8.1	104	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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LCS DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/10/96

Batch #: FI107B1S

Analyte	Spike Conc.	Result	% Recovery	ACP
Benzene	5.0	4.7	93	80 - 120 %
Chloroform	5.0	4.9	99	80 - 120 %
1,1-Dichloroethane	5.0	5.5	111	80 - 120 %
1,2-Dichloroethane	5.0	4.0	80	80 - 120 %
1,1-Dichloroethene	5.0	4.4	88	80 - 120 %
Tetrachloroethene	5.0	5.3	106	80 - 120 %
Toluene	5.0	4.6	92	80 - 120 %
Trichloroethene	5.0	5.1	102	80 - 120 %

Definition of Terms

LCS ..... Laboratory Control Sample
Spike Conc ..... Result of Sample Analysis
Result ..... Result of Laboratory Control Sample Analysis
%Recovery ..... Percent Recovery of LCS; ((Result - Spike Conc.) / Spike Conc.) X 100
ACP ..... Acceptance Limits for Percent Recovery

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/3/96

Sample #: P6081052

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	0	50	54	53	108%	106%	1.9%	107%
Arsenic	3.4	50	48	49	89%	91%	2.1%	90%
Barium	80	50	120	130	80%	100%	8.0%	90%
Beryllium	0.29	50	45	45	89%	89%	0.0%	89%
Cadmium	0.16	50	41	40	82%	80%	2.5%	81%
Chromium	13	50	60	60	94%	94%	0.0%	94%
Copper	11	50	54	54	86%	86%	0.0%	86%
Lead	1.8	50	41	41	78%	78%	0.0%	78%
Nickel	11	50	52	52	82%	82%	0.0%	82%
Selenium	0.40	50	43	43	85%	85%	0.0%	85%
Silver	0	50	43	43	86%	86%	0.0%	86%
Thallium	0.59	50	44	44	87%	87%	0.0%	87%
Zinc	20	50	66	66	92%	92%	0.0%	92%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/3/96

Sample #: P6081058

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	4.3	50	54	55	99%	101%	1.8%	100%
Barium	80	50	130	130	100%	100%	0.0%	100%
Cadmium	0	50	43	42	86%	84%	2.4%	85%
Chromium	20	50	67	68	94%	96%	1.5%	95%
Lead	1.8	50	45	45	86%	86%	0.0%	86%
Selenium	0.47	50	50	50	99%	99%	0.0%	99%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/3/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Silver	0	50	47	48	94%	96%	2.1%	95%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 8/30/96

SAMPLE # P6080985

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	3.5	16.6	19	18	93%	87%	5.4%	90%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 9/17/96

Sample #: P6080774

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0.0016	1.0	1.0	1.0	100%	100%	0.0%	100%
Barium	0.00012	1.0	0.96	0.96	96%	96%	0.0%	96%
Cadmium	0.00006	1.0	0.96	0.96	99%	100%	0.0%	99%
Chromium	0.00091	1.0	0.98	0.98	98%	98%	0.0%	98%
Lead	0.0013	1.0	0.97	0.98	97%	98%	1.0%	97%
Selenium	0.00022	1.0	0.98	0.99	98%	99%	1.0%	99%
Silica	0.25	21.39	21	21	97%	97%	0.0%	97%
Silver	0.0012	0.050	0.048	0.047	94%	92%	2.1%	93%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7470
Matrix: Water

DATE: 9/19/96

SAMPLE # P6090162

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.023	5.0	5.4	5.4	108%	108%	0.0%	108%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO Search, Inc

Project/PO Number: 609708313/105

Project Manager/Phone Number: Steve Smith

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
ST3-SP1-40	S	1 VOA 1 sleeve	2	8.28.96 1322	Methanol 4°C	X	X								
ST3-SP1-50	S	|	2	8.28.96 1340	|	X	X								
ST3-SP1-60	S	|	2	8.28.96 1404	|	X	X								
ST3-SP1-70	S	|	2	8.28.96 1432	|	X	X								
ST3-SP1-80	S	|	2	8.29.96 0755	|	X	X								
ST3-SP1-FB1	M	1 VOA	1	8.29.96 0756	|	X									
ST3-SP1-RB1	A	2 VOA 1 jar	3	8.29.96 0759	HCL 4°C	X	X								
ST4-SP4-25	S	1 VOA 1 sleeve	2	8.29.96 1007	Methanol 4°C	X	X		48 hour Turn on 8010/8020						
ST4-SP5-25	S	1 VOA 1 sleeve	2	8.29.96 1045	|	X	X		48 hour Turn on 8010/8020						
TRIP BLANK	M	1 VOA	1	8.29.96	|	X									
ST4-SP6-25	S ~~DA~~ MCC	1 VOA 1 sleeve	2	8.29.96 1307	|	X	X		48 hour Turn on 8010/8020						
ST4-SP7-25	S	1 VOA 1 sleeve	2	8.29.96 1410		X	X		48 hour Turn on 8010/8020						

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	8.29.96 / 1458	[illegible]	8-29-96 1458
[illegible]	8-29-96 / 1531		
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
		Robin Ric	8/29/96 1531

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours X normal X

Sample Integrity: (Check)
intact / on ice ____

Note: Sample(s) will be disposed of after 30 days

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP8-50	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081130	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	101%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 30, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP1-50	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081131	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 30, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP2-25	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081132	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 30, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP3-25	Extracted: Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081133	Analyzed: Sep 3, 1996
		Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Aug 30, 1996
4636 E. University Drive, Ste. 145		Received:	Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP9-25	Extracted:	Aug 30, 1996
Attention: Steve Smith	Lab Number: 6081134	Analyzed:	Sep 3, 1996
		Reported:	Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Methanol, Trip Blank
Lab Number: 6081135

Received: Aug 30, 1996
Extracted: Aug 30, 1996
Analyzed: Sep 3, 1996
Reported: Sep 4, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	94%
aaa-Trifluorotoluene	100%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 29, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP8-50	Extracted: Sep 4-10, 1996
Attention: Steve Smith	Lab Number: 6081130	Analyzed: Sep 6-10, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.4
Barium	6010	0.10	110
Cadmium	6010	0.10	2.7
Chromium	6010	0.50	17
Lead	6010	1.0	3.7
Mercury	7471	0.0020	0.022
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 30, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP1-50	Extracted: Sep 3-4, 1996
Attention: Steve Smith	Lab Number: 6081131	Analyzed: Sep 3-6, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.2
Barium	6010	0.10	130
Cadmium	6010	0.10	0.16
Chromium	6010	0.50	12
Lead	6010	1.0	5.9
Mercury	7471	0.0020	0.013
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 30, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP2-25	Extracted: Sep 4-10, 1996
Attention: Steve Smith	Lab Number: 6081132	Analyzed: Sep 6-10, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.6
Barium	6010	0.10	30
Cadmium	6010	0.10	0.15
Chromium	6010	0.50	8.0
Lead	6010	1.0	2.3
Mercury	7471	0.020*	0.039
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 30, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP3-25	Extracted: Sep 4-10, 1996
Attention: Steve Smith	Lab Number: 6081133	Analyzed: Sep 6-10, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.0
Barium	6010	0.10	35
Cadmium	6010	0.10	0.18
Chromium	6010	0.50	15
Lead	6010	1.0	3.1
Mercury	7471	0.0020	0.044
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

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Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Aug 30, 1996
4636 E. University Drive, Ste. 145		Received: Aug 30, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP9-25	Extracted: Sep 4-13, 1996
Attention: Steve Smith	Lab Number: 6081134	Analyzed: Sep 6-13, 1996
		Reported: Sep 16, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.1
Barium	6010	0.10	57
Cadmium	6010	0.10	0.19
Chromium	6010	0.50	13
Lead	6010	1.0	3.9
Mercury	7471	0.0020	0.0021
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 3, 1996
Analyzed: Sep 3, 1996
Reported: Sep 4, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 3-13, 1996
Analyzed: Sep 3-13, 1996
Reported: Sep 16, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/03/96

Sample #: P6080943

Batch #: FI037B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	56	57	111	114	2.2	113	≤25	70 - 130
Chloroform	0	50	54	55	108	110	2.3	109	≤25	70 - 130
1,1-Dichloroethane	0	50	46	47	92	94	2.2	93	≤25	70 - 130
,2-Dichloroethane	0	50	45	46	90	92	3.2	91	≤25	70 - 130
1,1-Dichloroethene	0	50	44	45	88	91	3.1	90	≤25	70 - 130
Tetrachloroethene	0	50	51	50	101	100	1.6	100	≤22	70 - 130
Toluene	11	50	57	57	92	92	0.35	92	≤25	70 - 130
Trichloroethene	0	50	50	54	100	109	8.1	104	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/6/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Lead	0.27	50	50	50	99%	99%	0.0%	99%
Silver	0.06	50	46	55	92%	110%	17.8%	101%
Zinc	0.70	50	50	50	99%	99%	0.0%	99%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/6/96

Sample #: P6090037

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	0	50	51	50	102%	100%	2.0%	101%
Arsenic	3.0	50	50	50	94%	94%	0.0%	94%
Barium	250	50	300	300	100%	100%	0.0%	100%
Beryllium	0.62	50	46	46	91%	91%	0.0%	91%
Cadmium	2.6	50	46	46	87%	87%	0.0%	87%
Chromium	26	50	72	72	92%	92%	0.0%	92%
Copper	48	50	93	93	90%	90%	0.0%	90%
Nickel	18	50	61	61	86%	86%	0.0%	86%
Selenium	1.2	50	46	46	90%	90%	0.0%	90%
Thallium	1.9	50	42	42	80%	80%	0.0%	80%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 9/10/96

SAMPLE # P6090081

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	3.2	16.6	20	18	101%	89%	10.5%	95%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 9/10/96

SAMPLE # P6090071

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	9.9	16.55	27	28	103%	109%	3.6%	106%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 9/3/96

SAMPLE # P6081065

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	2.3	16.7	20	20	106%	106%	0.0%	106%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 9/13/96

SAMPLE # P6090402

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	2.7	17	19	19	96%	96%	0.0%	96%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith / 894-2800

Sampler: Matt Conway

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
ST4-SP8-50	S	1 VOA 1 Sleeve	2	8.29.96 1507	Methanol 4oC	X	X			48 TAT ON 8010 | 8020					
ST4-SP1-50	S	1 VOA 1 Sleeve	2	8.30.96 0816		X	X			48 TAT ON 8010 | 8020					
ST4-SP2-25 MEC	S	1 VOA 1 Sleeve	2	8.30.96 0900		X	X			48 TAT ON 8010 | 8020					
ST4-SP3-25	S	1 VOA 1 Sleeve	2	8.30.96 1005		X	X			48 TAT ON 8010 | 8020					
ST4-SP9-25	S	1 VOA 1 Sleeve	2	8.30.96 1042		X	X			48 TAT ON 8010 | 8020					
Trip Blank			1			X									

Relinquished By: Matthew Conway Date /Time: 8-30-96 / 1147

Received by: Date /Time:

Relinquished By: Date /Time:

Received by: Date /Time:

Relinquished By: Date /Time:

Received in Lab by: [illegible] Date /Time: 8/30/96 1147

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours X normal X

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105

Sample Descript: Water, BH3-RB1
Lab Number: 6090066

Sampled: Sep 3, 1996
Received: Sep 4, 1996
Extracted: Sep 9, 1996
Analyzed: Sep 9, 1996
Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	**1.0**	**1.9**
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 3, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, BH3-FB1	Extracted: Sep 3, 1996
Attention: Steve Smith	Lab Number: 6090067	Analyzed: Sep 11, 1996
		Reported: Sep 17, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 3, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH3-20	Extracted: Sep 3, 1996
Attention: Steve Smith	Lab Number: 6090068	Analyzed: Sep 11, 1996
		Reported: Sep 17, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 3, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH3-40	Extracted: Sep 3, 1996
Attention: Steve Smith	Lab Number: 6090069	Analyzed: Sep 11, 1996
		Reported: Sep 17, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 3, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH3-80	Extracted: Sep 3, 1996
Attention: Steve Smith	Lab Number: 6090070	Analyzed: Sep 11, 1996
		Reported: Sep 17, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	105%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 10	Extracted: Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090071	Analyzed: Sep 12, 1996
		Reported: Sep 17, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	94%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 20	Extracted: Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090074	Analyzed: Sep 11, 1996
		Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105

Sample Descript: Soil, VB-BOX 30
Lab Number: 6090075

Sampled: Sep 4, 1996
Received: Sep 4, 1996
Extracted: Sep 4, 1996
Analyzed: Sep 11, 1996
Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	106%
aaa-Trifluorotoluene	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 40	Extracted: Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090076	Analyzed: Sep 11, 1996
		Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 50	Extracted: Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090077	Analyzed: Sep 11, 1996
		Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, VB-BOX FB1	Extracted: Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090078	Analyzed: Sep 11, 1996
		Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Water, VB-BOX RB1	Analyzed: Sep 9, 1996
Attention: Steve Smith	Lab Number: 6090079	Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	**1.0**	**1.5**
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
aaa-Trifluorotoluene	104%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 60	Extracted: Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090080	Analyzed: Sep 11, 1996
		Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 70	Extracted: Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090081	Analyzed: Sep 11, 1996
		Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	90%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 80	Extracted: Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090082	Analyzed: Sep 11, 1996
		Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	92%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105
Sample Descript: Soil, VB-BOX 85
Lab Number: 6090083

Sampled: Sep 4, 1996
Received: Sep 4, 1996
Extracted: Sep 4, 1996
Analyzed: Sep 11, 1996
Reported: Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313-105		
4636 E. University Drive, Ste. 145		Received:	Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: ~~Soil~~ Water, Trip Blank MEC 11/6/96	Extracted:	Sep 4, 1996
Attention: Steve Smith	Lab Number: 6090084	Analyzed:	Sep 11, 1996
		Reported:	Sep 24, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 3, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Water, BH3-RB1	Extracted: Sep 11-16, 1996
Attention: Steve Smith	Lab Number: 6090066	Analyzed: Sep 11-16, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105

Sample Descript: Soil, BH3-20
Lab Number: 6090068

Sampled: Sep 3, 1996
Received: Sep 4, 1996
Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.3
Barium	6010	0.10	95
Cadmium	6010	0.10	0.20
Chromium	6010	0.50	26
Lead	6010	1.0	4.5
Mercury	7471	0.0020	0.0046
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 3, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH3-40	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090069	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.9
Barium	6010	0.10	23
Cadmium	6010	0.10	0.12
Chromium	6010	0.50	20
Lead	6010	1.0	2.6
Mercury	7471	0.0020	0.0026
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 3, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, BH3-80	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090070	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.0
Barium	6010	0.10	57
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	34
Lead	6010	1.0	2.3
Mercury	7471	0.0020	0.0046
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105

Sample Descript: Soil, VB-BOX 10
Lab Number: 6090071

Sampled: Sep 4, 1996
Received: Sep 4, 1996
Extracted: Sep 10-25, 1996
Analyzed: Sep 10-26, 1996
Revised: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.9
Barium	6010	0.10	100
Cadmium	6010	0.10	0.23
Chromium	6010	0.50	25
Lead	6010	1.0	39
Mercury	7471	0.0020	0.0099
Selenium	6010	1.0	4.3
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105
Sample Descript: Soil, VB-BOX 20
Lab Number: 6090074

Sampled: Sep 4, 1996
Received: Sep 4, 1996
Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.2
Barium	6010	0.10	39
Cadmium	6010	0.10	0.12
Chromium	6010	0.50	14
Lead	6010	1.0	3.0
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 30	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090075	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	9.8
Barium	6010	0.10	65
Cadmium	6010	0.10	0.26
Chromium	6010	0.50	16
Lead	6010	1.0	3.1
Mercury	7471	0.0020	0.0051
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 40	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090076	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.6
Barium	6010	0.10	73
Cadmium	6010	0.10	0.11
Chromium	6010	0.50	15
Lead	6010	1.0	2.9
Mercury	7471	0.0020	0.0024
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 50	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090077	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.7
Barium	6010	0.10	50
Cadmium	6010	0.10	0.11
Chromium	6010	0.50	13
Lead	6010	1.0	2.3
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Water, VB-BOX RB1	Extracted: Sep 11-16, 1996
Attention: Steve Smith	Lab Number: 6090079	Analyzed: Sep 11-16, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 60	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090080	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.2
Barium	6010	0.10	26
Cadmium	6010	0.10	0.13
Chromium	6010	0.50	14
Lead	6010	1.0	3.7
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 70	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090081	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.1
Barium	6010	0.10	43
Cadmium	6010	0.10	0.19
Chromium	6010	0.50	22
Lead	6010	1.0	3.4
Mercury	7471	0.0020	0.0032
Selenium	6010	1.0	1.1
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 80	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090082	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	12
Barium	6010	0.10	81
Cadmium	6010	0.10	0.27
Chromium	6010	0.50	29
Lead	6010	1.0	2.2
Mercury	7471	0.0020	0.0024
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Sep 4, 1996
4636 E. University Drive, Ste. 145		Received: Sep 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, VB-BOX 85	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090083	Analyzed: Sep 10-12, 1996
		Reported: Sep 24, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.3
Barium	6010	0.10	40
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	13
Lead	6010	1.0	2.4
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Analyzed: Sep 9, 1996
Reported: Sep 24, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	109%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 11, 1996
Analyzed: Sep 11, 1996
Reported: Sep 24, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	101%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 12, 1996
Analyzed: Sep 12, 1996
Reported: Sep 24, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 11-16, 1996
Analyzed: Sep 11-16, 1996
Reported: Sep 24, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7470	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 24, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 9/9/96
Sample #: P6080991
Batch #:

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	4.7	4.6	94%	93%	2.0	94%	≤ 10	70-130
Chloroform	0	5.0	5.3	5.2	106%	104%	1.4	105%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	5.2	5.0	103%	100%	3.2	102%	≤ 10	70-130
1,2-Dichloroethane	0	5.0	4.9	4.9	99%	98%	0.26	99%	≤ 10	70-130
1,1-Dichloroethene	0	5.0	4.7	4.5	94%	89%	5.0	92%	≤ 10	70-130
Tetrachloroethene	0	5.0	4.8	4.6	96%	92%	4.0	94%	≤ 10	70-130
Toluene	0.12	5.0	4.8	4.7	93%	92%	1.0	93%	≤ 10	70-130
Trichloroethene	0.11	5.0	4.7	4.7	91%	92%	0.39	92%	≤ 10	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/11/96

Sample #: P6090205

Batch #: FI117B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	51	46	101	93	9.1	97	≤25	70 - 130
Chloroform	0.97	50	49	43	95	84	13	90	≤25	70 - 130
1,1-Dichloroethane	0	50	50	42	101	85	17	93	≤25	70 - 130
1,2-Dichloroethane	0	50	38	35	76	70	8.4	73	≤25	70 - 130
1,1-Dichloroethene	0	50	52	45	105	90	15	97	≤25	70 - 130
Tetrachloroethene	0	50	53	47	106	94	13	100	≤22	70 - 130
Toluene	7.4	50	55	51	96	87	9.7	92	≤25	70 - 130
Trichloroethene	0	50	52	44	104	88	16	96	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/12/96

Sample #: P6090071

Batch #: FI127B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	49	51	98	103	5.1	100	≤25	70 - 130
Chloroform	0	50	45	53	91	106	16	98	≤25	70 - 130
1,1-Dichloroethane	0	50	47	55	94	111	17	102	≤25	70 - 130
1,2-Dichloroethane	0	50	37	43	74	85	14	80	≤25	70 - 130
1,1-Dichloroethene	0	50	49	55	98	110	12	104	≤25	70 - 130
Tetrachloroethene	0	50	52	57	105	115	9.3	110	≤22	70 - 130
Toluene	9.0	50	53	55	88	93	5.7	90	≤25	70 - 130
Trichloroethene	14	50	54	60	79	92	15	86	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

EPA METHOD: 245.1
Matrix: Water

DATE: 9/16/96

SAMPLE # P6090055

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.047	5.0	5.6	5.5	111%	109%	1.8%	110%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 9/11/96

Sample #: P6090234

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0	1.0	1.1	1.1	110%	110%	0.0%	110%
Barium	0.11	1.0	1.1	1.1	99%	99%	0.0%	99%
Cadmium	0	1.0	0.98	0.99	99%	100%	1.0%	99%
Chromium	0.012	1.0	1.0	1.0	99%	99%	0.0%	99%
Cobalt	0.00094	1.0	0.99	1.0	99%	100%	1.0%	99%
Iron	0.016	1.0	1.1	1.1	108%	108%	0.0%	108%
Lead	0.000	1.0	0.98	0.99	98%	99%	1.0%	99%
Magnesium	0.18	10	10	10	98%	98%	0.0%	98%
Manganese	0.0022	1.0	0.99	1.0	99%	100%	1.0%	99%
Molybdenum	0.097	1.0	1.1	1.1	100%	100%	0.0%	100%
Nickel	0	1.0	0.97	0.98	97%	98%	1.0%	98%
Selenium	0.0026	1.0	1.0	1.0	100%	100%	0.0%	100%
Silver	0.0026	0.050	0.048	0.047	91%	89%	2.1%	90%
Zinc	0.0046	1.0	1.1	1.1	110%	110%	0.0%	110%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 9/10/96

SAMPLE # P6090071

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	9.9	16.55	27	28	103%	109%	3.6%	106%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/12/96

Sample #: P6090068

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	8.3	50	53	52	89%	87%	1.9%	88%
Barium	95	50	150	150	110%	110%	0.0%	110%
Cadmium	0.20	50	44	44	88%	88%	0.0%	88%
Chromium	26	50	66	65	80%	78%	1.5%	79%
Lead	4.5	50	47	48	85%	87%	2.1%	86%
Selenium	0.92	50	44	45	86%	88%	2.2%	87%
Silver	0	50	42	42	84%	84%	0.0%	84%

R1 . . . . . Result of Sample Analysis
Sp . . . . . Spike Concentration Added to Sample
MS . . . . . Matrix Spike Result
MSD . . . . . Matrix Spike Duplicate Result
PR1 . . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2 . . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD . . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/12/96

Sample #: P6090077

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	4.7	50	54	55	99%	101%	1.8%	100%
Barium	50	50	100	100	100%	100%	0.0%	100%
Cadmium	0.11	50	47	47	94%	94%	0.0%	94%
Chromium	13	50	61	61	96%	96%	0.0%	96%
Lead	2.3	50	47	48	89%	91%	2.1%	90%
Selenium	0.38	50	51	51	101%	101%	0.0%	101%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/26/96

Sample #: *P6090071

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	4.9	50	43	42	76%	74%	2.4%	75%
Barium	100	50	150	140	100%	80%	6.9%	90%
Cadmium	0.23	50	40	36	80%	72%	10.5%	76%
Chromium	25	50	66	66	82%	82%	0.0%	82%
Lead	3.9	50	40	40	72%	72%	0.0%	72%
Selenium	4.3	50	42	40	75%	71%	4.9%	73%
Silver	0	50	40	39	80%	78%	2.5%	79%

***Site Specific MS/MSD**

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/26/96

Sample #: P6090071

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	4.9	50	51	51	92%	92%	0.0%	92%
Barium	100	50	160	160	120%	120%	0.0%	120%
Cadmium	0.28	50	44	44	87%	87%	0.0%	87%
Chromium	25	50	73	73	96%	96%	0.0%	96%
Lead	3.9	50	49	49	90%	90%	0.0%	90%
Selenium	4.3	50	50	50	91%	91%	0.0%	91%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: HydroSearch, Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith/894-2800

Sampler: Matthew Conway

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
BH3-RB1	A	2 VOA 1 jar	3	9.3.96 0845	HCL 4°C	X	X								
BH3-FB1	A	1 VOA	1	9.3.96 0908	Methanol 4°C	X									
BH3-20	S	1 VOA 1 Sleeve	2	9.3.96 0910		X	X								
BH3-40	S	1 VOA 1 Sleeve	2	9.3.96 0950		X	X								
BH3-80	S	1 VOA 1 Sleeve	2	9.3.96 1240		X	X							*	For Site-Specific MS/MSD
VB-BOX10	S	1 VOA 1 Sleeve	2	9.4.96 0812		X	X								
VB-BOX10MS	S	1 VOA	1	9.4.96 0814		X	X	*							Use VB-BOX10 for Metals, 5010/5020
VB-BOX10MSD	S	1 VOA	1	9.4.96 0816		X	X	*							Use VB-BOX10 for Metals, 5010/5020
VB-BOX20	S	1 VOA 1 Sleeve	2	9.4.96 0830		X	X								
VB-BOX30	S	1 VOA 1 Sleeve	2	9.4.96 0851		X	X								
VB-BOX40	S	1 VOA 1 Sleeve	2	9.4.96 0910		X	X								
VB-BOX50	S	1 VOA 1 Sleeve	2	9.4.96 0935		X	X								
VB-BOX-FB1	A	1 VOA	1	9.4.96 0936		X									
VB-BOX-RB1	A	2 VOA 1 jar	3	9.4.96 1000	HCL 4°C	X	X								

Relinquished By: Matthew Conway Date/Time: 9.4.96/1452

Received by: Date/Time:

Relinquished By: Date/Time:

Received by: Date/Time:

Relinquished By: Date/Time:

Received in Lab by: Robyn Rice Date/Time: 9/4/96 1452

Analysis Required

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HYDRO Search, Inc

Project/PO Number: 608708313/105

Project Manager/Phone Number: Steve Smith/894-2800

Sampler: Matthew Conway

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	Total Metals								Special Instructions
VB-BOX60	S	1VOA 1sleeve	2	9.4.96 1008	Methanol 4°C	X	X								
VB-BOX70	S		2	9.4.96 1034		X	X								
VB-BOX80	S		2	9.4.96 1105		X	X								
VB-BOX85	S		2	9.4.96 1125		X	X								
Trip Blank	A	1VOA	1		HCl	X									

Relinquished By:	Date/Time:	Received by:	Date/Time:
Matthew Conway	9.4.96/1452		
Relinquished By:	Date/Time:	Received by:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab by: Robert Rice	Date/Time: 9/4/96 1452

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP8-55
Lab Number: 6090244

Sampled: Sep 5, 1996
Received: Sep 9, 1996
Extracted: Sep 5, 1996
Analyzed: Sep 12, 1996
Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Sep 5, 1996
4636 E. University Drive, Ste. 145		Received:	Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP8-65	Extracted:	Sep 5, 1996
Attention: Steve Smith	Lab Number: 6090245	Analyzed:	Sep 12, 1996
		Reported:	Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 5, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Sludge, EP Sludge	Extracted: Sep 5, 1996
Attention: Steve Smith	Lab Number: 6090246	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP8-75	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090247	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Water, EP Water	Extracted: Sep 19, 1996
Attention: Steve Smith	Lab Number: 6090248	Analyzed: Sep 19, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	**0.50**	**28**
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Water, ST4-SP8-RB1	Extracted: Sep 18, 1996
Attention: Steve Smith	Lab Number: 6090249	Analyzed: Sep 18, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	105%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, ST4-SP7-FB1	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090250	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-30	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090251	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-40	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090252	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-50	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090253	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-60	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090254	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-70	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090255	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled:	Sep 6, 1996
4636 E. University Drive, Ste. 145		Received:	Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP5-30	Extracted:	Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090256	Analyzed:	Sep 12, 1996
		Reported:	Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP5-40
Lab Number: 6090259

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 6, 1996
Analyzed: Sep 12, 1996
Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Methanol, ST4-SP5-FB1	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090260	Analyzed: Sep 12, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP5-50	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090261	Analyzed: Sep 13, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Water, ST4-SP5-RB1	Extracted: Sep 19, 1996
Attention: Steve Smith	Lab Number: 6090262	Analyzed: Sep 19, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
aaa-Trifluorotoluene	107%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP5-60	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090263	Analyzed: Sep 13, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP5-70	Extracted: Sep 6, 1996
Attention: Steve Smith	Lab Number: 6090264	Analyzed: Sep 13, 1996
		Reported: Sep 30, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP8-55
Lab Number: 6090244

Sampled: Sep 5, 1996
Received: Sep 9, 1996
Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.1
Barium	6010	0.10	26
Cadmium	6010	0.10	0.10
Chromium	6010	0.50	18
Lead	6010	1.0	1.7
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 5, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP8-65	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090245	Analyzed: Sep 10-12, 1996
		Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.4
Barium	6010	0.10	88
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	28
Lead	6010	1.0	2.5
Mercury	7471	0.0020	0.0022
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Sludge, EP-Sudge
Lab Number: 6090246

Sampled: Sep 5, 1996
Received: Sep 9, 1996
Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.0
Barium	6010	0.10	53
Cadmium	6010	0.10	0.17
Chromium	6010	0.50	12
Lead	6010	1.0	4.0
Mercury	7471	0.0020	0.028
Selenium	6010	1.0	1.1
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP8-75
Lab Number: 6090247

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	1.9
Barium	6010	0.10	94
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	9.2
Lead	6010	1.0	2.6
Mercury	7471	0.0020	0.0022
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Water, EP Water
Lab Number: 6090248

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 13-16, 1996
Analyzed: Sep 16-18, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.10*	N.D.
Barium	6010	0.50*	1.7
Cadmium	6010	0.050*	N.D.
Chromium	6010	0.25*	0.30
Lead	6010	0.50*	N.D.
Mercury	7470	0.0020*	0.0032
Selenium	6010	0.20*	0.34
Silver	6010	0.050*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Water, ST4-SP8-RB1
Lab Number: 6090249

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 11-16, 1996
Analyzed: Sep 11-16, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.10*	N.D.
Barium	6010	0.050	N.D.
Cadmium	6010	0.0050	N.D.
Chromium	6010	0.025	N.D.
Lead	6010	0.050	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	0.020	N.D.
Silver	6010	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP7-30
Lab Number: 6090251

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.7
Barium	6010	0.10	39
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	14
Lead	6010	1.0	3.2
Mercury	7471	0.0020	0.0023
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP7-40
Lab Number: 6090252

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.6
Barium	6010	0.10	39
Cadmium	6010	0.10	0.11
Chromium	6010	0.50	16
Lead	6010	1.0	5.3
Mercury	7471	0.0020	0.0051
Selenium	6010	1.0	1.2
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP7-50
Lab Number: 6090253

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 10, 1996
Analyzed: Sep 10-12, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.8
Barium	6010	0.10	74
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	31
Lead	6010	1.0	5.3
Mercury	7471	0.0020	0.0025
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-60	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090254	Analyzed: Sep 10-12, 1996
		Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.7
Barium	6010	0.10	30
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	13
Lead	6010	1.0	2.2
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP7-70	Extracted: Sep 10, 1996
Attention: Steve Smith	Lab Number: 6090255	Analyzed: Sep 10-12, 1996
		Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	16
Barium	6010	0.10	99
Cadmium	6010	0.10	0.24
Chromium	6010	0.50	24
Lead	6010	1.0	3.4
Mercury	7471	0.0020	0.0044
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP5-30
Lab Number: 6090256

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 11-13, 1996
Analyzed: Sep 11-13, 1996
Revised: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.9
Barium	6010	0.10	93
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	19
Lead	6010	1.0	17
Mercury	7471	0.0020	0.018
Selenium	6010	1.0	2.4
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP5-40
Lab Number: 6090259

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 10-13, 1996
Analyzed: Sep 12-13, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.9
Barium	6010	0.10	73
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	8.2
Lead	6010	1.0	3.1
Mercury	7471	0.0020	0.0035
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST4-SP5-50	Extracted: Sep 10-13, 1996
Attention: Steve Smith	Lab Number: 6090261	Analyzed: Sep 12-13, 1996
		Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	30
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	5.9
Lead	6010	1.0	1.6
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Lucas Menendez
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 6, 1996
4636 E. University Drive, Ste. 145		Received: Sep 9, 1996
Phoenix, AZ 85034	Sample Descript: Water, ST4-SP5-RB1	Extracted: Sep 11-16, 1996
Attention: Steve Smith	Lab Number: 6090262	Analyzed: Sep 11-16, 1996
		Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.10*	N.D.
Barium	6010	0.050	N.D.
Cadmium	6010	0.0050	N.D.
Chromium	6010	0.025	N.D.
Lead	6010	0.050	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	0.020	N.D.
Silver	6010	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP5-60
Lab Number: 6090263

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 11-13, 1996
Analyzed: Sep 12-13, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.1
Barium	6010	0.10	74
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	23
Lead	6010	1.0	2.6
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, ST4-SP5-70
Lab Number: 6090264

Sampled: Sep 6, 1996
Received: Sep 9, 1996
Extracted: Sep 11-13, 1996
Analyzed: Sep 12-13, 1996
Reported: Sep 30, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.4
Barium	6010	0.10	100
Cadmium	6010	1.0*	N.D.
Chromium	6010	0.50	26
Lead	6010	1.0	2.2
Mercury	7471	0.0020	0.0031
Selenium	6010	1.0	N.D.
Silver	6010	5.0*	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
*Detection limits for this sample have been raised by a factor of 10.

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Lucas Menendez
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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 12, 1996
Analyzed: Sep 12, 1996
Reported: Sep 30, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	97%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 16, 1996
Analyzed: Sep 16, 1996
Reported: Sep 30, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 18, 1996
Analyzed: Sep 18, 1996
Reported: Sep 30, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	99%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 19, 1996
Analyzed: Sep 19, 1996
Reported: Sep 30, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 10-13, 1996
Analyzed: Sep 10-13, 1996
Reported: Sep 30, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	0.10	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 11-18, 1996
Analyzed: Sep 11-18, 1996
Reported: Sep 30, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	0.010	N.D.
Barium	6010	0.050	N.D.
Cadmium	6010	0.0050	N.D.
Chromium	6010	0.025	N.D.
Lead	6010	0.050	N.D.
Mercury	7470	0.00020	N.D.
Selenium	6010	0.020	N.D.
Silver	6010	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/12/96

Sample #: P6090071

Batch #: FI127B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	49	51	98	103	5.1	100	≤25	70 - 130
Chloroform	0	50	45	53	91	106	16	98	≤25	70 - 130
1,1-Dichloroethane	0	50	47	55	94	111	17	102	≤25	70 - 130
1,2-Dichloroethane	0	50	37	43	74	85	14	80	≤25	70 - 130
1,1-Dichloroethene	0	50	49	55	98	110	12	104	≤25	70 - 130
Tetrachloroethene	0	50	52	57	105	115	9.3	110	≤22	70 - 130
Toluene	9.0	50	53	55	88	93	5.7	90	≤25	70 - 130
Trichloroethene	14	50	54	60	79	92	15	86	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/16/96

Sample #: P6090256

Batch #: FI167B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	48	52	96	104	7.8	100	≤25	70 - 130
Chloroform	0	50	49	51	98	101	3.4	100	≤25	70 - 130
1,1-Dichloroethane	0	50	54	54	107	108	0.75	108	≤25	70 - 130
1,2-Dichloroethane	0	50	44	49	88	97	9.6	93	≤25	70 - 130
1,1-Dichloroethene	0	50	54	57	108	114	6.1	111	≤25	70 - 130
Tetrachloroethene	0	50	49	54	98	108	9.5	103	≤22	70 - 130
Toluene	8.8	50	51	54	85	91	7.2	88	≤25	70 - 130
Trichloroethene	5.2	50	51	54	92	98	6.5	95	≤25	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 9/18/96
Sample #: P6090505
Batch #: FI185A1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	5.0	4.9	100%	98%	1.6	99%	≤ 10	70-130
Chloroform	0.11	5.0	4.5	4.3	87%	85%	3.3	86%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	4.5	4.1	90%	82%	9.2	86%	≤ 10	70-130
1,2-Dichloroethane	0	5.0	5.0	4.5	100%	90%	10	95%	≤ 10	70-130
1,1-Dichloroethene	0	5.0	4.8	4.6	96%	91%	4.8	94%	≤ 10	70-130
Tetrachloroethene	0	5.0	5.2	5.0	104%	101%	3.3	103%	≤ 10	70-130
Toluene	0.050	5.0	5.0	4.9	99%	98%	1.6	99%	≤ 10	70-130
Trichloroethene	0.021	5.0	5.0	4.6	100%	92%	8.7	96%	≤ 10	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 9/19/96
Sample #: P6090573
Batch #: FI195A1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	5.1	4.9	102%	97%	4.6	100%	≤ 10	70-130
Chloroform	0.11	5.0	5.3	4.9	103%	97%	6.5	100%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	5.3	5.0	105%	99%	5.7	102%	≤ 12	70-130
1,2-Dichloroethane	0	5.0	5.1	4.9	102%	98%	3.5	100%	≤ 13	70-130
1,1-Dichloroethene	0	5.0	5.2	5.2	105%	103%	1.3	104%	≤ 16	70-130
Tetrachloroethene	0	5.0	5.2	5.1	104%	102%	2.7	103%	≤ 14	70-130
Toluene	0.13	5.0	5.1	4.9	100%	95%	4.2	97%	≤ 11	70-130
Trichloroethene	0	5.0	5.1	4.8	101%	95%	5.9	98%	≤ 13	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 9/10/96

SAMPLE # P6090081

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	3.2	16.6	20	18	101%	89%	10.5%	95%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 9/13/96

SAMPLE # P6090256

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	18	17.0	34	33	94%	88%	3.0%	91%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/12/96

Sample #: P6090347

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	0	50	50	50	100%	100%	0.0%	100%
Arsenic	6.0	50	49	52	86%	92%	5.9%	89%
Barium	110	50	160	160	100%	100%	0.0%	100%
Beryllium	0.44	50	43	42	85%	83%	2.4%	84%
Cadmium	0.27	50	47	47	93%	93%	0.0%	93%
Chromium	18	50	65	66	94%	96%	1.5%	95%
Copper	24	50	66	64	84%	80%	3.1%	82%
Lead	6.3	50	52	52	91%	91%	0.0%	91%
Nickel	15	50	61	61	92%	92%	0.0%	92%
Selenium	0.97	50	42	42	82%	82%	0.0%	82%
Thallium	1.5	50	45	45	87%	87%	0.0%	87%
Zinc	47	50	94	93	94%	92%	1.1%	93%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

Del Mar Analytical

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/12/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Silver	0.0089	50	42	42	84%	84%	0.0%	84%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/12/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0.055	50	45	46	90%	92%	2.2%	91%
Cadmium	0.024	50	45	45	90%	90%	0.0%	90%
Lead	0.22	50	43	44	86%	88%	2.3%	87%
Selenium	0	50	44	45	88%	90%	2.2%	89%
Silver	0.0089	50	42	42	84%	84%	0.0%	84%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/12/96

Sample #: P6090256

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Barium	34	50	79	79	90%	90%	0.0%	90%
Chromium	23	50	66	66	86%	86%	0.0%	86%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/12/96

Sample #: P6090077

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	4.7	50	54	55	99%	101%	1.8%	100%
Barium	50	50	100	100	100%	100%	0.0%	100%
Cadmium	0.11	50	47	47	94%	94%	0.0%	94%
Chromium	13	50	61	61	96%	96%	0.0%	96%
Lead	2.3	50	47	48	89%	91%	2.1%	90%
Selenium	0.38	50	51	51	101%	101%	0.0%	101%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/12/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Silver	0	50	49	49	98%	98%	0.0%	98%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/26/96

Sample #: P6090256

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Barium	93	50	150	150	114%	114%	0.0%	114%
Chromium	19	50	60	60	82%	82%	0.0%	82%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/26/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	0.12	50	53	52	106%	104%	1.9%	105%
Barium	0.033	50	50	49	100%	98%	2.0%	99%
Cadmium	0.029	50	51	50	102%	100%	2.0%	101%
Chromium	0	50	51	50	102%	100%	2.0%	101%
Lead	0.080	50	50	49	100%	98%	2.0%	99%
Selenium	0.043	50	52	52	104%	104%	0.0%	104%
Silver	0.041	2.5	2.5	2.4	98%	94%	4.1%	96%

R1 . . . . . Result of Sample Analysis
Sp . . . . . Spike Concentration Added to Sample
MS . . . . . Matrix Spike Result
MSD . . . . . Matrix Spike Duplicate Result
PR1 . . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2 . . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD . . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7470
Matrix: Water

DATE: 9/16/96

SAMPLE # P6090055

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.047	5.0	5.6	5.5	111%	109%	1.8%	110%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 7470
Matrix: Water

DATE: 9/16/96

SAMPLE # P6090115

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.080	5.0	5.8	5.8	114%	114%	0.0%	114%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 9/18/96

Sample #: P6090491

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0	1.0	0.83	0.83	83%	83%	0.0%	83%
Barium	0.38	1.0	1.4	1.4	96%	96%	0.0%	96%
Cadmium	0.025	1.0	0.89	0.89	99%	100%	0.0%	99%
Chromium	0.073	1.0	0.97	0.96	98%	98%	1.0%	98%
Lead	0	1.0	0.90	0.90	90%	90%	0.0%	90%
Selenium	0.22	1.0	1.2	1.2	98%	99%	0.0%	99%
Silver	0.042	0.050	0.083	0.083	87%	87%	0.0%	87%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 9/11/96

Sample #: P6090234

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	0	1.0	1.1	1.1	110%	110%	0.0%	110%
Barium	0.11	1.0	1.1	1.1	99%	99%	0.0%	99%
Cadmium	0	1.0	0.98	0.99	99%	100%	1.0%	99%
Chromium	0.012	1.0	1.0	1.0	99%	99%	0.0%	99%
Cobalt	0.00094	1.0	0.99	1.0	99%	100%	1.0%	99%
Iron	0.016	1.0	1.1	1.1	108%	108%	0.0%	108%
Lead	0.000	1.0	0.98	0.99	98%	99%	1.0%	99%
Magnesium	0.18	10	10	10	98%	98%	0.0%	98%
Manganese	0.0022	1.0	0.99	1.0	99%	100%	1.0%	99%
Molybdenum	0.097	1.0	1.1	1.1	100%	100%	0.0%	100%
Nickel	0	1.0	0.97	0.98	97%	98%	1.0%	98%
Selenium	0.0026	1.0	1.0	1.0	100%	100%	0.0%	100%
Silver	0.0026	0.050	0.048	0.047	91%	89%	2.1%	90%
Zinc	0.0046	1.0	1.1	1.1	110%	110%	0.0%	110%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; (MS-R1) / SP x 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

Brought in brass sleeves & 5.00 ml poly for metals at 1352.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc. 4636 E. University Ste 145 Phoenix, AZ 850[illegible]34

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith 602-894-2800

Sampler: Aaron D. LaRogue

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required: 8010/8020	Analysis Required: 8 RCRA Metals								Special Instructions
ST4-SP8-55	Soil	Brass Voa	ADL #2	9/5/96 0951	4°C	X	X							X	Use Brass Sleeve
ST4-SP8-65	Soil	Brass Voa	ADL #2	9/5/96 1142	4°C	X	X								for ST4-SP5-30
EP-Sludge	Sludge	Glass Jar Voa	1/1	9/5/96 1220	4°C	X	X								for site specific ms/msd. for 8010/8020 & Metals
ST4-SP8-75	Soil	Brass Voa	ADL #2	9/6/96 0810	4°C	X	X								
EP-Water	H_2O	Voa ~~500 ml~~	2/1	9/6/96 0820	4°C	X	X								
ST4-SP8-RB1	~~[illegible]~~	Glass Jar Voa	1/2	9/6/96 0837	4°C	X	X								
ST4-SP7-FB1	Methanol	Voa	1	9/6/96 1014	4°C	X	~~X~~ Antell								
ST4-SP7-30	Soil	Brass Voa	ADL #2	9/6/96 1014	4°C	X	X								
ST4-SP7-40	Soil	Brass Voa	ADL #2	9/6/96 1040	4°C	X	X								
ST4-SP7-50	Soil	Brass Voa	ADL #2	9/6/96 1103	4°C	X	X								
ST4-SP7-60	Soil	Brass 4oz Voa	ADL #2	9/6/96 1134	4°C	X	X								
ST4-SP7-70	Soil	Brass Voa	ADL #2	9/6/96 1320	4°C	X	X								
ST4-SP5-30	Soil	Brass Voa	ADL #2	9/6/96 1415	4°C	X	X								
ST4-SP5-30MS	Soil	Voa	1	9/6/96 1415	4°C	~~X~~	~~X~~		X						

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
A.D. LaRogue	9/9/96 1049			same day ___	72 hours ___
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ___	5 days ___
[illegible]	9/9/96 1352			48 hours ___	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[illegible]	9/9/96 1019	intact X	on ice X

Del Mar Analytical

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Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 23, 1996
4636 E. University Drive, Ste. 145		Received: Sep 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, DECON-1	Extracted: Sep 25, 1996
Attention: Steve Smith	Lab Number: 6091076	Analyzed: Sep 25, 1996
		Reported: Oct 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	93%
aaa-Trifluorotoluene	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 23, 1996
4636 E. University Drive, Ste. 145		Received: Sep 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, HA-1-.65'	Extracted: Sep 23, 1996
Attention: Steve Smith	Lab Number: 6091077	Analyzed: Sep 26, 1996
		Reported: Oct 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	97%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, HA-1-4.35'
Lab Number: 6091078

Sampled: Sep 23, 1996
Received: Sep 24, 1996
Extracted: Sep 23, 1996
Analyzed: Sep 26, 1996
Reported: Oct 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	95%
aaa-Trifluorotoluene	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/105	Sampled: Sep 23, 1996
4636 E. University Drive, Ste. 145		Received: Sep 24, 1996
Phoenix, AZ 85034	Sample Descript: Soil, HA-2-.65'	Extracted: Sep 23, 1996
Attention: Steve Smith	Lab Number: 6091079	Analyzed: Sep 26, 1996
		Reported: Oct 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, HA-2-4.6'
Lab Number: 6091080

Sampled: Sep 23, 1996
Received: Sep 24, 1996
Extracted: Sep 23, 1996
Analyzed: Sep 26, 1996
Reported: Oct 8, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	96%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, DECON-1
Lab Number: 6091076

Sampled: Sep 23, 1996
Received: Sep 24, 1996
Extracted: Sep 25, 1996
Analyzed: Sep 25-26, 1996
Reported: Oct 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	2.5
Barium	6010	1.0*	160
Cadmium	6010	1.0*	N.D.
Chromium	6010	5.0*	50
Lead	6010	10*	N.D.
Mercury	7471	0.020*	0.082
Selenium	6010	10*	N.D.
Silver	6010	5.0*	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 10.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, HA-1-.65'
Lab Number: 6091077

Sampled: Sep 23, 1996
Received: Sep 24, 1996
Extracted: Sep 25, 1996
Analyzed: Sep 25-26, 1996
Reported: Oct 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	6.8
Barium	6010	0.10	87
Cadmium	6010	0.10	0.29
Chromium	6010	0.50	24
Lead	6010	1.0	5.3
Mercury	7471	0.0020	0.033
Selenium	6010	1.0	3.3
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, HA-1-4.35'
Lab Number: 6091078

Sampled: Sep 23, 1996
Received: Sep 24, 1996
Extracted: Sep 25, 1996
Analyzed: Sep 25-26, 1996
Reported: Oct 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.8
Barium	6010	0.10	130
Cadmium	6010	0.10	0.27
Chromium	6010	0.50	29
Lead	6010	1.0	4.8
Mercury	7471	0.010*	0.042
Selenium	6010	1.0	3.9
Silver	6010	0.50	7.8

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, HA-2-.65'
Lab Number: 6091079

Sampled: Sep 23, 1996
Received: Sep 24, 1996
Extracted: Sep 25, 1996
Analyzed: Sep 25-26, 1996
Reported: Oct 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.2
Barium	6010	0.10	61
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	14
Lead	6010	1.0	2.8
Mercury	7471	0.20*	0.36
Selenium	6010	1.0	2.8
Silver	6010	0.50	N.D.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 100.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/105
Sample Descript: Soil, HA-2-4.6'
Lab Number: 6091080

Sampled: Sep 23, 1996
Received: Sep 24, 1996
Extracted: Sep 25, 1996
Analyzed: Sep 25-26, 1996
Reported: Oct 8, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	5.4
Barium	6010	0.10	140
Cadmium	6010	0.10	0.24
Chromium	6010	0.50	27
Lead	6010	1.0	3.1
Mercury	7471	0.0020	0.0058
Selenium	6010	1.0	4.0
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 25, 1996
Analyzed: Sep 25, 1996
Reported: Oct 8, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	93%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 26, 1996
Analyzed: Sep 26, 1996
Reported: Oct 8, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	98%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Sep 25, 1996
Analyzed: Sep 25-26, 1996
Reported: Oct 8, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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CORRECTIVE ACTION REPORT

Department:	GC	Method:	8010/8020
Date:	9/25/96	Matrix:	Soil

Identification and Definition of Problem:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) percent recoveries for Benzene and Toluene were slightly low and outside of in-house acceptance limits. All other compounds were within acceptance limits.

Determination of the Cause of the Problem:

The sample used for MS/MSD caused matrix interference.

Corrective Action:

Percent recoveries for MS/MSD are within EPA acceptance limits. All other QC was within acceptance limits thus validating the analytical batch. No corrective action was taken.

Jennifer A. Vilaboy: J A Vilaboy Date: 9/30/96
Laboratory Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 9/25/96
Sample #: P6091011
Batch #: FI257B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	50	38	37	75%	75%	0.15	75%*	≤ 14	77-127
Chloroform	0	50	55	51	110%	101%	8.1	106%	≤ 19	70-130
1,1-Dichloroethane	0	50	48	53	95%	106%	11	101%	≤ 18	70-130
1,2-Dichloroethane	0	50	43	42	85%	84%	1.5	85%	≤ 16	76-128
1,1-Dichloroethene	0	50	49	49	99%	98%	1.2	98%	≤ 22	70-130
Tetrachloroethene	0	50	53	54	106%	108%	1.6	107%	≤ 20	70-130
Toluene	7.7	50	43	43	71%	70%	1.4	71%*	≤ 12	74-130
Trichloroethene	0	50	55	59	110%	117%	6.1	114%	≤ 17	70-130

*QC results are not within acceptance limits
When applicable, see corrective action report

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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CORRECTIVE ACTION REPORT

Department:	GC	Method:	8010/8020
Date:	9/26/96	Matrix:	Soil

Identification and Definition of Problem:

Matrix Spike Duplicate (MSD) percent recoveriy for 1,2-Dichloroethane was slightly low and caused mean percent recoveries to be outside of in-house acceptance limits. All other compounds were within acceptance limits.

Determination of the Cause of the Problem:

The sample used for MS/MSD caused matrix interference.

Corrective Action:

Percent recoveries for MSD of 1,2-Dichloroethane are within EPA acceptance limits. LCS and Midpoint were within acceptance limits thus validating the analytical batch. No corrective action was taken.

Jennifer A. Vilaboy: JA Vilaboy Date: 9/27/96
Laboratory Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 09/26/96

Sample #: P6091082

Batch #: FI267B2S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	45	43	89	87	2.5	88	≤14	77 - 127
Chloroform	0	50	47	45	94	89	5.3	92	≤19	70 - 130
1,1-Dichloroethane	0	50	47	45	93	90	3.1	92	≤18	70 - 130
1,2-Dichloroethane	0	50	36	34	72	68	4.8	70 *	≤16	76 - 128
1,1-Dichloroethene	0	50	42	43	83	85	2.1	84	≤22	70 - 130
Tetrachloroethene	0	50	43	42	86	85	2.0	85	≤20	70 - 130
Toluene	14	50	57	57	85	85	0.44	85	≤12	74 - 130
Trichloroethene	0	50	44	42	87	84	3.6	86	≤17	70 - 130

* QC results are not within acceptance limits
When applicable, see corrective action report

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 9/25/96

SAMPLE # P60901080

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	5.8	33.3	40	39	103%	100%	2.5%	101%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 9/26/96

Sample #: P6090071

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	4.9	50	51	51	92%	92%	0.0%	92%
Barium	100	50	160	160	120%	120%	0.0%	120%
Cadmium	0.28	50	44	44	87%	87%	0.0%	87%
Chromium	25	50	73	73	96%	96%	0.0%	96%
Lead	3.9	50	49	49	90%	90%	0.0%	90%
Selenium	4.3	50	50	50	91%	91%	0.0%	91%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100.

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith / 8942800

Sampler: MATTHEW CONWAY

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
DECON-1	S	Sleeve	2	9.23.96 0800	4°C	X	X								
HA-1-.65'	S	VOA Sleeve	2	9.23.96 1040	Methanol 4°C	X	X								
HA-1-4.35'	S	VOA Sleeve	2	9.23.96 1058	Methanol 4°C	X	X								
HA-2-.65'	S	VOA Sleeve	2	9.23.96 1116	Methanol 4°C	X	X								
HA-2-4.6'	S	VOA Sleeve	2	9.23.96 1138	Methanol 4°C	X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	9.24.96 / 1545			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		Robin R.	9-24-96 1545	intact X	on ice X

Note: Sample(s) will be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-Base	Extracted: Nov 1, 1996
Attention: Steve Smith	Lab Number: 6110105	Analyzed: Nov 14, 1996
		Reported: Nov 18, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	101%
aaa-Trifluorotoluene	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST1-Base	Extracted: Nov 1, 1996
Attention: Steve Smith	Lab Number: 6110106	Analyzed: Nov 14, 1996
		Reported: Nov 18, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	108%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST2-Base	Extracted: Nov 1, 1996
Attention: Steve Smith	Lab Number: 6110107	Analyzed: Nov 14, 1996
		Reported: Nov 18, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST5-Base	Extracted: Nov 1, 1996
Attention: Steve Smith	Lab Number: 6110108	Analyzed: Nov 14, 1996
		Reported: Nov 18, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	107%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105
Sample Descript: MEOH, ST5-Base-FB
Lab Number: 6110109

Sampled: Nov 1, 1996
Received: Nov 4, 1996
Extracted: Nov 1, 1996
Analyzed: Nov 14, 1996
Reported: Nov 18, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	106%
aaa-Trifluorotoluene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Water, ST5-Base-RB	Extracted: Nov 15, 1996
Attention: Steve Smith	Lab Number: 6110110	Analyzed: Nov 15, 1996
		Reported: Nov 18, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	102%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105
Sample Descript: MEOH, Trip Blank
Lab Number: 6110111

Received: Nov 4, 1996
Extracted: Nov 14, 1996
Analyzed: Nov 14, 1996
Reported: Nov 18, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	105%

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST3-Base	Extracted: Nov 5-6, 1996
Attention: Steve Smith	Lab Number: 6110105	Analyzed: Nov 5-14, 1996
		Reported: Nov 18, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	3.6
Barium	6010	0.50*	110
Cadmium	6010	0.10	0.23
Chromium	6010	0.50	20
Lead	6010	1.0	3.9
Mercury	7471	0.0020	0.0058
Selenium	6010	1.0	2.8
Silver	6010	0.50	N.D.

*Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST1-Base	Extracted: Nov 5-6, 1996
Attention: Steve Smith	Lab Number: 6110106	Analyzed: Nov 5-14, 1996
		Reported: Nov 18, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	8.4
Barium	6010	0.50*	72
Cadmium	6010	0.10	0.39
Chromium	6010	2.5*	200
Lead	6010	5.0*	11
Mercury	7471	0.20*	2.2
Selenium	6010	5.0*	5.4
Silver	6010	2.5*	4.5

*Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST2-Base	Extracted: Nov 5-6, 1996
Attention: Steve Smith	Lab Number: 6110107	Analyzed: Nov 5-14, 1996
		Reported: Nov 18, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	7.8
Barium	6010	0.50*	81
Cadmium	6010	0.10	0.31
Chromium	6010	0.50	19
Lead	6010	1.0	4.7
Mercury	7471	0.0080*	0.058
Selenium	6010	1.0	3.7
Silver	6010	0.50	N.D.

*Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313-105	Sampled: Nov 1, 1996
4636 E. University Drive, Ste. 145		Received: Nov 4, 1996
Phoenix, AZ 85034	Sample Descript: Soil, ST5-Base	Extracted: Nov 5-6, 1996
Attention: Steve Smith	Lab Number: 6110108	Analyzed: Nov 5-12, 1996
		Reported: Nov 18, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	4.4
Barium	6010	0.50*	98
Cadmium	6010	0.10	0.17
Chromium	6010	0.50	20
Lead	6010	1.0	3.1
Mercury	7471	0.10*	0.71
Selenium	6010	1.0	3.6
Silver	6010	0.50	N.D.

*Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised.

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Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313-105
Sample Descript: Water, ST5-Base-RB
Lab Number: 6110110

Sampled: Nov 1, 1996
Received: Nov 4, 1996
Extracted: Nov 7-8, 1996
Analyzed: Nov 7-8, 1996
Reported: Nov 18, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	200.7	0.50	N.D.
Barium	200.7	0.10	N.D.
Cadmium	200.7	0.10	N.D.
Chromium	200.7	0.50	N.D.
Lead	200.7	1.0	N.D.
Mercury	245.1	0.0020	N.D.
Selenium	200.7	1.0	N.D.
Silver	200.7	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Nov 14, 1996
Analyzed: Nov 14, 1996
Reported: Nov 18, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Nov 15, 1996
Analyzed: Nov 15, 1996
Reported: Nov 18, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Nov 5-6, 1996
Analyzed: Nov 5-14, 1996
Reported: Nov 18, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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Hydro-Search, Inc.

Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Nov 7-8, 1996
Analyzed: Nov 7-8, 1996
Reported: Nov 18, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	200.7	0.50	N.D.
Barium	200.7	0.10	N.D.
Cadmium	200.7	0.10	N.D.
Chromium	200.7	0.50	N.D.
Lead	200.7	1.0	N.D.
Mercury	245.1	0.0020	N.D.
Selenium	200.7	1.0	N.D.
Silver	200.7	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Lucas Menendez
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 11/14/96

Sample #: P6110108

Batch #: FK147B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	51	55	103	110	6.6	106	≤14	77 - 127
Chloroform	0	50	60	66	120	133	9.9	126	≤19	70 - 130
1,1-Dichloroethane	0	50	39	43	77	86	10	82	≤18	70 - 130
,2-Dichloroethane	0	50	48	53	96	106	9.5	101	≤16	76 - 128
1,1-Dichloroethene	0	50	37	41	74	82	9.4	78	≤22	70 - 130
Tetrachloroethene	0	50	51	56	103	112	8.8	107	≤20	70 - 130
Toluene	0	50	54	58	108	115	6.6	112	≤12	74 - 130
Trichloroethene	0	50	51	54	101	108	6.8	105	≤17	70 - 130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 11/12/96

Sample #: P6110108

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	4.4	50	47	46	85%	83%	2.2%	84%
Barium	76	50	130	130	108%	108%	0.0%	108%
Cadmium	0.17	50	41	41	82%	82%	0.0%	82%
Chromium	20	50	65	64	90%	88%	1.6%	89%
Lead	3.1	50	44	43	82%	80%	2.3%	81%
Selenium	3.6	50	47	46	87%	85%	2.2%	86%
Silver	0.23	50	42	42	84%	84%	0.0%	84%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 11/14/96

Sample #: P6110105

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	3.4	250	260	260	103%	103%	0.0%	103%
Barium	110	250	350	350	96%	96%	0.0%	96%
Cadmium	0.070	250	240	240	96%	96%	0.0%	96%
Chromium	24	250	270	270	98%	98%	0.0%	98%
Lead	5.9	250	250	250	98%	98%	0.0%	98%
Selenium	3.0	500	510	510	101%	101%	0.0%	101%
Silver	0	2.5	2.4	2.3	96%	92%	4.3%	94%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 11/5/96

SAMPLE # P6110105

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	5.8	16.65	22	22	97%	97%	0.0%	97%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 11/7/96

Sample #: P6101669

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Aluminum	2.1	1.0	3.2	3.3	110%	120%	3.1%	115%
Antimony	0.0061	1.0	1.0	1.1	99%	109%	9.5%	104%
Arsenic	0.0085	1.0	1.0	1.0	99%	99%	0.0%	99%
Barium	0.00007	1.0	0.99	1.0	99%	100%	1.0%	100%
Beryllium	0.00017	1.0	1.0	1.0	100%	100%	0.0%	100%
Boron	0.018	1.0	1.1	1.1	108%	108%	0.0%	108%
Cadmium	0	1.0	1.0	1.0	100%	100%	0.0%	100%
Calcium	0.032	10	11	10	110%	100%	9.5%	105%
Chromium	0.48	1.0	1.5	1.5	102%	102%	0.0%	102%
Cobalt	0.00029	1.0	0.98	1.0	98%	100%	2.0%	99%
Copper	0.013	1.0	1.0	1.0	99%	99%	0.0%	99%
Iron	0.0037	1.0	1.0	1.0	100%	100%	0.0%	100%
Lead	0.00011	1.0	0.97	0.99	97%	99%	2.0%	98%
Magnesium	0.12	10	10	10	99%	99%	0.0%	99%
Manganese	0.057	1.0	1.1	1.1	104%	104%	0.0%	104%
Molybdenum	0.00013	1.0	0.99	1.0	99%	100%	1.0%	100%
Nickel	0.00046	1.0	0.99	1.0	99%	100%	1.0%	100%
Silica	0.045	21.39	21	22	98%	103%	4.7%	100%
Selenium	0.025	1.0	1.0	1.1	98%	108%	9.5%	103%
Silver	0.0017	0.050	0.048	0.047	93%	91%	2.1%	92%
Sodium	1.0	50	47	48	92%	94%	2.1%	93%
Thallium	0	1.0	0.97	0.98	97%	98%	1.0%	98%
Vanadium	0.00027	1.0	1.0	1.0	100%	100%	0.0%	100%
Zinc	0.0030	1.0	1.1	1.1	110%	110%	0.0%	110%

R1. . . . . .
Sp. . . . . Result of Sample Analysis
MS. . . . . Spike Concentration Added to Sample
MSD. . . . . Matrix Spike Result
PR1. . . . . Matrix Spike Duplicate Result
PR2. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
RPD. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
Del Mar Analytical QA/Q Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QC DATA REPORT

EPA METHOD: 245.1
Matrix: Water

DATE: 11/8/96

SAMPLE # P6110270

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.090	5.0	6.1	6.2	120%	122%	1.6%	121%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc

Project/PO Number: 808708313/105

Project Manager/Phone Number: Steve Smith / 8942800

Sampler: MATTHEW CONWAY

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	8 RCRA Metals								Special Instructions
DECON-1	S	Sleeve	2	9.23.96 0800	4oC	X	X								
HA-1-.65'	S	VOA Sleeve	2	9.23.96 1040	Methanol 4oC	X	X								
HA-1-4.35'	S	VOA Sleeve	2	9.23.96 1058	Methanol 4oC	X	X								
HA-2-.65'	S	VOA Sleeve	2	9.23.96 1116	Methanol 4oC	X	X								
HA-2-4.6'	S	VOA Sleeve	2	9.23.96 1138	Methanol 4oC	X	X								

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	9.24.96 / 1545			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		Robin R.	9-24-96 1545	intact X	on ice X

Note: Sample[illegible]ll be disposed of after 30 days.

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: Solid, ST3-East-CR	Extracted: Nov 5, 1996
Attention: Steve Smith	Lab Number: 6110199	Analyzed: Nov 14, 1996
		Reported: Nov 20, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: Solid, ST3-West-CR	Extracted: Nov 5, 1996
Attention: Steve Smith	Lab Number: 6110200	Analyzed: Nov 14, 1996
		Reported: Nov 20, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	96%

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: MEOH, DBOX-CR-FB1	Extracted: Nov 5, 1996
Attention: Steve Smith	Lab Number: 6110202	Analyzed: Nov 14, 1996
		Reported: Nov 20, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	102%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: Water, DBOX-CR-RB1	Extracted: Nov 15, 1996
Attention: Steve Smith	Lab Number: 6110203	Analyzed: Nov 15, 1996
		Reported: Nov 20, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	95%
aaa-Trifluorotoluene	104%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/125
Sample Descript: Water, Trip Blank
Lab Number: 6110204

Received: Nov 6, 1996
Extracted: Nov 22, 1996
Analyzed: Nov 22, 1996
Reported: Nov 26, 1996

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	100%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/125

Sample Descript: Solid. ST3-East-CR
Lab Number: 6110199

Sampled: Nov 5, 1996
Received: Nov 6, 1996
Extracted: Nov 7-11, 1996
Analyzed: Nov 11-12, 1996
Reported: Nov 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	0.73
Barium	6010	0.10	78
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	7.7
Lead	6010	1.0	4.1
Mercury	7471	0.0020	0.0046
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/125
Sample Descript: Solid, ST3-West-CR
Lab Number: 6110200

Sampled: Nov 5, 1996
Received: Nov 6, 1996
Extracted: Nov 7-11, 1996
Analyzed: Nov 11-12, 1996
Reported: Nov 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	1.1
Barium	6010	0.10	74
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	8.7
Lead	6010	1.0	3.0
Mercury	7471	0.0020	0.0032
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: Solid, DBOX-CR	Extracted: Nov 7-11, 1996
Attention: Steve Smith	Lab Number: 6110201	Analyzed: Nov 11-12, 1996
		Reported: Nov 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	1.5
Barium	6010	0.10	72
Cadmium	6010	0.10	0.37
Chromium	6010	0.50	6.9
Lead	6010	1.0	3.1
Mercury	7471	0.0020	0.011
Selenium	6010	1.0	1.2
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/125
Sample Descript: Water, DBOX-CR-RB1
Lab Number: 6110203

Sampled: Nov 5, 1996
Received: Nov 6, 1996
Extracted: Nov 8-13, 1996
Analyzed: Nov 8-13, 1996
Reported: Nov 20, 1996

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	200.7	0.010	N.D.
Barium	200.7	0.050	N.D.
Cadmium	200.7	0.0050	N.D.
Chromium (total)	200.7	0.0050	N.D.
Lead	200.7	0.050	N.D.
Mercury	245.1	0.00020	N.D.
Selenium	200.7	0.020	N.D.
Silver	200.7	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Solid, ST3-East-CR	Extracted: Nov 12, 1996
Attention: Steve Smith	Lab Number: 6110199	Analyzed: Nov 13, 1996
		Reported: Nov 20, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-Irvine (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	105%

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Solid, ST3-West-CR	Extracted: Nov 12, 1996
Attention: Steve Smith	Lab Number: 6110200	Analyzed: Nov 13, 1996
		Reported: Nov 20, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-Irvine (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	102%

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Solid, DBOX-CR	Extracted: Nov 12, 1996
Attention: Steve Smith	Lab Number: 6110201	Analyzed: Nov 13, 1996
		Reported: Nov 20, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-Irvine (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	98%

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Water, DBOX-CR-RB1	Extracted: Nov 12, 1996
Attention: Steve Smith	Lab Number: 6110203	Analyzed: Nov 12, 1996
		Reported: Nov 20, 1996

TCLP HALOGENATED VOLATILE ORGANICS by GC (EPA 1311/5030/8010/8020)

Analyte	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Benzene	0.050	N.D.
Carbon tetrachloride	0.050	N.D.
Chlorobenzene	10	N.D.
Chloroform	0.60	N.D.
1,4-Dichlorobenzene	0.75	N.D.
1,2-Dichloroethane	0.050	N.D.
1,1-Dichloroethene	0.070	N.D.
Tetrachloroethene	0.070	N.D.
Trichloroethene	0.050	N.D.
Vinyl chloride	0.020	N.D.

Analysis completed at Del Mar Analytical-Irvine (AZ0428).

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recovery:	
1-Chloro-3-fluorobenzene	109%

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Solid, ST3-East-CR	Extracted: Nov 8, 1996
Attention: Steve Smith	Lab Number: 6110199	Analyzed: Nov 8-11, 1996
		Reported: Nov 20, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	2.5*	N.D.
Barium	6010	100	50*	N.D.
Cadmium	6010	1.0	0.50*	N.D.
Chromium	6010	5.0	2.5*	N.D.
Lead	6010	5.0	2.5*	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.50*	N.D.
Silver	6010	5.0	2.5*	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

*Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/125

Sample Descript: TCLP Extract of a Solid, ST3-West-CR
Lab Number: 6110200

Sampled: Nov 5, 1996
Received: Nov 6, 1996
Extracted: Nov 8, 1996
Analyzed: Nov 8-11, 1996
Reported: Nov 20, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	N.D.
Cadmium	6010	1.0	0.10	N.D.
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.10	N.D.
Silver	6010	5.0	0.50	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Client Project ID: 808708313/125
Sample Descript: TCLP Extract of a Solid, DBOX-CR
Lab Number: 6110201

Sampled: Nov 5, 1996
Received: Nov 6, 1996
Extracted: Nov 8, 1996
Analyzed: Nov 8-11, 1996
Reported: Nov 20, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	0.50	N.D.
Barium	6010	100	10	N.D.
Cadmium	6010	1.0	0.10	N.D.
Chromium	6010	5.0	0.50	N.D.
Lead	6010	5.0	0.50	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.10	N.D.
Silver	6010	5.0	0.50	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.	Client Project ID: 808708313/125	Sampled: Nov 5, 1996
4636 E. University Drive, Ste. 145		Received: Nov 6, 1996
Phoenix, AZ 85034	Sample Descript: TCLP Extract of a Water, DBOX-CR-RB1	Extracted: Nov 8, 1996
Attention: Steve Smith	Lab Number: 6110203	Analyzed: Nov 8-11, 1996
		Reported: Nov 20, 1996

TCLP METALS

Analyte	EPA Method	TCLP Max. Limit mg/L (ppm)	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	6010	5.0	1.0*	N.D.
Barium	6010	100	20*	N.D.
Cadmium	6010	1.0	0.20*	N.D.
Chromium	6010	5.0	1.0*	N.D.
Lead	6010	5.0	1.0*	N.D.
Mercury	7470	0.20	0.020	N.D.
Selenium	6010	1.0	0.20*	N.D.
Silver	6010	5.0	1.0*	N.D.

Prior to analysis the sample was extracted using EPA method 1311.

***Analytes reported as N.D. were not present above the stated limit of detection. Due to matirx effects and / or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 2.**

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Nov 14, 1996
Analyzed: Nov 14, 1996
Reported: Nov 20, 1996
Matrix: Soil

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl Chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	50	N.D.
Toluene	50	N.D.
Total Xylenes	100	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	103%
aaa-Trifluorotoluene	100%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Nov 15, 1996
Analyzed: Nov 15, 1996
Reported: Nov 20, 1996
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethylvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl Chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries:	
1-Chloro-3-fluorobenzene	104%
aaa-Trifluorotoluene	99%

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Nov 7-11, 1996
Analyzed: Nov 11-12, 1996
Reported: Nov 20, 1996
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010	0.50	N.D.
Barium	6010	0.10	N.D.
Cadmium	6010	0.10	N.D.
Chromium	6010	0.50	N.D.
Lead	6010	1.0	N.D.
Mercury	7471	0.0020	N.D.
Selenium	6010	1.0	N.D.
Silver	6010	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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Hydro-Search, Inc.
4636 E. University Drive, Ste. 145
Phoenix, AZ 85034
Attention: Steve Smith

Method Blank

Extracted: Nov 8-13, 1996
Analyzed: Nov 8-13, 1996
Reported: Nov 20, 1996
Matrix: Water

RCRA METALS

Analyte	EPA Method	Detection Limit mg/L (ppm)	Sample Result mg/L (ppm)
Arsenic	200.7	0.010	N.D.
Barium	200.7	0.050	N.D.
Cadmium	200.7	0.0050	N.D.
Chromium (total)	200.7	0.0050	N.D.
Lead	200.7	0.050	N.D.
Mercury	245.1	0.00020	N.D.
Selenium	200.7	0.020	N.D.
Silver	200.7	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Soil

Date: 11/14/96

Sample #: P6110199

Batch #: FK147B2S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	55	54	110	108	2.0	109	<14	77 - 127
Chloroform	0	50	65	62	130	124	4.3	127	<19	70 - 130
1,1-Dichloroethane	0	50	44	42	87	84	3.3	86	<18	70 - 130
,2-Dichloroethane	0	50	52	50	103	101	2.5	102	<16	76 - 128
1,1-Dichloroethene	0	50	44	41	87	82	6.6	85	<22	70 - 130
Tetrachloroethene	0	50	56	56	113	111	1.2	112	<20	70 - 130
Toluene	0	50	61	60	121	119	1.5	120	<12	74 - 130
Trichloroethene	0	50	72	71	144	141	1.9	142 *	<17	70 - 130

* QC results are not within acceptance limits
When applicable, see corrective action report

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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CORRECTIVE ACTION REPORT

Department:	GC	Method:	8010/8020
Date:	11/15/96	Matrix:	Water

Identification and Definition of Problem:

The Matrix Spike Duplicate (MSD) percent recovery for 1,2-Dichloroethane was low and caused the RPD to be outside of acceptance limits. All other compounds were within acceptance limits.

Determination of the Cause of the Problem:

Possible active site on transfer lines causing low recoveries of 1,2-Dichloroethane.

Corrective Action:

The transfer line was replaced and the instrument was re-calibrated. The Midpoint is within acceptance limits thus validating the analytical batch.

Jennifer A. Vilaboy: JJ A Vilaboy Date: 11/15 /96
Laboratory Manager

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 11/15/96
Sample #: P6110110
Batch #: FK155A1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	4.8	4.7	96%	94%	2.0	95%	≤ 10	70-130
Chloroform	0	5.0	4.6	4.9	93%	97%	4.7	95%	≤ 10	70-130
1,1-Dichloroethane	0	5.0	4.8	4.9	96%	98%	2.2	97%	≤ 12	70-130
1,2-Dichloroethane	0	5.0	4.3	3.2	86%	64%	29*	75%	≤ 16	70-130
1,1-Dichloroethene	0	5.0	4.6	5.4	92%	107%	16.0	99%	≤ 14	70-130
Tetrachloroethene	0	5.0	4.9	5.0	97%	100%	2.4	98%	≤ 14	70-130
Toluene	0	5.0	5.5	5.7	111%	115%	3.5	113%	≤ 11	70-130
Trichloroethene	0	5.0	6.1	5.4	121%	108%	12	115%	≤ 13	70-130

*QC results are not within acceptance limits.
When applicable, see corrective action report.

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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MS/MSD DATA REPORT

EPA Method 8010/8020

Matrix: Water

Date: 11/21/96
Sample #: P6110204
Batch #:

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	5.0	4.5	4.4	90	98	2.2	89	≤ 20	70-130
Chloroform	0	5.0	4.9	4.7	98	94	4.2	96	≤ 20	70-130
1,1-Dichloroethane	0	5.0	5.1	4.9	102	98	2.0	100	≤ 20	70-130
1,2-Dichloroethane	0	5.0	5.1	5.0	102	100	2.0	101	≤ 20	70-130
1,1-Dichloroethene	0	5.0	5.1	4.8	102	96	6.1	99	≤ 20	70-130
Tetrachloroethene	0	5.0	4.8	4.7	96	94	2.1	95	≤ 20	70-130
Toluene	0	5.0	4.6	4.6	96	94	0	95	≤ 20	70-130
Trichloroethene	0	5.0	4.8	4.7	92	92	2.1	92	≤ 20	70-130

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by In-House Control Charts

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 11/12/96

Sample #: P6110199

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	0.73	50	48	48	95%	95%	0.0%	95%
Barium	78	50	130	130	104%	104%	0.0%	104%
Cadmium	0	50	43	43	86%	86%	0.0%	86%
Chromium	7.7	50	53	53	91%	91%	0.0%	91%
Lead	4.1	50	46	46	84%	84%	0.0%	84%
Selenium	0.96	50	50	50	98%	98%	0.0%	98%
Silver	0	50	45	45	90%	90%	0.0%	90%

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

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QC DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 11/11/96

SAMPLE # P6110199

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	4.6	16.65	22	23	105%	111%	4.4%	108%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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QC DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Water

Date: 11/13/96

Sample #: P6110219

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Arsenic	0	1.0	1.0	1.0	100%	100%	0.0%	100%
Barium	0.038	1.0	1.0	1.0	96%	96%	0.0%	96%
Cadmium	0.00016	1.0	1.0	1.0	100%	100%	0.0%	100%
Chromium	0.0030	1.0	1.0	1.0	100%	100%	0.0%	100%
Copper	0.025	1.0	1.1	1.0	108%	98%	9.5%	103%
Lead	0	1.0	0.98	0.99	98%	99%	1.0%	99%
Selenium	0	2.0	2.0	2.0	100%	100%	0.0%	100%
Silver	0.0036	0.050	0.050	0.050	93%	93%	0.0%	93%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **QA/QC CRITERIA: All QA/QC was within acceptance limits**

Del Mar Analytical

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QC DATA REPORT

EPA METHOD: 245.1
Matrix: Water

DATE: 11/8/96

SAMPLE # P6110265

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0.11	5.0	5.8	5.8	114%	114%	0.0%	114%

Definition of Terms:

R1. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; (MS-R1) / SP X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: Hydro-Search, Inc.

Project/PO Number: SUS 7083173/1025

Project Manager/Phone Number: Steve Smith / 594-2500

Sampler: Matt Conway

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Gas/8020	Total Pb	TCLP Gas/8020	TCLP Metals						Special Instructions
ST3-EAST-CR	Soil	VOA jar	2	11/5/96 0940		X	X	X	X						USE ST3-EAST-CR
ST3-WEST-CR	Soil	VOA jar	2	11/5/96 1025		X	X	X	X						for site specific
DBOX-CR	Soil	VOA jar	2	11/5/96 1115		X	X	X	X						MS/MSD
DBOX-CR-FB1	Water	VOA	1	11/5/96 1116		X									
DBOX-CR-RB1	Water	VOA jar	3	11/5/96 1130		X	X	X	X						
TRIP BLANK	Water	VOA	1			X									

TCLP 8010

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Conway	11/6/96 0945			same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[illegible]	11/6/96 0945	intact X	on ice X

Samp[illegible] will be [illegible]sed o[illegible] 30 da[illegible]

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, WW-1
Lab Number: PGJ01244

Sampled: Oct 23, 1997
Received: Oct 23, 1997
Extracted: Oct 23, 1997
Analyzed: Oct 24, 1997
Reported: Nov 6, 1997

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene	93%
a,a,a-Trifluorotoluene	99%

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HSI Geo Trans, Inc.
865 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, WW-3
Lab Number: PGJ01246

Sampled: Oct 23, 1997
Received: Oct 23, 1997
Extracted: Oct 23, 1997
Analyzed: Oct 24, 1997
Reported: Nov 6, 1997

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**57**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene	93%
a,a,a-Trifluorotoluene	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, WW-4
Lab Number: PGJ01248

Sampled: Oct 23, 1997
Received: Oct 23, 1997
Extracted: Oct 23, 1997
Analyzed: Oct 24, 1997
Reported: Nov 6, 1997

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene	90%
a,a,a-Trifluorotoluene	99%

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"'ISI Geo Trans, Inc.
,65 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Water, Trip Blank
Lab Number: PGJ01250

Sampled: Oct 23, 1997
Received: Oct 23, 1997
Extracted: Oct 29, 1997
Analyzed: Oct 29, 1997
Reported: Nov 6, 1997

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1-Dichloroethene	0.50	N.D.
-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene	97%
a,a,a-Trifluorotoluene	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, WW-2
Lab Number: PGJ01245

Sampled: Oct 23, 1997
Received: Oct 23, 1997
Extracted: Oct 27-29, 1997
Analyzed: Oct 27-29, 1997
Reported: Nov 6, 1997

RCRA METALS

Analyte	EPA Method	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010A	2.5	12
Barium	6010A	0.50	160
Cadmium	6010A	0.50	1.2
Chromium	6010A	2.0	32
Lead	6010A	2.5	5.3
Mercury	7471A	0.020	N.D.
Selenium	6010A	5.0	N.D.
Silver	6010A	2.5	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, WW-4
Lab Number: PGJ01248

Sampled: Oct 23, 1997
Received: Oct 23, 1997
Extracted: Oct 27-29, 1997
Analyzed: Oct 27-29, 1997
Reported: Nov 6, 1997

RCRA METALS

Analyte	EPA Method	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010A	2.5	11
Barium	6010A	0.50	160
Cadmium	6010A	0.50	1.2
Chromium	6010A	2.0	34
Lead	6010A	2.5	4.6
Mercury	7471A	0.020	N.D.
Selenium	6010A	5.0	N.D.
Silver	6010A	2.5	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Oct 29, 1997
Analyzed: Oct 29, 1997
Reported: Nov 6, 1997
Matrix: Water

HALOGENATED AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries:	
1-chloro-3-fluorotoluene	100%
aaa-Trifluorotoluene	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Oct 27-29, 1997
Analyzed: Oct 27-29, 1997
Reported: Nov 6, 1997
Matrix: Soil

RCRA METALS

Analyte	EPA Method	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Arsenic	6010A	2.5	N.D.
Barium	6010A	0.50	N.D.
Cadmium	6010A	0.50	N.D.
Chromium	6010A	2.0	N.D.
Lead	6010A	2.5	N.D.
Mercury	7471A	0.020	N.D.
Selenium	6010A	5.0	N.D.
Silver	6010A	2.5	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 10/24/97

Sample #: PGJ01248

Batch #: GJ247B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
Benzene	0	50	46	48	93	95	2.5	94	≤ 30	39-150
Chloroform	6.9	50	60	61	106	108	1.7	107	≤ 30	49-133
1,1-Dichloroethane	0	50	43	47	86	94	9.2	90	≤ 30	47-132
Dichloroethane	0	50	46	46	91	92	0.74	92	≤ 30	51-147
1,1-Dichloroethene	0	50	46	48	92	95	3.6	93	≤ 30	28-167
Tetrachloroethene	0	50	54	56	108	112	3.9	110	≤ 30	26-162
Toluene	0	50	51	52	102	104	2.5	103	≤ 30	46-148
Trichloroethene	29	50	87	88	116	118	1.1	117	≤ 30	35-146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) x 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) x 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) x 100
Mean PR..... Mean Percent Recovery
eptance Limits..... Determined by EPA Method 8021

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MS/MSD DATA REPORT

METHOD Metals
Instrument: ICP
Matrix: Soil

Date: 10/27/97

Sample #: PGJ01248

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Arsenic	5.9	50	50	51	88%	90%	2.0%	89%
Barium	160	250	380	370	88%	84%	2.7%	86%
Cadmium	1.2	50	54	47	106%	92%	13.9%	99%
Chromium	34	50	80	76	92%	84%	5.1%	88%
Lead	4.6	50	54	51	99%	93%	5.7%	96%
Selenium	0	50	43	42	86%	84%	2.4%	85%
Silver	0.14	50	54	48	108%	96%	11.8%	102%

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration Added to Sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical **All QA/QC was within acceptance limits.**

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MS/MSD DATA REPORT

EPA METHOD: 245.1
Matrix: Water

DATE: 10/24/97

SAMPLE # PGJ01287

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0	5.0	5.1	5.1	98%	98%	0.0%	98%

Definition of Terms:

..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; (MS-R1) / SP X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Del Mar Analytical

QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address:
HSI GEOTRANS, INC
1665 S. ASH AVENUE G-1
Tempe, AZ 85282

Project/PO Number:
N386-120

Project Manager/Phone Number:
Steve Smith
839-2800

Sampler:
Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	[illegible]	[illegible]								Special Instructions
PT-2L	W	24mlVOA	2	10/23/97 1450	4°C HCL	X									
MW-1	S	1 VOA 1 sleeve	2	10/23/97 0952	4°C methanol	X	X								
MW-2	S	1 VOA 1 sleeve	2	[illegible]	4°C methanol	X	X								
MW-3	S	1 VOA 1 sleeve	2	10/23/97 1018	4°C methanol	X	X								
MW-3-FB	methanol	1 VOA	1	10/23/97 1015	4°C	X									field blank
MW-4	S	1 VOA 1 sleeve	2	10/23/97 1039	4°C methanol	X	X								
MW-4-MS	S	1 VOA 1 sleeve	2	10/23/97 1039	4°C methanol	X	X								
MW-4-MSD	S	1 VOA 1 sleeve	2	10/23/97 1039	4°C methanol	X	X								for MS/MSD
MWP-RB	W	40mlVOA [illegible]	3	10/23/97 1330	4°C HCL	X	X								rinse blank
TRIP BLANK						X									

Relinquished By: Matthew Conway Date /Time: 10/23/97 14:17
Received by: Date /Time:

Relinquished By: Date /Time:
Received by: Date /Time:

Relinquished By: Date /Time:
Received in Lab by: [illegible] Date /Time: 10/23/97 1417

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact X on ice X

Note: Sample(s) will be disposed of after 30 days.

N386-120

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'ISI Geo Trans, Inc.
65 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00117

Sampled: Nov 4, 1997
Received: Nov 4, 1997
Extracted: Nov 4-7, 1997
Analyzed: Nov 5-7, 1997
Reported: Nov 5-12, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00117	ST-1-101-10	Soil	8010/8020
PGK00118	ST-1-101-20	Soil	8010/8020
PGK00119	ST-1-101-30	Soil	8010/8020
PGK00120	ST-1-101-40	Soil	8010/8020
PGK00121	ST-1-101-50	Soil	8010/8020
PGK00122	ST-1-101-50FB	Soil	8010/8020
PGK00123	ST-1-101-50RB	Water	601/602
PGK00124	SP-1-102-10	Soil	8010/8020
PGK00125	SP-1-102-20	Soil	8010/8020
PGK00126	SP-1-102-30	Soil	8010/8020
PGK00127	Trip Blank	Water	601/602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
865 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, ST-1-101-20
Lab Number: PGK00118

Sampled: Nov 4, 1997
Received: Nov 4, 1997
Extracted: Nov 4, 1997
Analyzed: Nov 5, 1997
Reported: Nov 5, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	97%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, ST-1-101-40
Lab Number: PGK00120

Sampled: Nov 4, 1997
Received: Nov 4, 1997
Extracted: Nov 4, 1997
Analyzed: Nov 5, 1997
Reported: Nov 5, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	92%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, ST-1-101-50FB
Lab Number: PGK00122

Sampled: Nov 4, 1997
Received: Nov 4, 1997
Extracted: Nov 7, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)	96%
aaa-Trifluorotoluene(80-120)	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, SP-1-102-20
Lab Number: PGK00125

Sampled: Nov 4, 1997
Received: Nov 4, 1997
Extracted: Nov 4, 1997
Analyzed: Nov 5, 1997
Reported: Nov 5, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Water, Trip Blank
Lab Number: PGK00127

Sampled: Nov 4, 1997
Received: Nov 4, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	101%
aaa-Trifluorotoluene(80-120).....	103%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 5, 1997
Analyzed: Nov 5, 1997
Reported: Nov 12, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	95%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	99%
aaa-Trifluorotoluene(80-120).....	104%

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/05/97

Sample #: PGK00117

Batch #: GK05121S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	43	46	87	92	6.1	89	<30	39 - 150
Chloroform	0	50	50	53	99	105	5.8	102	<30	49 - 133
1,1-Dichloroethane	0	50	50	53	101	106	5.1	103	<30	47 - 132
1,2-Dichloroethane	0	50	49	52	98	104	5.3	101	<30	51 - 147
1,1-Dichloroethene	0	50	43	45	85	89	4.3	87	<30	28 - 167
Tetrachloroethene	0.28	50	51	54	102	107	5.4	105	<30	26 - 162
Toluene	7.0	50	48	51	81	88	6.8	84	<30	46 - 148
Trichloroethene	0.11	50	52	54	105	107	2.3	106	<30	35 - 146

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by EPA Method 8021

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CHAIN OF CUSTODY FORM

Client Name/Address: HSI Yolians

Project/PO Number: N366-120

Project Manager/Phone Number: Steve Smith 839-2800

Sampler: Matt Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602								GA/GC Special Instructions
ST-1-101-10	S	VOA	1	11/4/97 11:42	4° Methanol	X				NOTE:	ALL	8010/8020			
ST-1-101-20	S			11/4/97 11:[illegible]		X				Soil	Samples,	with			
ST-1-101-30	S			11/4/97 11:14		X				the	exception	of GA/GC			
ST-1-101-40	S			11/4/97 11:29		X				samples	are	immediate			
ST-1-101-50	S			11/4/97 [illegible]		X				turnaround					
ST-1-101-50FB	M			11/4/97 [illegible]		X									FIELD BLANK
ST-1-101-50RB	W	VOA	2	11/4/97 12:30	HCL		X			Any	Questions,	contact			RINSE BLANK
SP-1-102-10	S	VOA	1	11/4/97 [illegible]	[illegible]	X				Jeff	Matsumoto				
SP-1-102-20	S	VOA	1	11/4/97 [illegible]		X									
SP-1-102-30	S	VOA	1	11/4/97 [illegible]		X									

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matt Conway	4 Nov 97 1418	D. Richardson	11/4/97 1418
D. Richardson	11/4/97 1500		
		Received in Lab by:	Date /Time:
		[illegible]	11/4/97 1500

Turnaround Time: (check)
same day X
24 hours ____
48 hours ____
72 hours ____
5 days ____
normal X

Sample Integrity: (Check)
intact X
on ice X

Note: Sample(s) will be disposed of after 30 days.

Custody seals on coolers intact [illegible]

N386-120

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00210

Sampled: Nov 4-5, 1997
Received: Nov 5, 1997
Extracted: Nov 4-6, 1997
Analyzed: Nov 5-7, 1997
Reported: Nov 7-11, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00210	SP-1-102-40	Soil	8010/8020
PGK00211	SP-1-102-50	Soil	8010/8020
PGK00212	SP-1-103-10	Soil	8010/8020
PGK00213	SP-1-103-20	Soil	8010/8020
PGK00214	SP-1-103-30	Soil	8010/8020
PGK00217	SP-1-103-40	Soil	8010/8020
PGK00218	SP-1-103-50	Soil	8010/8020
PGK00219	SP-1-103-35	Soil	8010/8020
PGK00220	SP-1-103-35FB	Soil	8010/8020
PGK00221	BH-2-102-10	Soil	8010/8020
PGK00222	BH-2-102-10RB	Water	601/602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Celebrating 10 years of service 1987-1997

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, SP-1-102-40
Lab Number: PGK00210

Sampled: Nov 4, 1997
Received: Nov 5, 1997
Extracted: Nov 4, 1997
Analyzed: Nov 5, 1997
Reported: Nov 7, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	94%
aaa-Trifluorotoluene(80-120).....	99%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-102-80
Lab Number: PGK00229

Sampled: Nov 5, 1997
Received: Nov 5, 1997
Extracted: Nov 5, 1997
Analyzed: Nov 6, 1997
Reported: Nov 7, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	88%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Water, BH-2-102-10RB
Lab Number: PGK00222

Sampled: Nov 5, 199
Received: Nov 5, 19
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 7, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
s-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	100%
aaa-Trifluorotoluene(80-120).....	103%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Water, Trip Blank
Lab Number: PGK00230

Sampled: Nov 5, 1997
Received: Nov 5, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 7, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	**0.50**	**0.93**
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	**0.50**	**0.60**
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	102%
aaa-Trifluorotoluene(80-120).....	102%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 5, 19
Analyzed: Nov 5, 19
Reported: Nov 7, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	95%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 7, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 7, 19
Analyzed: Nov 7, 19
Reported: Nov 11, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
s-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 7, 1997
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	99%
aaa-Trifluorotoluene(80-120).....	104%

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 11/06/97

Sample #: PGK00197

Batch #: GK06111W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0.073	5.0	4.9	4.9	96	96	0.064	96	<30	39 - 150
Chloroform	0.14	5.0	5.5	5.6	108	109	1.3	109	<30	49 - 133
1,1-Dichloroethane	0	5.0	5.4	5.4	108	108	0.090	108	<30	47 - 132
1,2-Dichloroethane	0.058	5.0	5.5	5.5	108	109	1.1	109	<30	51 - 147
1,1-Dichloroethene	0	5.0	5.6	5.0	111	100	11	106	<30	28 - 167
Tetrachloroethene	0.20	5.0	5.8	5.8	112	113	1.1	112	<30	26 - 162
Toluene	0.28	5.0	5.1	5.2	97	98	1.3	97	<30	46 - 148
Trichloroethene	0.089	5.0	5.8	6.0	115	118	2.6	117	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 601/602

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/05/97

Sample #: PGK00117

Batch #: GK05121S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	43	46	87	92	6.1	89	< 30	39 - 150
Chloroform	0	50	50	53	99	105	5.8	102	< 30	49 - 133
1,2-Dichloroethane	0	50	50	53	101	106	5.1	103	< 30	47 - 132
1,2-Dichloroethane	0	50	49	52	98	104	5.3	101	< 30	51 - 147
1,1-Dichloroethene	0	50	43	45	85	89	4.3	87	< 30	28 - 167
Tetrachloroethene	0.28	50	51	54	102	107	5.4	105	< 30	26 - 162
Toluene	7.0	50	48	51	81	88	6.8	84	< 30	46 - 148
Trichloroethene	0.11	50	52	54	105	107	2.3	106	< 30	35 - 146

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by EPA Method 8021

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/06/97

Sample #: PGK00214

Batch #: GK06121S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	46	46	91	93	1.4	92	<30	39 - 150
Chloroform	0.32	50	57	56	114	111	3.0	112	<30	49 - 133
1,1-Dichloroethane	0	50	54	54	108	108	0.20	108	<30	47 - 132
1,2-Dichloroethane	0	50	53	52	107	105	1.9	106	<30	51 - 147
1,1-Dichloroethene	0	50	47	45	94	91	3.5	92	<30	28 - 167
Tetrachloroethene	0	50	55	54	111	107	3.3	109	<30	26 - 162
Toluene	8.5	50	45	51	74	85	11	79	<30	46 - 148
Trichloroethene	0	50	55	55	111	110	0.96	110	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 8021

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/07/97

Sample #: PGK00320

Batch #: GK07121S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	42	42	84	85	0.20	84	<30	39 - 150
Chloroform	0	50	48	48	97	97	0.39	97	<30	49 - 133
1,1-Dichloroethane	0	50	48	49	97	98	0.98	97	<30	47 - 132
1,2-Dichloroethane	0	50	45	48	90	96	6.3	93	<30	51 - 147
1,1-Dichloroethene	0	50	40	41	80	82	2.7	81	<30	28 - 167
Tetrachloroethene	0	50	50	51	100	101	1.5	100	<30	26 - 162
Toluene	7.2	50	48	48	82	82	0.38	82	<30	46 - 148
Trichloroethene	0.24	50	54	53	107	106	1.0	107	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 8021

Del Mar Analytical

Custody Seals on Cooler PAGE 1 OF 2

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CHAIN OF CUSTODY FORM

Client Name/Address: MSE Southwest

Project/PO Number: N:386-120

Project Manager/Phone Number: Steve Smith 639-8800

Sampler: MATTHEW CONNAN

Analysis Required: 8010/8020; 601/602

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602								Special Instructions
BH-2-102-20	S	VOA	1	11/5 12:41	4°C MeOH	X									
BH-2-102-30	S	VOA	1	11/5 13:04	4°C MeOH	X									
BH-2-102-40	S	VOA	1	11/5 13:15	4°C MeOH	X									
BH-2-102-50	S	VOA	1	11/5 13:41	4°C MeOH	X									
BH-2-102-60	S	VOA	1	11/5 14:14	4°C MeOH	X									
BH-2-102-70	S	VOA	1	11/5 15:02	4°C MeOH	X									
BH-2-102-80	S	VOA	1	11/5	4°C MeOH	X									
TRIP BLANK	W	VOA	2	11/5	4°C HCL		X								

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew Connan	5 Nov 97 / 15:38	[illegible]	11/5/97 15:38	same day X	72 hours
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours	5 days
				48 hours	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[illegible]	11/5/97 ~4pm	intact X	on ice X

Note: Sample(s) will be disposed of after 30 days.

Report to [illegible]

Custody Seals on Cooler

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CHAIN OF CUSTODY FORM

Client Name/Address: USI [illegible]

Project/PO Number: N38C-120

Project Manager/Phone Number: STEVE [illegible] 839-2800

Sampler: MATTHEW CONNAM

Sample Description	Sample Matrix	Container Type	# of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602								Special Instructions
SP-1-102-40	S	VOA	1	11/4/97 13:25	4°C MeOH	X			VOTE: All immediate						
SP-1-102-50	S		1	11/4/97 14:46		X			TAT except for						
SP-1-103-10	S		1	11/5/97 0949		X			blanks and spike						
SP-1-103-20	S		1	11/5 0900		X			samples						
SP-1-103-30	S		1	11/5 0930		X									
SP-1-103-30MS	S		1	11/5 0930		X									Matrix Spike
SP-1-103-30MSD	S		1	11/5 0930		X									Matrix Spike D
SP-1-103-40	S		1	11/5 0959		X									
SP-1-103-50	S		1	11/5 1020		X									
SP-1-103-35	S		1	11/5 1116		X									
SP-1-103-35FB	M		1	11/5 1116		X									FIELD BLANK
~~SP-1~~ MEC 11/5/97															
BH-2-102-10	S		1	11/5 1210	4°C MeOH	X									
BH-2-102-10RB	W		2	11/5 1240	4°C HCL		X								Rinse Blank

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
[illegible]	5 NOV 97 / 15:38	Kevin Todd 11/5/97	11/5/97 15:38	same day X	72 hours ___
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ___	5 days ___
				48 hours ___	normal X
Relinquished By:	Date /Time:	Received in Lab by: [illegible]	Date /Time: 11/5/97 ~4PM	Sample Integrity: (Check) intact X	on ice X

Note: Sample(s) will be disposed of after 30 days.

RECEIVED F/ T. [illegible]

N386-120

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00271

Sampled: Nov 6, 1997
Received: Nov 6, 1997
Extracted: Nov 6-7, 1997
Analyzed: Nov 6-7, 1997
Reported: Nov 12-18, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00271	BH-2-103-10	Soil	8010/8020
PGK00272	BH-2-103-20	Soil	8010/8020
PGK00273	BH-2-103-30	Soil	8010/8020
PGK00274	BH-2-103-30FB	Soil	8010/8020
PGK00275	BH-2-103-40	Soil	8010/8020
PGK00276	BH-2-103-50	Soil	8010/8020
PGK00277	BH-2-103-50RB	Water	601/602
PGK00278	BH-2-103-60	Soil	8010/8020
PGK00279	BH-2-103-70	Soil	8010/8020
PGK00280	BH-2-103-80	Soil	8010/8020
PGK00281	BH-2-101-10	Soil	8010/8020
PGK00282	Trip Blank	Water	601/602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Celebrating 10 years of service 1987-1997

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-10
Lab Number: PGK00271

Sampled: Nov 6, 199
Received: Nov 6, 199
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-20
Lab Number: PGK00272

Sampled: Nov 6, 1997
Received: Nov 6, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-30
Lab Number: PGK00273

Sampled: Nov 6, 19[illegible]
Received: Nov 6, 19[illegible]
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	99%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

ISI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-30FB
Lab Number: PGK00274

Sampled: Nov 6, 1997
Received: Nov 6, 1997
Extracted: Nov 7, 1997
Analyzed: Nov 7, 1997
Reported: Nov 18, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	94%
aaa-Trifluorotoluene(80-120).....	100%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

HSI Geo Trans, Inc.
1665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-40
Lab Number: PGK00275

Sampled: Nov 6, 19
Received: Nov 6, 19
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)	96%
aaa-Trifluorotoluene(80-120)	101%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-50
Lab Number: PGK00276

Sampled: Nov 6, 1997
Received: Nov 6, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)	91%
aaa-Trifluorotoluene(80-120)	102%

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HSI Geo Trans, Inc.
1665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-60
Lab Number: PGK00278

Sampled: Nov 6, 19
Received: Nov 6, 19
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	92%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-70
Lab Number: PGK00279

Sampled: Nov 6, 1997
Received: Nov 6, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene**	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.
****Estimated concentrations present below reporting limit at 33 µg/Kg.**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)	93%
aaa-Trifluorotoluene(80-120)	101%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-103-80
Lab Number: PGK00280

Sampled: Nov 6, 1
Received: Nov 6, 19
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene**	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.
****Estimated concentrations present below reporting limit at 9.9 µg/Kg.**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	99%

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HSI Geo Trans, Inc.
865 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-101-10
Lab Number: PGK00281

Sampled: Nov 6, 1997
Received: Nov 6, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	97%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Water, BH-2-103-50RB
Lab Number: PGK00277

Sampled: Nov 6, 19
Received: Nov 6, 19
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
s-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	103%
aaa-Trifluorotoluene(80-120).....	106%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Water, Trip Blank
Lab Number: PGK00282

Sampled: Nov 6, 1997
Received: Nov 6, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 6, 1997
Reported: Nov 12, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	102%
aaa-Trifluorotoluene(80-120).....	102%

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HSI Geo Trans, Inc.
:665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 6, 19
Analyzed: Nov 6, 19
Reported: Nov 18, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
is-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 7, 1997
Analyzed: Nov 7, 1997
Reported: Nov 18, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 6, 199
Analyzed: Nov 6, 199
Reported: Nov 12, 1997
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	99%
aaa-Trifluorotoluene(80-120).....	104%

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/06/97

Sample #: PGK00214

Batch #: GK06121S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
enzene	0	50	46	46	91	93	1.4	92	<30	39 - 150
hloroform	0.32	50	57	56	114	111	3.0	112	<30	49 - 133
1,1-Dichloroethane	0	50	54	54	108	108	0.20	108	<30	47 - 132
chloroethane	0	50	53	52	107	105	1.9	106	<30	51 - 147
1,1-Dichloroethene	0	50	47	45	94	91	3.5	92	<30	28 - 167
etrachloroethene	0	50	55	54	111	107	3.3	109	<30	26 - 162
oluene	8.5	50	45	51	74	85	11	79	<30	46 - 148
ichloroethene	0	50	55	55	111	110	0.96	110	<30	35 - 146

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
cceptance Limits . . . . . Determined by EPA Method 8021

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/07/97

Sample #: PGK00320

Batch #: GK07121S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
Benzene	0	50	42	42	84	85	0.20	84	<30	39 - 150
Chloroform	0	50	48	48	97	97	0.39	97	<30	49 - 133
1,1-Dichloroethane	0	50	48	49	97	98	0.98	97	<30	47 - 132
[illegible]ichloroethane	0	50	45	48	90	96	6.3	93	<30	51 - 147
1,1-Dichloroethene	0	50	40	41	80	82	2.7	81	<30	28 - 167
Tetrachloroethene	0	50	50	51	100	101	1.5	100	<30	26 - 162
Toluene	7.2	50	48	48	82	82	0.38	82	<30	46 - 148
Trichloroethene	0.24	50	54	53	107	106	1.0	107	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 8021

Del Mar Analytical

Del Mar Analytical

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 11/06/97

Sample #: PGK00197

Batch #: GK06111W

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0.073	5.0	4.9	4.9	96	96	0.064	96	<30	39 - 150
Chloroform	0.14	5.0	5.5	5.6	108	109	1.3	109	<30	49 - 133
1,1-Dichloroethane	0	5.0	5.4	5.4	108	108	0.090	108	<30	47 - 132
Chloroethane	0.058	5.0	5.5	5.5	108	109	1.1	109	<30	51 - 147
1,1-Dichloroethene	0	5.0	5.6	5.0	111	100	11	106	<30	28 - 167
Tetrachloroethene	0.20	5.0	5.8	5.8	112	113	1.1	112	<30	26 - 162
Toluene	0.28	5.0	5.1	5.2	97	98	1.3	97	<30	46 - 148
Trichloroethene	0.089	5.0	5.8	6.0	115	118	2.6	117	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 601/602

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Custody Seals on Cooler

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHAIN OF CUSTODY FORM

Client Name/Address: [illegible] COTTRELL, 4645 S. ASH AVE C-1, TEMPE, AZ 85282

Project/PO Number: N380-120

Project Manager/Phone Number: Steve Smith 839-2800

Sampler: [illegible]

Analysis Required: 8010/8020; 601/602

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602								Special Instructions
BH-2-103-10	S	VOA	1	11/6/97 0[illegible]	4°C Methanol	X									
BH-2-103-20	S	VOA	1	11/6/97 0[illegible]	4°C Methanol	X									
BH-2-103-30	S	VOA	1	11/6/97 0[illegible]	4°C Methanol	X									
BH-2-103-30FB	M	VOA	1	11/6/97 0[illegible]	4°C Methanol	X									FIELD BLANK
BH-2-103-40	S	VOA	1	11/6/97 0[illegible]	4°C Methanol	X									
BH-2-103-50	S	VOA	1	11/6/97 1[illegible]	4°C Methanol	X									
BH-2-103-50RB	W	VOA	2	11/6/97 1[illegible]	4°C HCl		X								Rinsate Blank
BH-2-103-60	S	VOA	1	11/6/97 1[illegible]	4°C Methanol	X									
BH-2-103-70	S	VOA	1	11/6/97 11[illegible]	4°C Methanol	X									
BH-2-103-80	S	VOA	1	11/6/97 11[illegible]	4°C Methanol	X									
BH-2-101-10	S	VOA	1	11/6/97 [illegible]	4°C Methanol	X									
BH-2-101-80	S	VOA	1	11/6/97	[illegible]										
TRIP BLANK	W	VOA	2				X								

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
[illegible]	11/6/97 / 14:00	O. Richardson	11/6/97 14:00	same day X	72 hours ___
Relinquished By: O. Richardson	Date /Time: 11/6/97 1425	Received by:	Date /Time:	24 hours ___	5 days ___
				48 hours ___	normal X
Relinquished By:	Date /Time:	Received in Lab by: [illegible]	Date /Time: 11/6/97 1425	Sample Integrity: (Check) intact X	on ice X

Note: Sample(s) will be disposed of after 30 days.

N386-120

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00320

Sampled: Nov 6, 1997
Received: Nov 7, 1997
Extracted: Nov 6-14, 1997
Analyzed: Nov 7-14, 1997
Reported: Nov 12-20, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00320	BH-2-101-20	Soil	8010/8020
PGK00321	BH-2-101-30	Soil	8010/8020
PGK00322	BH-2-101-30FB	Soil	8010/8020
PGK00323	BH-2-101-40	Soil	8010/8020
PGK00324	BH-2-101-50	Soil	8010/8020
PGK00325	BH-2-101-35	Soil	8010/8020
PGK00326	BH-2-101-60	Soil	8010/8020
PGK00327	BH-2-101-60RB	Water	601/602
PGK00328	BH-2-101-70	Soil	8010/8020
PGK00329	BH-2-101-80	Soil	8010/8020
PGK00330	Trip Blank	Water	601/602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-2-101-20
Lab Number: PGK00320

Sampled: Nov 6, 19
Received: Nov 7, 199
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	100%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

'SI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-101-30
Lab Number: PGK00321

Sampled: Nov 6, 1997
Received: Nov 7, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1-Dichloroethene	50	N.D.
s-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	94%
aaa-Trifluorotoluene(80-120).....	100%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-2-101-30FB
Lab Number: PGK00322

Sampled: Nov 6, 19
Received: Nov 7, 19
Extracted: Nov 8, 1997
Analyzed: Nov 8, 1997
Reported: Nov 20, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	101%

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'SI Geo Trans, Inc.
565 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-101-40
Lab Number: PGK00323

Sampled: Nov 6, 1997
Received: Nov 7, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
'-Dichloroethene	50	N.D.
-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	97%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-2-101-50
Lab Number: PGK00324

Sampled: Nov 6, 19
Received: Nov 7, 19
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	100%
aaa-Trifluorotoluene(80-120).....	100%

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'SI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-2-101-35
Lab Number: PGK00325

Sampled: Nov 6, 1997
Received: Nov 7, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1-Dichloroethene	50	N.D.
s-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-2-101-60
Lab Number: PGK00326

Sampled: Nov 6, 1
Received: Nov 7, 19
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	91%
aaa-Trifluorotoluene(80-120).....	99%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-2-101-70
Lab Number: PGK00328

Sampled: Nov 6, 1997
Received: Nov 7, 1997
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	95%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-2-101-80
Lab Number: PGK00329

Sampled: Nov 6, 19[illegible]
Received: Nov 7, 19[illegible]
Extracted: Nov 6, 1997
Analyzed: Nov 7, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	95%
aaa-Trifluorotoluene(80-120).....	101%

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ISI Geo Trans, Inc.	Client Project ID: N386-120	Sampled: Nov 6, 1997
365 South Ash Ave., Ste. G-1		Received: Nov 7, 1997
Tempe, AZ 85282	Sample Descript: Water, BH-2-101-60RB	Extracted: Nov 14, 1997
Attention: Steve Smith	Lab Number: PGK00327	Analyzed: Nov 14, 1997
		Reported: Nov 20, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	94%
aaa-Trifluorotoluene(80-120).....	104%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Water, Trip Blank
Lab Number: PGK00330

Sampled: Nov 6, 19
Received: Nov 7, 19
Extracted: Nov 14, 1997
Analyzed: Nov 14, 1997
Reported: Nov 20, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	94%
aaa-Trifluorotoluene(80-120).....	105%

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SI Geo Trans, Inc.
65 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 7, 1997
Analyzed: Nov 7, 1997
Reported: Nov 20, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
-Dichloroethene	50	N.D.
-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 11, 19
Analyzed: Nov 11, 19
Reported: Nov 20, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	102%

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'SI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 14, 1997
Analyzed: Nov 14, 1997
Reported: Nov 20, 1997
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
-1,2-Dichloroethene	0.50	N.D.
ans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	89%
aaa-Trifluorotoluene(80-120).....	103%

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/07/97

Sample #: PGK00320

Batch #: GK07121S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	42	42	84	85	0.20	84	<30	39 - 150
Chloroform	0	50	48	48	97	97	0.39	97	<30	49 - 133
1,1-Dichloroethane	0	50	48	49	97	98	0.98	97	<30	47 - 132
Dichloroethane	0	50	45	48	90	96	6.3	93	<30	51 - 147
1,1-Dichloroethene	0	50	40	41	80	82	2.7	81	<30	28 - 167
Tetrachloroethene	0	50	50	51	100	101	1.5	100	<30	26 - 162
Toluene	7.2	50	48	48	82	82	0.38	82	<30	46 - 148
Trichloroethene	0.24	50	54	53	107	106	1.0	107	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 8021

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 11/14/97

Sample #: PGK00327

Batch #: GK147B1W

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
nzene	0	5.0	4.8	4.9	95	98	2.8	96	<30	39 - 150
hloroform	0	5.0	5.3	5.5	106	110	4.2	108	<30	49 - 133
hloroethane	0	5.0	5.1	5.1	102	103	0.96	102	<30	47 - 132
chloroethane	0	5.0	5.1	5.1	102	103	1.4	102	<30	51 - 147
-Dichloroethene	0	5.0	5.0	5.1	99	102	2.4	100	<30	28 - 167
etrachloroethene	0	5.0	5.2	5.3	105	107	2.0	106	<30	26 - 162
luene	0.35	5.0	5.1	5.2	94	97	2.5	95	<30	46 - 148
ichloroethene	0.0098	5.0	5.0	5.2	100	104	4.6	102	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
ceptance Limits..... Determined by EPA Method 601/602

Del Mar Analytical
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CHAIN OF CUSTODY FORM

Client Name/Address: [illegible]

Project/PO Number: N 386-120

Project Manager/Phone Number: Steve Smith 839-2800

Sampler: Matthew Smith

Analysis Required: 8010/8020; 601/602

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602								Special Instructions
BH-2-101-20	S	VOA	1	11/6/97 13:41	4°C Hollland	X									
BH-2-101-20MS	S	VOA	1	11/6/97 13:54	4°C Hollland	X									Matrix Spike
BH-2-101-20MSD	S	VOA	1	11/6/97 13:54	4°C Hollland	X									Matrix Spike duplicate
BH-2-101-30	S	VOA	1	11/6/97 14:20	4°C Hollland	X									
BH-2-101-30FB	M	VOA	1	11/6/97 14:20	4°C Hollland	X									Field Blank
BH-2-101-40	S	VOA	1	11/6/97 [illegible]	4°C Hollland	X									
BH-2-101-50	S	VOA	1	11/6/97 [illegible]	4°C Hollland	X									
BH-2-101-55	S	VOA	1	11/6/97 [illegible]	4°C Hollland	X									
BH-2-101-60	S	VOA	1	11/6/97 [illegible]	4°C Hollland	X									
BH-2-101-60RB	W	VOA	2	11/6/97 [illegible]	4°C HCl		X								Rinsed-Blank
BH-2-101-70	S	VOA	1	11/6/97 [illegible]	4°C Hollland	X									
BH-2-101-80	S	VOA	1	11/6/97 [illegible]	4°C Hollland	X									
TRIP BLANK							X								

Relinquished By: Matthew Smith Date /Time: 6 Nov 97 / 18:43
Received by: [signature] Date /Time: 6 Nov 97 / 1843

Relinquished By: [signature] Date /Time: 11/7/97 1115
Received by: Date /Time:

Relinquished By: Date /Time:
Received in Lab by: Kelli Mengard 11-7-97 1115

Turnaround Time: (check) Per Quote
same day X 72 hours
24 hours 5 days
48 hours normal

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) will be disposed of after 30 days.

N386-120

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00343

Sampled: Nov 7, 1997
Received: Nov 7, 1997
Extracted: Nov 7-14, 1997
Analyzed: Nov 11-14, 1997
Reported: Nov 12-18, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00343	BH-1-101-10	Soil	8010/8020
PGK00344	BH-1-101-20	Soil	8010/8020
PGK00345	BH-1-101-30	Soil	8010/8020
PGK00346	BH-1-101-40	Soil	8010/8020
PGK00347	BH-1-101-50	Soil	8010/8020
PGK00348	BH-1-101-60	Soil	8010/8020
PGK00349	BH-1-101-70	Soil	8010/8020
PGK00350	BH-1-101-70FB	Soil	8010/8020
PGK00351	BH-1-101-80	Soil	8010/8020
PGK00352	BH-1-101-80RB	Water	601/602
PGK00353	BH-1-101-85	Soil	8010/8020
PGK00354	Trip Blank	Water	601/602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-101-10
Lab Number: PGK00343

Sampled: Nov 7, 19
Received: Nov 7, 19
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**74**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	94%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
65 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-101-20
Lab Number: PGK00344

Sampled: Nov 7, 1997
Received: Nov 7, 1997
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	92%
aaa-Trifluorotoluene(80-120).....	102%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-101-30
Lab Number: PGK00345

Sampled: Nov 7, 1
Received: Nov 7, 1
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**60**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	94%
aaa-Trifluorotoluene(80-120).....	99%

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HSI Geo Trans, Inc.
565 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-101-40
Lab Number: PGK00346

Sampled: Nov 7, 1997
Received: Nov 7, 1997
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	97%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-101-50
Lab Number: PGK00347

Sampled: Nov 7, 19
Received: Nov 7, 19
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	97%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
865 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-101-60
Lab Number: PGK00348

Sampled: Nov 7, 1997
Received: Nov 7, 1997
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	90%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-101-70
Lab Number: PGK00349

Sampled: Nov 7, 19
Received: Nov 7, 19
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**310**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	91%
aaa-Trifluorotoluene(80-120).....	101%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

''SI Geo Trans, Inc.	Client Project ID: N386-120	Sampled: Nov 7, 1997
65 South Ash Ave., Ste. G-1		Received: Nov 7, 1997
Tempe, AZ 85282	Sample Descript: Soil, BH-1-101-70FB	Extracted: Nov 7, 1997
Attention: Steve Smith	Lab Number: PGK00350	Analyzed: Nov 11, 1997
		Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-101-80
Lab Number: PGK00351

Sampled: Nov 7, 19
Received: Nov 7, 19
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**510**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	92%
aaa-Trifluorotoluene(80-120).....	103%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-101-85
Lab Number: PGK00353

Sampled: Nov 7, 1997
Received: Nov 7, 1997
Extracted: Nov 7, 1997
Analyzed: Nov 11, 1997
Reported: Nov 12, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	**0.50**	**79**
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	92%
aaa-Trifluorotoluene(80-120).....	102%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Water, BH-1-101-80RB
Lab Number: PGK00352

Sampled: Nov 7, 19
Received: Nov 7, 19
Extracted: Nov 14, 1997
Analyzed: Nov 14, 1997
Reported: Nov 18, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	**0.50**	**1.1**
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	98%
aaa-Trifluorotoluene(80-120).....	108%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Water, Trip Blank
Lab Number: PGK00354

Sampled: Nov 7, 1997
Received: Nov 7, 1997
Extracted: Nov 14, 1997
Analyzed: Nov 14, 1997
Reported: Nov 18, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	107%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 11, 19
Analyzed: Nov 11, 19
Reported: Nov 12, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
s-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	102%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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HSI Geo Trans, Inc.
865 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 14, 1997
Analyzed: Nov 14, 1997
Reported: Nov 18, 1997
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)	89%
aaa-Trifluorotoluene(80-120)	103%

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/11/97

Sample #: PGK00349

Batch #: GK11121S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
Benzene	0	50	42	43	84	86	2.8	85	< 30	39 - 150
Chloroform	5.2	50	52	56	93	103	8.7	98	< 30	49 - 133
1,1-Dichloroethane	0	50	49	51	99	103	3.9	101	< 30	47 - 132
1,[illegible]ichloroethane	0	50	48	49	96	97	0.65	97	< 30	51 - 147
1,1-Dichloroethene	0	50	50	46	100	92	9.1	96	< 30	28 - 167
Tetrachloroethene	5.5	50	57	55	103	99	3.3	101	< 30	26 - 162
Toluene	5.7	50	48	49	84	86	1.9	85	< 30	46 - 148
Trichloroethene	310	50	340	250	71	0	30	36	< 30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits ..... Determined by EPA Method 8021

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 11/14/97

Sample #: PGK00327

Batch #: GK147B1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
enzene	0	5.0	4.8	4.9	95	98	2.8	96	<30	39 - 150
hloroform	0	5.0	5.3	5.5	106	110	4.2	108	<30	49 - 133
hloroethane	0	5.0	5.1	5.1	102	103	0.96	102	<30	47 - 132
ichloroethane	0	5.0	5.1	5.1	102	103	1.4	102	<30	51 - 147
1-Dichloroethene	0	5.0	5.0	5.1	99	102	2.4	100	<30	28 - 167
etrachloroethene	0	5.0	5.2	5.3	105	107	2.0	106	<30	26 - 162
oluene	0.35	5.0	5.1	5.2	94	97	2.5	95	<30	46 - 148
richloroethene	0.0098	5.0	5.0	5.2	100	104	4.6	102	<30	35 - 146

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
ceptance Limits . . . . . Determined by EPA Method 601/602

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Custody Seal on Cooler

CHAIN OF CUSTODY FORM

Client Name/Address: [illegible] GEOTRANS, INC, 4625 S. 48th Avenue, Suite C-11, Tempe, AZ 85282

Project/PO Number: N286-120

Project Manager/Phone Number: Steve Smith 829-2800

Sampler: Matthew Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602								Special Instructions
BH-1-101-10	S	VOA	1	11/7/97 0851	ice	X									
BH-1-101-20	S	VOA	1	11/7/97 0910		X									
BH-1-101-30	S	VOA	1	11/7/97 0935		X									
BH-1-101-40	S	VOA	1	11/7/97 1001		X									
BH-1-101-50	S	VOA	1	11/7/97 1026		X									
BH-1-101-60	S	VOA	1	11/7/97 1102		X									
BH-1-101-70	S	VOA	1	11/7/97 1140		X									
BH-1-101-70 FB	M	VOA	1	11/7/97 1140		X									Field Blank
BH-1-101-70MS	S	VOA	1	11/7/97 1140		X									Alternate Sample
BH-1-101-70MSD	S	VOA	1	11/7/97 1140		X									Alternate Sample
BH-1-101-80	S	VOA	1	11/7/97 1140		X									
BH-1-101-80PB	W	VOA	II	11/7/97 [illegible]			X								Rinse Blank
BH-1-101-85	S	VOA	1	11/7/97 [illegible]											
TRIP BLANK	W	VOA	II				X								Trip Blank

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (check)	
Matthew E. Conway	7Nov97 / 14:47			same day ✓	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		[illegible]	11/7/97 1411	intact ____	on ice ____

Note: Sample(s) [illegible] disposed of after 30 days.

N 386 120

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00390

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 10-17, 1997
Analyzed: Nov 11-17, 1997
Reported: Nov 13-18, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00390	BH-1-102-10	Soil	8010/8020
PGK00391	BH-1-102-20	Soil	8010/8020
PGK00392	BH-1-102-30	Soil	8010/8020
PGK00393	BH-1-102-45	Soil	8010/8020
PGK00394	BH-1-102-50	Soil	8010/8020
PGK00395	BH-1-102-50FB	Soil	8010/8020
PGK00396	BH-1-102-60	Soil	8010/8020
PGK00397	BH-1-102-70	Soil	8010/8020
PGK00398	Trip Blank	Water	601/602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-102-10
Lab Number: PGK00390

Sampled: Nov 10, 19
Received: Nov 10, 19
Extracted: Nov 10, 1997
Analyzed: Nov 11, 1997
Reported: Nov 13, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene**	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.
****Estimated concentrations present below reporting limit at 27 µg/Kg.**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	92%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-102-20
Lab Number: PGK00391

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 10, 1997
Analyzed: Nov 11, 1997
Reported: Nov 13, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-102-30
Lab Number: PGK00392

Sampled: Nov 10, 19
Received: Nov 10, 19
Extracted: Nov 10, 1997
Analyzed: Nov 11, 1997
Reported: Nov 13, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
s-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**71**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
865 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-102-45
Lab Number: PGK00393

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 10, 1997
Analyzed: Nov 11, 1997
Reported: Nov 13, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	98%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-102-50
Lab Number: PGK00394

Sampled: Nov 10, 19[illegible]
Received: Nov 10, 19[illegible]
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 13, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	91%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-102-50FB
Lab Number: PGK00395

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 13, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	86%
aaa-Trifluorotoluene(80-120).....	98%

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HSI Geo Trans, Inc.
1665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-102-60
Lab Number: PGK00396

Sampled: Nov 10, 19
Received: Nov 10, 19
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 13, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	89%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
865 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-102-70
Lab Number: PGK00397

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 13, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**260**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	90%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Water, Trip Blank
Lab Number: PGK00398

Sampled: Nov 10, 19
Received: Nov 10, 19
Extracted: Nov 17, 1997
Analyzed: Nov 17, 1997
Reported: Nov 18, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
s-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	103%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 12, 1997
Analyzed: Nov 12, 1997
Reported: Nov 13, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	87%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 12, 19
Analyzed: Nov 12, 19
Reported: Nov 18, 1997
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	87%
aaa-Trifluorotoluene(80-120).....	100%

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/11/97

Sample #: PGK00349

Batch #: GK11121S

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
enzene	0	50	42	43	84	86	2.8	85	<30	39 - 150
hloroform	5.2	50	52	56	93	103	8.7	98	<30	49 - 133
1-Dichloroethane	0	50	49	51	99	103	3.9	101	<30	47 - 132
chloroethane	0	50	48	49	96	97	0.65	97	<30	51 - 147
1-Dichloroethene	0	50	50	46	100	92	9.1	96	<30	28 - 167
trachloroethene	5.5	50	57	55	103	99	3.3	101	<30	26 - 162
oluene	5.7	50	48	49	84	86	1.9	85	<30	46 - 148
ichloroethene	310	50	340	250	71	0	30	36	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
ceptance Limits..... Determined by EPA Method 8021

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/12/97

Sample #: PGK00438

Batch #: GK137B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
nzene	0	50	43	45	86	90	4.1	88	<30	39 - 150
oroform	0	50	61	59	121	117	3.4	119	<30	49 - 133
l-Dichloroethane	0	50	48	52	96	104	8.7	100	<30	47 - 132
loroethane	0	50	45	47	90	93	3.4	92	<30	51 - 147
l-Dichloroethene	0	50	47	47	95	93	1.6	94	<30	28 - 167
rachloroethene	0.21	50	53	55	106	110	3.7	108	<30	26 - 162
luene	8.8	50	49	50	80	83	3.1	82	<30	46 - 148
hloroethene	12	50	66	66	109	109	0.024	109	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
eptance Limits..... Determined by EPA Method 8021

Del Mar Analytical

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 11/17/97

Sample #: PGK00416

Batch #: GK177B1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
enzene	0	5.0	4.8	4.9	97	97	0.65	97	<30	39 - 150
hloroform	0	5.0	5.4	5.4	108	108	0.036	108	<30	49 - 133
1-Dichloroethane	0	5.0	5.1	5.2	102	103	1.0	103	<30	47 - 132
ichloroethane	0	5.0	5.2	5.2	103	104	0.93	104	<30	51 - 147
1-Dichloroethene	0	5.0	4.7	4.7	94	94	0.27	94	<30	28 - 167
trachloroethene	0	5.0	5.3	5.5	106	111	4.6	108	<30	26 - 162
oluene	0.41	5.0	5.2	5.2	96	96	0.37	96	<30	46 - 148
ichloroethene	0.011	5.0	5.0	5.2	100	103	2.7	102	<30	35 - 146

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
ceptance Limits . . . . . Determined by EPA Method 601/602

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CHAIN OF CUSTODY FORM

Client Name/Address: HSI GEOTRANS

Project/PO Number: N386-120

Project Manager/Phone Number: Steve Smith

Sampler: Matt Conway

Analysis Required: 8010/8020; 601/602

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602	Special Instructions
BH-1-102-10	S	VOA	1	11/10 0922	4°/MeOH	X		
BH-1-102-20	S		1	11/10 0934		X		
BH-1-102-30 MGC 11/10/97	S		1	11/10 0952		X		
BH-1-102-45 MGC 11/10/97	S		1	11/10 1017		X		
BH-1-102-50	S		1	11/10 1024		X		
BH-1-102-50FB	M		1	11/10 1024		X		FIELD BLANK
BH-1-102-60	S		1	11/10 1047		X		
BH-1-102-70	S		1	11/10 11:11		X		
TRIP BLANK			2		4°/HCL		X	TRIP BLANK

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	10NOV97/11:28	T. Mahuson	10NOV97 11:28
T. Mahuson	10NOV97/1200		
		Received in Lab by:	11/10/97 1200

Turnaround Time: (check)
same day X
24 hours ___
48 hours ___
72 hours ___
5 days ___
normal X

Sample Integrity: (Check)
intact X
on ice X

Note: Sample(s) will be disposed of after 30 days.

N386-120

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HSI Geo Trans, Inc.
65 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00414

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 10-17, 1997
Analyzed: Nov 12-17, 1997
Reported: Nov 14-18, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00414	BH-1-102-80	Soil	8010/8020
PGK00415	BH-1-102-85	Soil	8010/8020
PGK00416	BH-1-102-85RB	Water	601/602
PGK00417	BH-1-103-10	Soil	8010/8020
PGK00418	BH-1-103-20	Soil	8010/8020
PGK00419	Trip Blank	Water	601/602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Celebrating 10 years of service 1987-1997

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-102-80
Lab Number: PGK00414

Sampled: Nov 10, 19
Received: Nov 10, 19
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 14, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**270**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	86%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-102-85
Lab Number: PGK00415

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 14, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**480**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	88%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
[illegible]665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-103-10
Lab Number: PGK00417

Sampled: Nov 10, 19[illegible]
Received: Nov 10, 19[illegible]
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 14, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
[illegible]s-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**51**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	87%
aaa-Trifluorotoluene(80-120).....	100%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-103-20
Lab Number: PGK00418

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 14, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene**	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.
****Estimated concentrations present below reporting limit at 35 µg/Kg.**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)	87%
aaa-Trifluorotoluene(80-120)	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Water, BH-1-102-85RB
Lab Number: PGK00416

Sampled: Nov 10, 19
Received: Nov 10, 19
Extracted: Nov 17, 1997
Analyzed: Nov 17, 1997
Reported: Nov 18, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	91%
aaa-Trifluorotoluene(80-120).....	103%

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HSI Geo Trans, Inc.
.665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Water, Trip Blank
Lab Number: PGK00419

Sampled: Nov 10, 1997
Received: Nov 10, 1997
Extracted: Nov 17, 1997
Analyzed: Nov 17, 1997
Reported: Nov 18, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1-Dichloroethene	0.50	N.D.
s-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	104%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 12, 199
Analyzed: Nov 12, 199
Reported: Nov 14, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	87%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 17, 1997
Analyzed: Nov 17, 1997
Reported: Nov 18, 1997
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	104%

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/12/97

Sample #: PGK00438

Batch #: GK137B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
zene	0	50	43	45	86	90	4.1	88	< 30	39 - 150
roform	0	50	61	59	121	117	3.4	119	< 30	49 - 133
Dichloroethane	0	50	48	52	96	104	8.7	100	< 30	47 - 132
oroethane	0	50	45	47	90	93	3.4	92	< 30	51 - 147
Dichloroethene	0	50	47	47	95	93	1.6	94	< 30	28 - 167
chloroethene	0.21	50	53	55	106	110	3.7	108	< 30	26 - 162
ene	8.8	50	49	50	80	83	3.1	82	< 30	46 - 148
loroethene	12	50	66	66	109	109	0.024	109	< 30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by EPA Method 8021

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 11/17/97

Sample #: PGK00416

Batch #: GK177B1W

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
enzene	0	5.0	4.8	4.9	97	97	0.65	97	<30	39 - 150
hloroform	0	5.0	5.4	5.4	108	108	0.036	108	<30	49 - 133
chloroethane	0	5.0	5.1	5.2	102	103	1.0	103	<30	47 - 132
ichloroethane	0	5.0	5.2	5.2	103	104	0.93	104	<30	51 - 147
1-Dichloroethene	0	5.0	4.7	4.7	94	94	0.27	94	<30	28 - 167
etrachloroethene	0	5.0	5.3	5.5	106	111	4.6	108	<30	26 - 162
oluene	0.41	5.0	5.2	5.2	96	96	0.37	96	<30	46 - 148
ichloroethene	0.011	5.0	5.0	5.2	100	103	2.7	102	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
ceptance Limits..... Determined by EPA Method 601/602

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CHAIN OF CUSTODY FORM

Client Name/Address: HSI GEOTRANS

Project/PO Number: N386-120

Project Manager/Phone Number: STEVE SMITH 839-2800

Sampler: MATT CONWAY

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602								Special Instructions
B11.1.102-80	S	VOA	1	11/10/97 11:41	4°C Methanol	X									
B11.1.102-85	S		1	11/10/97 11:54	4°C HCL	X	~~X~~	MEC	INCORRECT CODE 11/10/97						
B11.1.102-85RB	W		2	11/10/97 1200	4°C Meth	~~X~~	X	MEC	INCORRECT CODE 11/10/97						Rinse Blank
B11.1.103-10	S		1	11/10/97 1400	" "	X									
B11.1.103-20	S		1	11/10/97 1410	" "	X									
TRIP BLANK	W		2		4°C HCL		X								TRIP BLANK

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	10NOV97 / 14:23	D. Richardson	11/10/97 1423
D. Richardson	11/10/97 1450		

Turnaround Time (check): same day X; 24 hours ___; 48 hours ___; 72 hours ___; 5 days ___; normal X

Sample Integrity: (Check) intact X; on ice X

Received in Lab by: Kellie Murrard 11-10-97 250

Note: Sample(s) will be disposed of after 30 days.

N386-120

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ISI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00435

Sampled: Nov 10-11, 1997
Received: Nov 11, 1997
Extracted: Nov 10-17, 1997
Analyzed: Nov 12-17, 1997
Reported: Nov 17-18, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00435	BH-1-103-30	Soil	8010/8020
PGK00436	BH-1-103-40	Soil	8010/8020
PGK00437	BH-1-103-40FB	Soil	8010/8020
PGK00438	BH-1-103-50	Soil	8010/8020
PGK00439	BH-1-103-60	Soil	8010/8020
PGK00440	BH-1-103-70	Soil	8010/8020
PGK00441	BH-1-103-80	Soil	8010/8020
PGK00442	BH-1-103-85	Soil	8010/8020
PGK00443	BH-1-103-85RB	Water	601/602
PGK00444	Trip Blank	Water	601/602

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

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DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-103-30
Lab Number: PGK00435

Sampled: Nov 10, 19
Received: Nov 11, 19
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 17, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**81**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	90%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-103-40
Lab Number: PGK00436

Sampled: Nov 10, 1997
Received: Nov 11, 1997
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 17, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene**	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.
****Estimated concentrations present below reporting limit at 15 µg/Kg.**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	88%
aaa-Trifluorotoluene(80-120).....	99%

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-103-40FB
Lab Number: PGK00437

Sampled: Nov 10, 19[illegible]
Received: Nov 11, 19[illegible]
Extracted: Nov 10, 1997
Analyzed: Nov 13, 1997
Reported: Nov 17, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

J. Matsumoto
Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	91%
aaa-Trifluorotoluene(80-120).....	100%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-103-50
Lab Number: PGK00438

Sampled: Nov 10, 1997
Received: Nov 11, 1997
Extracted: Nov 10, 1997
Analyzed: Nov 12, 1997
Reported: Nov 17, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1-Dichloroethene	50	N.D.
s-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	91%
aaa-Trifluorotoluene(80-120).....	99%

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-103-60
Lab Number: PGK00439

Sampled: Nov 11, 19
Received: Nov 11, 199
Extracted: Nov 11, 1997
Analyzed: Nov 12, 1997
Reported: Nov 17, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	89%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-103-70
Lab Number: PGK00440

Sampled: Nov 11, 1997
Received: Nov 11, 1997
Extracted: Nov 11, 1997
Analyzed: Nov 12, 1997
Reported: Nov 17, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**220**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	88%
aaa-Trifluorotoluene(80-120).....	101%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil, BH-1-103-80
Lab Number: PGK00441

Sampled: Nov 11, 19
Received: Nov 11, 19
Extracted: Nov 11, 1997
Analyzed: Nov 12, 1997
Reported: Nov 17, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**120**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	91%
aaa-Trifluorotoluene(80-120).....	101%

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SI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil, BH-1-103-85
Lab Number: PGK00442

Sampled: Nov 11, 1997
Received: Nov 11, 1997
Extracted: Nov 11, 1997
Analyzed: Nov 12, 1997
Reported: Nov 17, 1997

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	**50**	**110**
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	89%
aaa-Trifluorotoluene(80-120).....	99%

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Water, BH-1-103-85RB
Lab Number: PGK00443

Sampled: Nov 11, 19
Received: Nov 11, 199
Extracted: Nov 17, 1997
Analyzed: Nov 17, 1997
Reported: Nov 18, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Celebrating 10 years of service 1987-1997

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	96%
aaa-Trifluorotoluene(80-120).....	105%

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Water, Trip Blank
Lab Number: PGK00444

Sampled: Nov 11, 1997
Received: Nov 11, 1997
Extracted: Nov 17, 1997
Analyzed: Nov 17, 1997
Reported: Nov 18, 1997

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
2-Chloroethlvinyl ether	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Surrogate Standard Recoveries (Accept. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	97%
aaa-Trifluorotoluene(80-120).....	105%

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 12, 19
Analyzed: Nov 12, 19
Reported: Nov 17, 1997
Matrix: Soil

HALOCARBONS AND AROMATIC VOLATILES (EPA 8010/8020)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	50	N.D.
Benzene	50	N.D.
Ethylbenzene	100	N.D.
Toluene	100	N.D.
Total Xylenes	150	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	87%
aaa-Trifluorotoluene(80-120).....	100%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Method Blank

Extracted: Nov 17, 1997
Analyzed: Nov 17, 1997
Reported: Nov 18, 1997
Matrix: Water

PURGEABLE HALOCARBONS AND AROMATICS (EPA 601/602)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	2.5	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.
Benzene	0.50	N.D.
Ethylbenzene	0.50	N.D.
Toluene	0.50	N.D.
Total Xylenes	1.5	N.D.

* PID/ELCD were used in series for this analysis.

Analytes reported as N.D. were not present at or above the reporting limit.

Celebrating 10 years of service 1987-1997

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Surrogate Standard Recoveries (Accpet. Limits):	
1-Chloro-3-fluorobenzene(80-120)..	93%
aaa-Trifluorotoluene(80-120).....	104%

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MS/MSD DATA REPORT

EPA Method 8021

Matrix: Soil

Date: 11/12/97

Sample #: PGK00438

Batch #: GK137B1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
nzene	0	50	43	45	86	90	4.1	88	<30	39 - 150
roform	0	50	61	59	121	117	3.4	119	<30	49 - 133
-Dichloroethane	0	50	48	52	96	104	8.7	100	<30	47 - 132
oroethane	0	50	45	47	90	93	3.4	92	<30	51 - 147
-Dichloroethene	0	50	47	47	95	93	1.6	94	<30	28 - 167
achloroethene	0.21	50	53	55	106	110	3.7	108	<30	26 - 162
uene	8.8	50	49	50	80	83	3.1	82	<30	46 - 148
loroethene	12	50	66	66	109	109	0.024	109	<30	35 - 146

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by EPA Method 8021

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MS/MSD DATA REPORT

EPA Method 601/602

Matrix: Water

Date: 11/17/97

Sample #: PGK00416

Batch #: GK177B1W

Analyte	R1 ppb	Sp ppb	MS ppb	MSD ppb	PR1 %	PR2 %	RPD %	Mean PR %	Acceptance Limits RPD	Acceptance Limits Mean PR
enzene	0	5.0	4.8	4.9	97	97	0.65	97	<30	39 - 150
hloroform	0	5.0	5.4	5.4	108	108	0.036	108	<30	49 - 133
1 hloroethane	0	5.0	5.1	5.2	102	103	1.0	103	<30	47 - 132
chloroethane	0	5.0	5.2	5.2	103	104	0.93	104	<30	51 - 147
1-Dichloroethene	0	5.0	4.7	4.7	94	94	0.27	94	<30	28 - 167
trachloroethene	0	5.0	5.3	5.5	106	111	4.6	108	<30	26 - 162
oluene	0.41	5.0	5.2	5.2	96	96	0.37	96	<30	46 - 148
ichloroethene	0.011	5.0	5.0	5.2	100	103	2.7	102	<30	35 - 146

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
ceptance Limits..... Determined by EPA Method 601/602

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CHAIN OF CUSTODY FORM

Client Name/Address: HSI GEOTRANS

Project/PO Number: N386-120

Project Manager/Phone Number: Steve Smith 831-2800

Sampler: Matt Conway

Analysis Required: 8010/8020; 601/602

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	8010/8020	601/602								Special Instructions
BH-1-103-30	S	VOA	1	11/10/97 1426	4°C Methanol	X									
BH-1-103-40	S	VOA	1	11/10/97 14:39	4°C Methanol	X									
BH-1-103-40FB	M	VOA	1	11/10/97 14:39	4°C Methanol	X									FIELD BLANK
BH-1-103-50	S	VOA	1	11/10/97 15:13	4°C Methanol	X									
BH-1-103-50MS	S	VOA	1	11/10/97 15:13	" "	X									Matrix Spike
BH-1-103-50MSD	S	VOA	1	11/10/97 15:13	" "	X									Matrix Spike Du
BH-1-103-60	S	VOA	1	11/11/97 0838	" "	X									-
BH-1-103-70	S	VOA	1	11/11/97 0847	" "	X									
BH-1-103-80	S	VOA	1	11/11/97 0917	" "	X									
BH-1-103-85	S	VOA	1	11/11/97 0927	" "	X									
BH-1-103-85RB	W	VOA	2	11/11/97 1030	4°C HCL		X								RINSE BLANK
TRIP BLANK	W	VOA	2		4°C HCL		X								TRIP BLANK
	45														

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	11NOV97 / 13:25		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: Kellei Minyard	Date /Time: 11-11-95 1:25

Turnaround Time: (check)
same day X
24 hours ____
48 hours ____
72 hours ____
5 days ____
normal X

Sample Integrity: (Check)
intact ✓
on ice ✓

Note: Sample(s) will be disposed of after 30 days.

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00751

Sampled: Nov 7-11, 1997
Received: Nov 19, 1997
Extracted: 11/20-12/5, 1997
Analyzed: 11/20-12/5, 1997
Reported: 11/21-12/9, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00751	BH-1-101-10	Soil	160.3 & 415.1 Mod.
PGK00752	BH-1-101-20	Soil	160.3 & 415.1 Mod.
PGK00753	BH-1-101-30	Soil	160.3 & 415.1 Mod.
PGK00754	BH-1-101-40	Soil	160.3 & 415.1 Mod.
PGK00755	BH-1-101-50	Soil	160.3 & 415.1 Mod.
PGK00756	BH-1-101-60	Soil	160.3 & 415.1 Mod.
PGK00757	BH-1-101-70	Soil	160.3 & 415.1 Mod.
PGK00758	BH-1-101-80	Soil	160.3 & 415.1 Mod.
PGK00759	BH-1-101-85	Soil	160.3 & 415.1 Mod.
PGK00760	BH-1-102-10	Soil	160.3 & 415.1 Mod.

SAMPLE RECEIPT: Samples were received intact and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: The percent recoveries for EPA 415.1 Modified for Total Organic Carbon Matrix Spike and Matrix Spike Duplicate were outside acceptance limits. See Corrective Action Report for batch validation.
All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00761

Sampled: Nov 7-11, 1997
Received: Nov 19, 1997
Extracted: 11/20-12/5, 1997
Analyzed: 11/20-12/5, 1997
Reported: 11/21-12/9, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00761	BH-1-102-20	Soil	160.3 & 415.1 Mod.
PGK00762	BH-1-102-30	Soil	160.3 & 415.1 Mod.
PGK00763	BH-1-102-45	Soil	160.3 & 415.1 Mod.
PGK00764	BH-1-102-50	Soil	160.3 & 415.1 Mod.
PGK00765	BH-1-102-60	Soil	160.3 & 415.1 Mod.
PGK00766	BH-1-102-70	Soil	160.3 & 415.1 Mod.
PGK00767	BH-1-102-80	Soil	160.3 & 415.1 Mod.
PGK00768	BH-1-102-85	Soil	160.3 & 415.1 Mod.
PGK00769	BH-1-103-10	Soil	160.3 & 415.1 Mod.
PGK00770	BH-1-103-20	Soil	160.3 & 415.1 Mod.

SAMPLE RECEIPT: Samples were received intact and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
4665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Report Number: PGK00771

Sampled: Nov 7-11, 1
Received: Nov 19, 19
Extracted: 11/20-12/5, 1997
Analyzed: 11/20-12/5, 1997
Reported: 11/21-12/9, 1997

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	EPA ANALYSES
PGK00771	BH-1-103-30	Soil	160.3 & 415.1 Mod.
PGK00772	BH-1-103-40	Soil	160.3 & 415.1 Mod.
PGK00773	BH-1-103-50	Soil	160.3 & 415.1 Mod.
PGK00774	BH-1-103-60	Soil	160.3 & 415.1 Mod.
PGK00775	BH-1-103-70	Soil	160.3 & 415.1 Mod.
PGK00776	BH-1-103-80	Soil	160.3 & 415.1 Mod.
PGK00777	BH-1-103-85	Soil	160.3 & 415.1 Mod.

SAMPLE RECEIPT: Samples were received intact and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: All QA/QC met acceptance criteria.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil
First Sample #: PGK00751

Sampled: Nov 7, 1997
Received: Nov 19, 1997
Extracted: Nov 20, 1997
Analyzed: Nov 20, 1997
Reported: Nov 21, 1997

TOTAL SOLIDS & MOISTURE CONTENT (EPA 160.3)

Laboratory Number	Sample Description	Moisture Content (%)	Total Solids (%)
PGK00751	BH-1-101-10	13	87
PGK00752	BH-1-101-20	16	84
PGK00753	BH-1-101-30	13	87
PGK00754	BH-1-101-40	3.0	97
PGK00755	BH-1-101-50	4.0	96
PGK00756	BH-1-101-60	5.0	95
PGK00757	BH-1-101-70	21	79
PGK00758	BH-1-101-80	23	77
PGK00759	BH-1-101-85	9.0	91

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil
First Sample #: PGK00760

Sampled: Nov 10, 19
Received: Nov 19, 199
Extracted: Nov 20, 1997
Analyzed: Nov 20, 1997
Reported: Nov 21, 1997

TOTAL SOLIDS & MOISTURE CONTENT (EPA 160.3)

Laboratory Number	Sample Description	Moisture Content (%)	Total Solids (%)
PGK00760	BH-1-102-10	16	84
PGK00761	BH-1-102-20	11	89
PGK00762	BH-1-102-30	11	89
PGK00763	BH-1-102-45	11	89
PGK00764	BH-1-102-50	4.0	96
PGK00765	BH-1-102-60	5.0	95
PGK00766	BH-1-102-70	16	84
PGK00767	BH-1-102-80	11	89
PGK00768	BH-1-102-85	13	87
PGK00769	BH-1-103-10	18	82

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

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Project Manager

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'SI Geo Trans, Inc.
65 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil
First Sample #: PGK00770

Sampled: Nov 10, 1997
Received: Nov 19, 1997
Extracted: Nov 20, 1997
Analyzed: Nov 20, 1997
Reported: Nov 21, 1997

TOTAL SOLIDS & MOISTURE CONTENT (EPA 160.3)

Laboratory Number	Sample Description	Moisture Content (%)	Total Solids (%)
PGK00770	BH-1-103-20	13	87
PGK00771	BH-1-103-30	13	87
PGK00772	BH-1-103-40	5.0	95
PGK00773	BH-1-103-50	5.0	95

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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HSI Geo Trans, Inc.
565 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil
First Sample #: PGK00774

Sampled: Nov 11, 19
Received: Nov 19, 19
Extracted: Nov 20, 1997
Analyzed: Nov 20, 1997
Reported: Nov 21, 1997

TOTAL SOLIDS & MOISTURE CONTENT (EPA 160.3)

Laboratory Number	Sample Description	Moisture Content (%)	Total Solids (%)
PGK00774	BH-1-103-60	7.0	93
PGK00775	BH-1-103-70	18	82
PGK00776	BH-1-103-80	14	86
PGK00777	BH-1-103-85	20	80

Analytes reported as N.D. were not present at or above the reporting limit.

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Project Manager

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'SI Geo Trans, Inc.
.665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil
First Sample #: PGK00751

Sampled: Nov 7, 1997
Received: Nov 19, 1997
Extracted: Dec 3-5, 1997
Analyzed: Dec 3-5, 1997
Reported: Dec 9, 1997

TOTAL ORGANIC CARBON (EPA 415.1 Modified)

Laboratory Number	Sample Description	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
PGK00751	BH-1-101-10	5,000	N.D.
PGK00752	BH-1-101-20	5,000	N.D.
PGK00753	BH-1-101-30	5,000	N.D.
PGK00754	BH-1-101-40	5,000	N.D.
PGK00755	BH-1-101-50	5,000	N.D.
PGK00756	BH-1-101-60	5,000	N.D.
PGK00757	BH-1-101-70	5,000	N.D.
PGK00758	BH-1-101-80	5,000	N.D.
PGK00759	BH-1-101-85	5,000	N.D.

Analysis completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120
Sample Descript: Soil
First Sample #: PGK00760

Sampled: Nov 10, 19
Received: Nov 19, 199
Extracted: Dec 5, 1997
Analyzed: Dec 5, 1997
Reported: Dec 9, 1997

TOTAL ORGANIC CARBON (EPA 415.1 Modified)

Laboratory Number	Sample Description	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
PGK00760	BH-1-102-10	5,000	N.D.
PGK00761	BH-1-102-20	5,000	N.D.
PGK00762	BH-1-102-30	5,000	N.D.
PGK00763	BH-1-102-45	5,000	N.D.
PGK00764	BH-1-102-50	5,000	N.D.
PGK00765	BH-1-102-60	5,000	N.D.
PGK00766	BH-1-102-70	5,000	N.D.
PGK00767	BH-1-102-80	5,000	N.D.
PGK00768	BH-1-102-85	5,000	N.D.
PGK00769	BH-1-103-10	5,000	N.D.

Analysis completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
365 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil
First Sample #: PGK00770

Sampled: Nov 10, 1997
Received: Nov 19, 1997
Extracted: Dec 5, 1997
Analyzed: Dec 5, 1997
Reported: Dec 9, 1997

TOTAL ORGANIC CARBON (EPA 415.1 Modified)

Laboratory Number	Sample Description	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
PGK00770	BH-1-103-20	5,000	N.D.
PGK00771	BH-1-103-30	5,000	N.D.
PGK00772	BH-1-103-40	5,000	N.D.
PGK00773	BH-1-103-50	5,000	N.D.

Analysis completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

Jeff Matsumoto
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
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2465 W. 12th St. Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

HSI Geo Trans, Inc.
665 South Ash Ave., Ste. G-1
Tempe, AZ 85282
Attention: Steve Smith

Client Project ID: N386-120

Sample Descript: Soil
First Sample #: PGK00774

Sampled: Nov 11, 19
Received: Nov 19, 19
Extracted: Dec 5, 1997
Analyzed: Dec 5, 1997
Reported: Dec 9, 1997

TOTAL ORGANIC CARBON (EPA 415.1 Modified)

Laboratory Number	Sample Description	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
PGK00774	BH-1-103-60	5,000	N.D.
PGK00775	BH-1-103-70	5,000	N.D.
PGK00776	BH-1-103-80	5,000	N.D.
PGK00777	BH-1-103-85	5,000	N.D.

Analysis completed at Del Mar Analytical-IRVINE (AZ0428)

Analytes reported as N.D. were not present at or above the reporting limit.

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CORRECTIVE ACTION REPORT

Department: Wet Chemistry
Date: 12/3/97

EPA Method: 415.1 modified
Matrix: Soil

Identification and Definition of Problem:

The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries for TOC were below the acceptance limits for sample PGK00759.

Determination of the Cause of the Problem:

The MS/MSD recoveries were outside of acceptance limits due to sample matrix effects.

Corrective Action:

The batch was validated based on the Laboratory Control Sample (LCS) and method blank which were within acceptance limits. No further corrective action was taken.

Jeff Matsumoto: _____ Date: 12/15/97
Project Manager

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MS/MSD DATA REPORT

EPA METHOD: 415.1
Matrix : Soil

DATE: 12/3/97

Analyte	Sp (ppm)	MS (ppm)	PR (%)
Total Organic Carbon	1250	840	67%*

	Sp (ppm)	MSD (ppm)	PR (%)
	2500	1730	69%*

*QC out of acceptance limits, see LCS for batch validation

Definition of Terms:

Sp . . . . . Spike Conentration Added to Sample

MS . . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

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LABORATORY CONTROL SAMPLE

EPA METHOD: 415.1

DATE: 12/3/97

Analyte	St	R1	PR
	ppm	ppm	%
Total Organic Carbon	750	820	109%

Definition of Terms:

St. . . . . Standard Concentration

R1. . . . . Standard Result

PR. . . . . Percent Recovery of R1; (R1/St) X 100

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MS/MSD DATA REPORT

EPA METHOD: 415.1 Modified
Matrix: Soil

DATE: 12/5/97

SAMPLE # GK03618

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	µg C	µg C	µg C	µg C	%	%	%	%
Total Organic Carbon	0	2500	2150	2020	86%	81%	6.2%	83%

Definition of Terms:

. . . . . Result of Sample Analysis

Sp. . . . . Spike Concentration Added to Sample

MS. . . . . Matrix Spike Result

MSD. . . . . Matrix Spike Duplicate Result

PR1. . . . . Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2. . . . . Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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QA/QC CRITERIA: All QA/QC was within acceptance limits.

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CHAIN OF CUSTODY FORM

Client Name/Address: HSI GEOTRANS, 4665 S. Ash Avenue Suite G-1, Tempe, AZ 85282

Project/PO Number: N386-120

Project Manager/Phone Number: Steve Smith 839-2800

Sampler: MATTHEW CONWAY

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Total Organic Carbon	Percent Moisture								Special Instructions
B11.1.101.10	S	poly bag	1	11/7/97 0951		X	X								
B11.1.101.20	S			11/7/97 0910		X	X								
B11.1.101.30	S			11/7/97 0935		X	X								
B11.1.101.40	S			11/7/97 10:01		X	X								
B11.1.101.50	S			11/7/97 10:26		X	X								
B11.1.101.60	S			11/7/97 11:00		X	X								
B11.1.101.70	S			11/7/97 11:40		X	X								
B11.1.101.80	S			11/7/97		X	X								
B11.1.101.85	S			11/7/97 12:19		X	X								
B11.1.102.10	S			11/10/97 0922		X	X								
B11.1.102.20	S			11/10/97 0934		X	X								
B11.1.102.30	S			11/10/97 0957		X	X								
B11.1.102.45	S			11/10/97 11:17		X	X								
B11.1.102.50	S			11/10/97 12:34		X	X								

NOTE:
1. Return all samples to HSI GEOTRANS
2. Make sure that moisture on inside of lids is accounted for in calculation
3. Any questions, Ask Jeff

Relinquished By:	Date /Time:	Received by:	Date /Time:
Matthew Conway	19 NOV 97 / 10:50		
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time: 11/19/97 1050

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact x on ice ✓

Note: Sample(s) [illegible]e disposed of after 30 days.

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CHAIN OF CUSTODY FORM

Client Name/Address: HSI GEOTRANS

Project/PO Number: N3860-120

Project Manager/Phone Number: Steve Smith

Sampler: Matthew Conway

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Total Organic Carbon	Percent Moisture								Special Instructions
BH-1-102.60	S	poly bag	1	11/10/97 10:47		X	X								
BH-1-102.70				11/10/97 11:16		X	X								
BH-1-102.80				11/10/97 11:44		X	X								
BH-1-102.85				11/10/97 11:54		X	X								
BH-1-103.10				11/10/97 14:00		X	X								
BH-1-103.20				11/10/97 14:10		X	X								
BH-1-103.30				11/10/97 14:26		X	X								
BH-1-103.40				11/10/97 14:39		X	X								
BH-1-103.50				11/10/97 15:13		X	X								
BH-1-103.60				11/11/97 0828		X	X								
BH-1-103.70				11/11/97 0847		X	X								
BH-1-103.80				11/11/97 0917		X	X								
BH-1-103.85				11/11/97 0927		X	X								

Note:
1. Return all results to HSI
2. Account for moisture on inside of bag in calculation
3. Any questions, Ask Jeff

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time (check)	
Matthew Conway	19NOV97/10:50			same day ~~X~~	72 hours 11/19/97
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours	5 days
				48 hours	normal X
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
			11/19/97 1050	intact X	on ice

Note: Sample(s) will be disposed of after 30 days.