Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

21 July, 2003

Bruce Lewis
Environmental Resources Management
2525 Natomas Park Drive, Suite 350
Sacramento, CA 95833

RE: Aerojet RI/FS
Work Order: P307257

Enclosed are the results of analyses for samples received by the laboratory on 07/15/03 11:08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari For Mark Shipman
Project Manager

CA ELAP Certificate #2374

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Environmental Resources Management	Project:	Aerojet RI/FS	P307257
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	07/21/03 15:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
11D-SNS10	P307257-13	Soil	07/14/03 12:55	07/15/03 11:08
10D-SNS24	P307257-15	Soil	07/14/03 13:15	07/15/03 11:08

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Environmental Resources Management	Project:	Aerojet RI/FS	P307257
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	07/21/03 15:58

Polychlorinated Biphenyls by EPA Method 8082

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
11D-SNS10 (P307257-13) Soil Sampled: 07/14/03 12:55 Received: 07/15/03 11:08									**C-01, C-06**
PCB-1016	ND	33	ug/kg	1	3070322	07/17/03	07/17/03	EPA 8082	
PCB-1221	ND	33	"	"	"	"	"	"	
PCB-1232	ND	33	"	"	"	"	"	"	
PCB-1242	ND	33	"	"	"	"	"	"	
PCB-1248	ND	33	"	"	"	"	"	"	
PCB-1254	ND	33	"	"	"	"	"	"	
PCB-1260	**150**	33	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*55 %*	*46-115*		*"*	*"*	*07/17/03*	*"*	
10D-SNS24 (P307257-15) Soil Sampled: 07/14/03 13:15 Received: 07/15/03 11:08									**C-01, C-06**
PCB-1016	ND	33	ug/kg	1	3070322	07/17/03	07/17/03	EPA 8082	
PCB-1221	ND	33	"	"	"	"	"	"	
PCB-1232	ND	33	"	"	"	"	"	"	
PCB-1242	ND	33	"	"	"	"	"	"	
PCB-1248	ND	33	"	"	"	"	"	"	
PCB-1254	ND	33	"	"	"	"	"	"	
PCB-1260	**290**	33	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*52 %*	*46-115*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Environmental Resources Management	Project: Aerojet RI/FS	P307257
2525 Natomas Park Drive, Suite 350	Project Number: N/A	**Reported:**
Sacramento CA, 95833	Project Manager: Bruce Lewis	07/21/03 15:58

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3070322 - EPA 3550A										
Blank (3070322-BLK1)				Prepared & Analyzed: 07/17/03						**C-01, C-06**
PCB-1016	ND	33	ug/kg							
PCB-1221	ND	33	"							
PCB-1232	ND	33	"							
PCB-1242	ND	33	"							
PCB-1248	ND	33	"							
PCB-1254	ND	33	"							
PCB-1260	ND	33	"							
Surrogate: Decachlorobiphenyl	*55.6*		*"*	*66.7*		*83*	*46-115*			
Laboratory Control Sample (3070322-BS1)				Prepared & Analyzed: 07/17/03						**C-01, C-06**
PCB-1016	295	33	ug/kg	333		89	57-115			
PCB-1260	278	33	"	333		83	71-120			
Surrogate: Decachlorobiphenyl	*47.5*		*"*	*66.7*		*71*	*46-115*			
Laboratory Control Sample Dup (3070322-BSD1)				Prepared & Analyzed: 07/17/03						**C-01, C-06**
PCB-1016	248	33	ug/kg	333		74	57-115	17	35	
PCB-1260	297	33	"	333		89	71-120	7	35	
Surrogate: Decachlorobiphenyl	*56.0*		*"*	*66.7*		*84*	*46-115*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Environmental Resources Management	Project:	Aerojet RI/FS	P307257
2525 Natomas Park Drive, Suite 350	Project Number:	N/A	**Reported:**
Sacramento CA, 95833	Project Manager:	Bruce Lewis	07/21/03 15:58

Notes and Definitions

C-01	To reduce matrix interference, the sample extract has undergone sulfuric acid clean-up, method 3665, which is specific to hydrocarbon contamination.
C-06	To reduce matrix interference, the sample extract has undergone TBA (sulfur) clean-up, method 3660B.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

GENCORP AEROJET

Chain of Custody Record

№ 1096

E.T.R. NO:	WORK ORDER NO:
SOURCE SITE NO:	AUGER HOLE NO:
SAMPLERS (SIGNATURE)	

REQUESTED SAMPLE ANALYSES

COC SAMPLE ID	FIELD SAMPLE NO.	DEPTH (FT.)	DATE MM/DD/YY	TIME	TYPE OF CONTAINER	# OF SAMPLE CONTAINERS	SOIL TYPE (USCS CODE)	VOLATILE ORGANICS EPA 8240	~~BNA's~~ SVOCS EPA 8270	METALS EPA 6010	PERCHLORATE EDL-SW-006	LEAD (~~7424~~ 7421/PBS)	Cr+6 (6010)	8280 (PCBS)	THALLIUM		LABORATORY QA/QC	REMARKS
1096 A	C32-SNS01	0.5	7/14/03	0905	2X3 BRASS	2			X	X				P3	07	25	1	
1096 B	C32-SNS02	0.5	7/14/03	0920	"	2			X	X							2	
1096 C	D(e)-SNS03	0.5	7/14/03	0940	"	1						X					3	
1096 D	D(e)SNS02	0.5	7/14/03	0950	"	1						X					4	
1096 E	D(e)SNS04	0.5	7/14/03	0955	"	1						X					5	
1096 F	D(e)SNS05	0.5	7/14/03	1005	"	1						X					6	
1096 G	11D-SNS09	0.5	7/14/03	1045	"	2				X			X				7	0.5' SAMPLE
1096 H	11D-SNS09	2.0	7/14/03	1110	"	2				X			X				8	2.0' SAMPLE
1096 I	11D-SNS08	0.5	7/14/03	1050	"	2				X			X				9	0.5' SAMPLE
1096 J	11D-SNS08	2.0	7/14/03	1105	"	2				X			X				10	2.0' SAMPLE
1096 K	11D-SNS06 1.5	~~2.0~~	7/14/03	1215	"	2				X			X				11	REFUSAL @ 1.5' BGS.
1096 L	11D-SNS05	1.5	7/14/03	1230	"	2				X			X				12	
1096 M	11D-SNS10	0.5'	7/14/03	1255	"	1								X			13	72 HOUR TAT ON THIS SAM
1096 N	11D-SNS11	0.5	7/14/03	1300	"	1								X			14	
1096 O	10D-SNS24	0.5	7/14/03	1315	"	1				X			X	X	X		15	72 HOUR TAT ON THIS SAM (PCBS ONLY)
1096 P	10D-SNS25	0.5	7/14/03	1320	"	2				X			X				16	
1096 Q	10D-SNS26	0.5	7/14/03	1330	"	2				X			X				17	
TOTALS																	~~18~~	

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLE CONTAINERS:
[signature]	7/15/03 1108	Monica Gegeben SEQ SAC 7/15/03 1108	27
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	METHOD OF SHIPMENT:
Monica Gegeben / SEQ SAC	7/15/03	[signature] 7-15 1230	HAND
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY LABORATORY BY: (SIGNATURE)	LABORATORY DELIVERED TO:
[signature]	7-15	[signature] 7/15/03 @ 1720	SEQUOIA ANALYTICAL

COMMENTS:

ORIGINAL – ENVIRONMENTAL OPERATIONS: *WHITE* 2ND COPY – LABORATORY: *YELLOW* 3RD COPY – SAMPLER: *PINK*

7.67.35 v. 4

GENCORP AEROJET

Chain of Custody Record

№ 1097

E.T.R. NO:

WORK ORDER NO:

SOURCE SITE NO:

AUGER HOLE NO:

SAMPLERS *(SIGNATURE)*

REQUESTED SAMPLE ANALYSES

COC SAMPLE ID	FIELD SAMPLE NO.	DEPTH (FT.)	DATE MM/DD/YY	TIME	TYPE OF CONTAINER	# OF SAMPLE CONTAINERS	SOIL TYPE (USCS CODE)	VOLATILE ORGANICS *EPA 8240*	BNA's *EPA 8270*	METALS *EPA 6010*	PERCHLORATE *EDL-SW-006*	Cr6 (6010)					LABORATORY QA/QC	REMARKS
1097 A	10D-SNS27	0.5	7/14/03	1340	2x3 GLASS	2				X		X	P307257-				18	
1097 B	10D-SNS28	0.5	7/14/03	1350	"	2				X		X					19	
1097 C	5D-SNS09	0.5	7/15/03	09:00	"	2				X		X					20	
1097 D	5D-SNS08	0.5	7/15/03	09:20	"	2				X		X					21	
1097 E	5D-SNS07	0.5	7/15/03	09:35	"	2				X		X					22	
1097 F			/ /															
1097 G			/ /															
1097 H			/ /															
1097 I			/ /															
1097 J			/ /															
1097 K			/ /															
1097 L			/ /															
1097 M			/ /															
1097 N			/ /															
1097 O			/ /															
1097 P			/ /															
1097 Q			/ /															
TOTALS											SeqSAC						Rcvd 12.3°C	

COOLER CUSTODY SEALS INTACT ☐

NOT INTACT ☐

COOLER TEMPERATURE 4.3

RELINQUISHED BY: *(SIGNATURE)*	DATE/TIME	RECEIVED BY: *(SIGNATURE)*	TOTAL NO. OF SAMPLE CONTAINERS:
[signature]	7/15/03 1108	Monica Geggen 7/15/03 1108	10
RELINQUISHED BY: *(SIGNATURE)*	DATE/TIME	RECEIVED BY: *(SIGNATURE)*	METHOD OF SHIPMENT:
Monica Geggen / SeqSAC	7/15/03	[signature] 7-15 1230	Hand
RELINQUISHED BY: *(SIGNATURE)*	DATE/TIME	RECEIVED BY LABORATORY BY: *(SIGNATURE)*	LABORATORY DELIVERED TO:
[signature]	7-15	[signature] 7/15/03 @1720	SEQUOIA ANALYTICAL

COMMENTS:

ORIGINAL – ENVIRONMENTAL OPERATIONS: *WHITE* 2ND COPY – LABORATORY: *YELLOW* 3RD COPY – SAMPLER: *PINK*

7.67.35 v. 4

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Quiqet
REC. BY (PRINT): SA
WORKORDER: P307257

DATE Received at Lab: 7/15/03
TIME Received at Lab: 1720
LOG IN DATE: 7-16-03

(Drinking water) for regulatory purposes: YES/NO
(Wastewater) for regulatory purposes: YES/NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s) Present / Absent; Intact / Broken*			C32-SNS01	2xMC	S	7/14/03	
2. Chain-of-Custody Present / Absent*			2				
3. Traffic Reports or Packing List: Present / Absent			D(e)-SNS03	1xMC			
4. Airbill: Airbill / Sticker Present / Absent			2				
5. Airbill #:			4				
6. Sample Labels: Present / Absent			5				
7. Sample IDs: Listed / Not Listed on Chain-of-Custody			11D-SNS08@1045	2xMC			
8. Sample Condition: Intact / Broken* / Leaking*			11D				
9. Does information on custody reports, traffic reports and sample labels agree? Yes / No*			08@1050				
10. Sample received within hold time: Yes / No*			1105				
11. Proper Preservatives used: Yes / No*			06				
12. Temp Rec. at Lab: 4.3 (Acceptance range for samples requiring thermal pres.:4+/-2°C) Yes / No*			05				
			10	1xMC			
			11				
			10D-SNS24				
			25				
			26				
			27	2xMC			
			28				
			5D-SNS09			7/15/03	
			8				
			7				
					SA	7/15/03	

*If Circled, contact Project Manager and attach record of resolution.