



25 August, 2003

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

RE: Aerojet RI/FS
Work Order: P308025

Enclosed are the results of analyses for samples received by the laboratory on 07/31/03 14:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari
Project Manager

CA ELAP Certificate #2374

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
37D-SB01-6	P308025-01	Soil	07/30/03 09:52	07/31/03 14:10
36D-SB01-2.5	P308025-02	Soil	07/30/03 12:20	07/31/03 14:10
36D-SB01-5	P308025-03	Soil	07/30/03 12:26	07/31/03 14:10
36D-SB01-11	P308025-04	Soil	07/30/03 12:42	07/31/03 14:10
36D-SB01-15E	P308025-05	Water	07/30/03 12:47	07/31/03 14:10
36D-SB01-15	P308025-06	Soil	07/30/03 13:03	07/31/03 14:10
36D-SB01-20	P308025-07	Soil	07/30/03 13:27	07/31/03 14:10
36D-SB01-25	P308025-08	Soil	07/30/03 13:43	07/31/03 14:10
36D-SB01-30	P308025-09	Soil	07/30/03 14:53	07/31/03 14:10
36D-SB01-35	P308025-10	Soil	07/30/03 15:12	07/31/03 14:10
36D-SB01-40	P308025-11	Soil	07/30/03 15:31	07/31/03 14:10
36D-SB01D-40	P308025-12	Soil	07/30/03 15:31	07/31/03 14:10
36D-SB02-0	P308025-13	Soil	07/31/03 10:09	07/31/03 14:10
36D-SB02-3	P308025-14	Soil	07/31/03 10:23	07/31/03 14:10
36D-SB02-6	P308025-15	Soil	07/31/03 10:35	07/31/03 14:10
36D-SB02-15E	P308025-16	Water	07/31/03 11:04	07/31/03 14:10
36D-SB02-15	P308025-17	Soil	07/31/03 11:18	07/31/03 14:10
36D-SB02-20	P308025-18	Soil	07/31/03 11:35	07/31/03 14:10
36D-SB02-25	P308025-19	Soil	07/31/03 11:52	07/31/03 14:10
36D-SB02-30	P308025-20	Soil	07/31/03 12:13	07/31/03 14:10
36D-SB02-35	P308025-21	Soil	07/31/03 12:45	07/31/03 14:10

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**Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Petaluma**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-0 (P308025-13) Soil Sampled: 07/31/03 10:09 Received: 07/31/03 14:10										
Thallium	0.14		0.095	mg/kg	1	3080063	08/08/03	08/08/03	EPA 6020	
36D-SB02-3 (P308025-14) Soil Sampled: 07/31/03 10:23 Received: 07/31/03 14:10										
Thallium	ND		0.097	mg/kg	1	3080063	08/08/03	08/08/03	EPA 6020	
36D-SB02-6 (P308025-15) Soil Sampled: 07/31/03 10:35 Received: 07/31/03 14:10										
Thallium	ND		0.098	mg/kg	1	3080063	08/08/03	08/08/03	EPA 6020	
36D-SB02-15E (P308025-16) Water Sampled: 07/31/03 11:04 Received: 07/31/03 14:10										
Thallium	ND		2.0	ug/l	1	3080141	08/08/03	08/08/03	EPA 6020	

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Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
37D-SB01-6 (P308025-01) Soil Sampled: 07/30/03 09:52 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/15/03	EPA 8270C	
36D-SB01-2.5 (P308025-02) Soil Sampled: 07/30/03 12:20 Received: 07/31/03 14:10										
Unknown Alkane	2000		1000	ug/kg	2	3080086	08/13/03	08/15/03	EPA 8270C	
36D-SB01-5 (P308025-03) Soil Sampled: 07/30/03 12:26 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB01-11 (P308025-04) Soil Sampled: 07/30/03 12:42 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB01-15E (P308025-05) Water Sampled: 07/30/03 12:47 Received: 07/31/03 14:10										
No TICs found	ND		10	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
36D-SB01-15 (P308025-06) Soil Sampled: 07/30/03 13:03 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB01-20 (P308025-07) Soil Sampled: 07/30/03 13:27 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB01-25 (P308025-08) Soil Sampled: 07/30/03 13:43 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB01-30 (P308025-09) Soil Sampled: 07/30/03 14:53 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	

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Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-35 (P308025-10) Soil Sampled: 07/30/03 15:12 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB01-40 (P308025-11) Soil Sampled: 07/30/03 15:31 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB01D-40 (P308025-12) Soil Sampled: 07/30/03 15:31 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB02-0 (P308025-13) Soil Sampled: 07/31/03 10:09 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB02-3 (P308025-14) Soil Sampled: 07/31/03 10:23 Received: 07/31/03 14:10										
Sulfur, mol. (S8)	500		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB02-6 (P308025-15) Soil Sampled: 07/31/03 10:35 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB02-15E (P308025-16) Water Sampled: 07/31/03 11:04 Received: 07/31/03 14:10										
No TICs found	ND		10	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
36D-SB02-15 (P308025-17) Soil Sampled: 07/31/03 11:18 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB02-20 (P308025-18) Soil Sampled: 07/31/03 11:35 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	

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Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-25 (P308025-19) Soil Sampled: 07/31/03 11:52 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB02-30 (P308025-20) Soil Sampled: 07/31/03 12:13 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB02-35 (P308025-21) Soil Sampled: 07/31/03 12:45 Received: 07/31/03 14:10										
No TICs found	ND		300	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	

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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
37D-SB01-6 (P308025-01) Soil Sampled: 07/30/03 09:52 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/15/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	47	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	66	14	330	"	"	"	"	"	"	J
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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.

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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
37D-SB01-6 (P308025-01) Soil Sampled: 07/30/03 09:52 Received: 07/31/03 14:10										
2,6-Dinitrotoluene	ND	13	330	ug/kg	1	3080086	08/13/03	08/15/03	EPA 8270C	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		67 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		76 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		82 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		86 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		90 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		102 %	64-119			"	"	"	"	

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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-2.5 (P308025-02) Soil Sampled: 07/30/03 12:20 Received: 07/31/03 14:10 R-05, R-06										
Acenaphthene	ND	26	990	ug/kg	2	3080086	08/13/03	08/15/03	EPA 8270C	
Acenaphthylene	ND	23	990	"	"	"	"	"	"	
Anthracene	ND	42	990	"	"	"	"	"	"	
Azobenzene	ND	61	990	"	"	"	"	"	"	
Benzidine	ND	5100	5100	"	"	"	"	"	"	
Benzoic acid	ND	8.0	5100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	23	990	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	40	990	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	27	990	"	"	"	"	"	"	
Benzo (a) pyrene	ND	30	990	"	"	"	"	"	"	
Benzyl alcohol	ND	34	2000	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	27	990	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	46	990	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	47	990	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	180	28	990	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	38	990	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	34	990	"	"	"	"	"	"	
4-Chloroaniline	ND	180	2000	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	32	2000	"	"	"	"	"	"	
2-Chloronaphthalene	ND	30	990	"	"	"	"	"	"	
2-Chlorophenol	ND	47	990	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	38	990	"	"	"	"	"	"	
Chrysene	150	32	990	"	"	"	"	"	"	J
Dibenz (a,h) anthracene	ND	55	990	"	"	"	"	"	"	
Dibenzofuran	ND	29	990	"	"	"	"	"	"	
Di-n-butyl phthalate	260	35	990	"	"	"	"	"	"	J
1,2-Dichlorobenzene	ND	48	990	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	41	990	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	46	990	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	130	2000	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	44	990	"	"	"	"	"	"	
Diethyl phthalate	ND	43	990	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	110	990	"	"	"	"	"	"	
Dimethyl phthalate	ND	34	990	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	52	5100	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	31	5100	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	59	990	"	"	"	"	"	"	

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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-2.5 (P308025-02) Soil Sampled: 07/30/03 12:20 Received: 07/31/03 14:10										
R-05, R-06										
2,6-Dinitrotoluene	ND	40	990	ug/kg	2	3080086	08/13/03	08/15/03	EPA 8270C	
Di-n-octyl phthalate	ND	34	990	"	"	"	"	"	"	
Fluoranthene	160	34	990	"	"	"	"	"	"	J
Fluorene	ND	24	990	"	"	"	"	"	"	
Hexachlorobenzene	ND	46	990	"	"	"	"	"	"	
Hexachlorobutadiene	ND	51	990	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	30	990	"	"	"	"	"	"	
Hexachloroethane	ND	52	990	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	34	990	"	"	"	"	"	"	
Isophorone	ND	43	990	"	"	"	"	"	"	
2-Methylnaphthalene	ND	31	990	"	"	"	"	"	"	
2-Methylphenol	ND	47	990	"	"	"	"	"	"	
4-Methylphenol	ND	34	990	"	"	"	"	"	"	
Naphthalene	ND	40	990	"	"	"	"	"	"	
2-Nitroaniline	ND	52	5100	"	"	"	"	"	"	
3-Nitroaniline	ND	54	5100	"	"	"	"	"	"	
4-Nitroaniline	ND	67	5100	"	"	"	"	"	"	
Nitrobenzene	ND	49	990	"	"	"	"	"	"	
2-Nitrophenol	ND	43	990	"	"	"	"	"	"	
4-Nitrophenol	ND	70	5100	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	49	990	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	50	990	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	44	990	"	"	"	"	"	"	
Pentachlorophenol	ND	36	5100	"	"	"	"	"	"	
Phenanthrene	ND	41	990	"	"	"	"	"	"	
Phenol	ND	37	990	"	"	"	"	"	"	
Pyrene	180	36	990	"	"	"	"	"	"	J
1,2,4-Trichlorobenzene	ND	46	990	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	41	990	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	28	990	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		42 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		52 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		57 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		67 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		67 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		76 %	64-119			"	"	"	"	

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

 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

 P308025
Reported:
 08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-5 (P308025-03) Soil Sampled: 07/30/03 12:26 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	52	2.7	1700	"	"	"	"	"	"	J
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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.

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

 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

 P308025
Reported:
 08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-5 (P308025-03) Soil Sampled: 07/30/03 12:26 Received: 07/31/03 14:10										
2,6-Dinitrotoluene	ND	13	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		58 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		67 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		69 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		71 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		83 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		103 %	64-119			"	"	"	"	

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

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P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-11 (P308025-04) Soil Sampled: 07/30/03 12:42 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	

Environmental Resources Management
 2525 Natomas Park Drive, Suite 350
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-11 (P308025-04) Soil Sampled: 07/30/03 12:42 Received: 07/31/03 14:10										
2,4-Dinitrotoluene	ND	20	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		63 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		71 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		76 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		80 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		86 %	51-144			"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-11 (P308025-04) Soil Sampled: 07/30/03 12:42 Received: 07/31/03 14:10										
<i>Surrogate: Terphenyl-d14</i>		98 %	64-119			3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB01-15E (P308025-05) Water Sampled: 07/30/03 12:47 Received: 07/31/03 14:10										
Acenaphthene	ND	1.2	10	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
Acenaphthylene	ND	1.4	10	"	"	"	"	"	"	
Anthracene	ND	0.61	10	"	"	"	"	"	"	
Azobenzene	ND	0.64	20	"	"	"	"	"	"	
Benzidine	ND	3.2	51	"	"	"	"	"	"	
Benzoic acid	ND	3.9	51	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.44	10	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.2	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.65	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.88	10	"	"	"	"	"	"	
Benzyl alcohol	ND	3.9	20	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.1	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.5	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.5	10	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	2.9	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.71	10	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	2.7	10	"	"	"	"	"	"	
4-Chloroaniline	ND	0.56	20	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.3	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.4	10	"	"	"	"	"	"	
2-Chlorophenol	ND	0.31	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.98	10	"	"	"	"	"	"	
Chrysene	ND	0.45	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.56	10	"	"	"	"	"	"	
Dibenzofuran	ND	1.1	10	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	1.1	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	2.9	20	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.47	10	"	"	"	"	"	"	
Diethyl phthalate	ND	0.42	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.4	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.57	10	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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.

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

 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

 P308025
Reported:
 08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-15E (P308025-05) Water Sampled: 07/30/03 12:47 Received: 07/31/03 14:10										
4,6-Dinitro-2-methylphenol	ND	3.4	51	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
2,4-Dinitrophenol	ND	2.3	51	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.83	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.77	10	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.82	10	"	"	"	"	"	"	
Fluoranthene	ND	0.44	10	"	"	"	"	"	"	
Fluorene	ND	1.0	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.80	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.5	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.31	10	"	"	"	"	"	"	
Hexachloroethane	ND	1.7	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.62	10	"	"	"	"	"	"	
Isophorone	ND	0.72	10	"	"	"	"	"	"	
2-Methylnaphthalene	ND	1.4	10	"	"	"	"	"	"	
2-Methylphenol	ND	3.4	10	"	"	"	"	"	"	
4-Methylphenol	ND	3.0	10	"	"	"	"	"	"	
Naphthalene	ND	1.6	10	"	"	"	"	"	"	
2-Nitroaniline	ND	0.70	51	"	"	"	"	"	"	
3-Nitroaniline	ND	0.55	51	"	"	"	"	"	"	
4-Nitroaniline	ND	0.62	51	"	"	"	"	"	"	
Nitrobenzene	ND	1.3	10	"	"	"	"	"	"	
2-Nitrophenol	ND	0.42	10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.52	51	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	1.5	20	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	3.9	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.59	10	"	"	"	"	"	"	
Pentachlorophenol	ND	3.1	51	"	"	"	"	"	"	
Phenanthrene	ND	0.57	10	"	"	"	"	"	"	
Phenol	ND	0.48	10	"	"	"	"	"	"	
Pyrene	ND	0.28	10	"	"	"	"	"	"	
Pyridine	ND	3.8	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.7	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.62	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.31	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		65 %	15-103			"	"	"	"	
Surrogate: Phenol-d6		82 %	18-115			"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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36D-SB01-15E (P308025-05) Water Sampled: 07/30/03 12:47 Received: 07/31/03 14:10

Surrogate: Nitrobenzene-d5	93 %		39-103			3080056	08/05/03	08/13/03	EPA 8270C	
Surrogate: 2-Fluorobiphenyl	97 %		40-124			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	104 %		11-142			"	"	"	"	
Surrogate: Terphenyl-d14	120 %		56-139			"	"	"	"	

36D-SB01-15 (P308025-06) Soil Sampled: 07/30/03 13:03 Received: 07/31/03 14:10

Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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.

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-15 (P308025-06) Soil Sampled: 07/30/03 13:03 Received: 07/31/03 14:10										
Diethyl phthalate	ND	14	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-15 (P308025-06) Soil Sampled: 07/30/03 13:03 Received: 07/31/03 14:10										
Surrogate: 2-Fluorophenol		64 %	11-120			3080086	08/13/03	08/20/03	EPA 8270C	
Surrogate: Phenol-d6		73 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		77 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		78 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		85 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		100 %	64-119			"	"	"	"	
36D-SB01-20 (P308025-07) Soil Sampled: 07/30/03 13:27 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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

 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

 P308025
Reported:
 08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-20 (P308025-07) Soil Sampled: 07/30/03 13:27 Received: 07/31/03 14:10										
3,3'-Dichlorobenzidine	ND	44	660	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-20 (P308025-07) Soil Sampled: 07/30/03 13:27 Received: 07/31/03 14:10										
2,4,5-Trichlorophenol	ND	14	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		68 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		77 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		82 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		85 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		92 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		101 %	64-119			"	"	"	"	
36D-SB01-25 (P308025-08) Soil Sampled: 07/30/03 13:43 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-25 (P308025-08) Soil Sampled: 07/30/03 13:43 Received: 07/31/03 14:10										
1,2-Dichlorobenzene	ND	16	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-25 (P308025-08) Soil Sampled: 07/30/03 13:43 Received: 07/31/03 14:10										
Phenol	ND	12	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		67 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		76 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		82 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		84 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		95 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		106 %	64-119			"	"	"	"	
36D-SB01-30 (P308025-09) Soil Sampled: 07/30/03 14:53 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-30 (P308025-09) Soil Sampled: 07/30/03 14:53 Received: 07/31/03 14:10										
Dibenz (a,h) anthracene	ND	18	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	

Environmental Resources Management
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 Project: Aerojet RI/FS
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-30 (P308025-09) Soil Sampled: 07/30/03 14:53 Received: 07/31/03 14:10										
N-Nitrosodi-n-propylamine	ND	15	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		64 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		74 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		75 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		68 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		80 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		100 %	64-119			"	"	"	"	
36D-SB01-35 (P308025-10) Soil Sampled: 07/30/03 15:12 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

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**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-35 (P308025-10) Soil Sampled: 07/30/03 15:12 Received: 07/31/03 14:10										
2-Chlorophenol	ND	16	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	

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

 Project: Aerojet RI/FS
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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36D-SB01-35 (P308025-10) Soil Sampled: 07/30/03 15:12 Received: 07/31/03 14:10

4-Nitrophenol	ND	23	1700	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		59 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		70 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		74 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		66 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		72 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		98 %	64-119			"	"	"	"	

36D-SB01-40 (P308025-11) Soil Sampled: 07/30/03 15:31 Received: 07/31/03 14:10

Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	86	2.7	1700	"	"	"	"	"	"	J
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	85	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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.

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

 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

 P308025
Reported:
 08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-40 (P308025-11) Soil Sampled: 07/30/03 15:31 Received: 07/31/03 14:10										
4-Chloro-3-methylphenol	ND	11	660	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	

Environmental Resources Management
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01-40 (P308025-11) Soil Sampled: 07/30/03 15:31 Received: 07/31/03 14:10										
Nitrobenzene	ND	16	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		60 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		71 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		73 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		74 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		92 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		96 %	64-119			"	"	"	"	
36D-SB01D-40 (P308025-12) Soil Sampled: 07/30/03 15:31 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
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**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01D-40 (P308025-12) Soil Sampled: 07/30/03 15:31 Received: 07/31/03 14:10										
4-Bromophenyl phenyl ether	ND	13	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	

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

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**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB01D-40 (P308025-12) Soil Sampled: 07/30/03 15:31 Received: 07/31/03 14:10										
2-Nitroaniline	ND	17	1700	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		64 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		73 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		76 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		73 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		82 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		99 %	64-119			"	"	"	"	
36D-SB02-0 (P308025-13) Soil Sampled: 07/31/03 10:09 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	

Environmental Resources Management
2525 Natomas Park Drive, Suite 350
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-0 (P308025-13) Soil Sampled: 07/31/03 10:09 Received: 07/31/03 14:10										
Bis(2-chloroethyl)ether	ND	15	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	

Environmental Resources Management
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-0 (P308025-13) Soil Sampled: 07/31/03 10:09 Received: 07/31/03 14:10										
2-Methylphenol	ND	16	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		55 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		66 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		70 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		68 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		69 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		97 %	64-119			"	"	"	"	

Environmental Resources Management
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-3 (P308025-14) Soil Sampled: 07/31/03 10:23 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	

Environmental Resources Management
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**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-3 (P308025-14) Soil Sampled: 07/31/03 10:23 Received: 07/31/03 14:10										
2,4-Dinitrotoluene	ND	20	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		61 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		71 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		74 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		80 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		90 %	51-144			"	"	"	"	

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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-3 (P308025-14) Soil Sampled: 07/31/03 10:23 Received: 07/31/03 14:10										
<i>Surrogate: Terphenyl-d14</i>		95 %	64-119			3080086	08/13/03	08/20/03	EPA 8270C	
36D-SB02-6 (P308025-15) Soil Sampled: 07/31/03 10:35 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	35	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-6 (P308025-15) Soil Sampled: 07/31/03 10:35 Received: 07/31/03 14:10										
4,6-Dinitro-2-methylphenol	ND	17	1700	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		58 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		67 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		67 %	16-126			"	"	"	"	

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

 Project: Aerojet RI/FS
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 P308025
Reported:
 08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-6 (P308025-15) Soil Sampled: 07/31/03 10:35 Received: 07/31/03 14:10										
Surrogate: 2-Fluorobiphenyl		70 %	28-134			3080086	08/13/03	08/20/03	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol		81 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		94 %	64-119			"	"	"	"	
36D-SB02-15E (P308025-16) Water Sampled: 07/31/03 11:04 Received: 07/31/03 14:10										
Acenaphthene	ND	1.2	10	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
Acenaphthylene	ND	1.4	10	"	"	"	"	"	"	
Anthracene	ND	0.62	10	"	"	"	"	"	"	
Azobenzene	ND	0.65	21	"	"	"	"	"	"	
Benzidine	ND	3.3	52	"	"	"	"	"	"	
Benzoic acid	ND	4.0	52	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.45	10	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.2	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.66	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.90	10	"	"	"	"	"	"	
Benzyl alcohol	ND	4.0	21	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.1	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.5	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.6	10	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	2.9	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.72	10	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	2.8	10	"	"	"	"	"	"	
4-Chloroaniline	ND	0.57	21	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.4	21	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.5	10	"	"	"	"	"	"	
2-Chlorophenol	ND	0.32	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.0	10	"	"	"	"	"	"	
Chrysene	ND	0.46	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.57	10	"	"	"	"	"	"	
Dibenzofuran	ND	1.1	10	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	1.1	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	2.9	21	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.48	10	"	"	"	"	"	"	
Diethyl phthalate	ND	0.43	10	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-15E (P308025-16) Water Sampled: 07/31/03 11:04 Received: 07/31/03 14:10										
2,4-Dimethylphenol	ND	1.4	10	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
Dimethyl phthalate	ND	0.58	10	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	3.5	52	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	2.4	52	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.85	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.78	10	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.84	10	"	"	"	"	"	"	
Fluoranthene	ND	0.45	10	"	"	"	"	"	"	
Fluorene	ND	1.0	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.81	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.5	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.32	10	"	"	"	"	"	"	
Hexachloroethane	ND	1.7	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.63	10	"	"	"	"	"	"	
Isophorone	ND	0.73	10	"	"	"	"	"	"	
2-Methylnaphthalene	ND	1.4	10	"	"	"	"	"	"	
2-Methylphenol	ND	3.5	10	"	"	"	"	"	"	
4-Methylphenol	ND	3.1	10	"	"	"	"	"	"	
Naphthalene	ND	1.6	10	"	"	"	"	"	"	
2-Nitroaniline	ND	0.71	52	"	"	"	"	"	"	
3-Nitroaniline	ND	0.56	52	"	"	"	"	"	"	
4-Nitroaniline	ND	0.63	52	"	"	"	"	"	"	
Nitrobenzene	ND	1.4	10	"	"	"	"	"	"	
2-Nitrophenol	ND	0.43	10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.53	52	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	1.5	21	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	4.0	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.60	10	"	"	"	"	"	"	
Pentachlorophenol	ND	3.2	52	"	"	"	"	"	"	
Phenanthrene	ND	0.58	10	"	"	"	"	"	"	
Phenol	ND	0.49	10	"	"	"	"	"	"	
Pyrene	ND	0.29	10	"	"	"	"	"	"	
Pyridine	ND	3.9	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.7	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.63	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.32	10	"	"	"	"	"	"	

Environmental Resources Management
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P308025
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-15E (P308025-16) Water Sampled: 07/31/03 11:04 Received: 07/31/03 14:10										
Surrogate: 2-Fluorophenol	61 %		15-103			3080056	08/05/03	08/13/03	EPA 8270C	
Surrogate: Phenol-d6	78 %		18-115			"	"	"	"	
Surrogate: Nitrobenzene-d5	90 %		39-103			"	"	"	"	
Surrogate: 2-Fluorobiphenyl	95 %		40-124			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	102 %		11-142			"	"	"	"	
Surrogate: Terphenyl-d14	121 %		56-139			"	"	"	"	
36D-SB02-15 (P308025-17) Soil Sampled: 07/31/03 11:18 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

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

 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

 P308025
Reported:
 08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-15 (P308025-17) Soil Sampled: 07/31/03 11:18 Received: 07/31/03 14:10										
3,3'-Dichlorobenzidine	ND	44	660	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	

Environmental Resources Management
 2525 Natomas Park Drive, Suite 350
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-15 (P308025-17) Soil Sampled: 07/31/03 11:18 Received: 07/31/03 14:10										
2,4,5-Trichlorophenol	ND	14	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		62 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		71 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		74 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		75 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		84 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		103 %	64-119			"	"	"	"	
36D-SB02-20 (P308025-18) Soil Sampled: 07/31/03 11:35 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	

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

 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

 P308025
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-20 (P308025-18) Soil Sampled: 07/31/03 11:35 Received: 07/31/03 14:10										
1,2-Dichlorobenzene	ND	16	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	

Environmental Resources Management
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 Project: Aerojet RI/FS
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-20 (P308025-18) Soil Sampled: 07/31/03 11:35 Received: 07/31/03 14:10										
Phenol	ND	12	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		64 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		75 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		76 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		80 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		89 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		101 %	64-119			"	"	"	"	
36D-SB02-25 (P308025-19) Soil Sampled: 07/31/03 11:52 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzydine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	

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

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**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-25 (P308025-19) Soil Sampled: 07/31/03 11:52 Received: 07/31/03 14:10										
Dibenz (a,h) anthracene	ND	18	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	

Environmental Resources Management
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**Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-25 (P308025-19) Soil Sampled: 07/31/03 11:52 Received: 07/31/03 14:10										
N-Nitrosodi-n-propylamine	ND	15	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		63 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		71 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		75 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		79 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		84 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		99 %	64-119			"	"	"	"	
36D-SB02-30 (P308025-20) Soil Sampled: 07/31/03 12:13 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	

Environmental Resources Management
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Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-30 (P308025-20) Soil Sampled: 07/31/03 12:13 Received: 07/31/03 14:10										
2-Chlorophenol	ND	16	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	

Environmental Resources Management
2525 Natomas Park Drive, Suite 350
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-30 (P308025-20) Soil Sampled: 07/31/03 12:13 Received: 07/31/03 14:10										
4-Nitrophenol	ND	23	1700	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		61 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		71 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		74 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		70 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		83 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		101 %	64-119			"	"	"	"	
36D-SB02-35 (P308025-21) Soil Sampled: 07/31/03 12:45 Received: 07/31/03 14:10										
Acenaphthene	ND	8.7	330	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	

Environmental Resources Management
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 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

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Reported:
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-35 (P308025-21) Soil Sampled: 07/31/03 12:45 Received: 07/31/03 14:10										
4-Chloroaniline	ND	58	660	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	

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

 Project: Aerojet RI/FS
 Project Number: N/A
 Project Manager: Bruce Lewis

 P308025
Reported:
 08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
36D-SB02-35 (P308025-21) Soil Sampled: 07/31/03 12:45 Received: 07/31/03 14:10										
4-Nitroaniline	ND	22	1700	ug/kg	1	3080086	08/13/03	08/20/03	EPA 8270C	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		64 %	11-120			"	"	"	"	
<i>Surrogate: Phenol-d6</i>		74 %	16-130			"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		78 %	16-126			"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		79 %	28-134			"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		88 %	51-144			"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		100 %	64-119			"	"	"	"	

Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento CA, 95833	Project: Aerojet RI/FS Project Number: N/A Project Manager: Bruce Lewis	P308025 Reported: 08/25/03 15:56
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Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080063 - EPA 3050B

Blank (3080063-BLK1)					Prepared & Analyzed: 08/08/03						
Thallium	ND		0.10	mg/kg							
Laboratory Control Sample (3080063-BS1)					Prepared & Analyzed: 08/08/03						
Thallium	25.0		0.10	mg/kg	25.0		100	80-120			
Duplicate (3080063-DUP1)					Source: P308025-13 Prepared & Analyzed: 08/08/03						
Thallium	0.0912		0.48	mg/kg	0.14				42	10	QR-07
Matrix Spike (3080063-MS1)					Source: P308025-13 Prepared & Analyzed: 08/08/03						
Thallium	23.1		0.10	mg/kg	25.3	0.14	91	80-120			
Matrix Spike Dup (3080063-MSD1)					Source: P308025-13 Prepared & Analyzed: 08/08/03						
Thallium	22.5		0.10	mg/kg	25.0	0.14	89	80-120	3	20	
Post Spike (3080063-PS1)					Source: P308025-13 Prepared & Analyzed: 08/08/03						
Thallium	0.456			ug/ml	0.500	0.0029	91	80-120			

Batch 3080141 - EPA 3010A

Blank (3080141-BLK1)					Prepared & Analyzed: 08/08/03						
Thallium	ND		2.0	ug/l							
Laboratory Control Sample (3080141-BS1)					Prepared & Analyzed: 08/08/03						
Thallium	527		2.0	ug/l	500		105	80-120			
Duplicate (3080141-DUP1)					Source: P308025-16 Prepared & Analyzed: 08/08/03						
Thallium	ND		10	ug/l	ND					10	

Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento CA, 95833	Project: Aerojet RI/FS Project Number: N/A Project Manager: Bruce Lewis	P308025 Reported: 08/25/03 15:56
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**Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Petaluma**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080141 - EPA 3010A

Matrix Spike (3080141-MS1)		Source: P308025-16		Prepared & Analyzed: 08/08/03							
Thallium	524		2.0	ug/l	500	ND	105	80-120			
Matrix Spike Dup (3080141-MSD1)		Source: P308025-16		Prepared & Analyzed: 08/08/03							
Thallium	521		2.0	ug/l	500	ND	104	80-120	0.6	20	
Post Spike (3080141-PS1)		Source: P308025-16		Prepared & Analyzed: 08/08/03							
Thallium	491			ug/l	500	ND	98	80-120			

Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento CA, 95833	Project: Aerojet RI/FS Project Number: N/A Project Manager: Bruce Lewis	P308025 Reported: 08/25/03 15:56
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Tentatively Identified Compounds by GC/MS - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080056 - EPA 3520B LiqLiquid

Blank (3080056-BLK1)

Prepared: 08/05/03 Analyzed: 08/13/03

No TICs found ND 10 ug/l

Batch 3080086 - EPA 3550A Sonication

Blank (3080086-BLK1)

Prepared: 08/13/03 Analyzed: 08/15/03

No TICs found ND 300 ug/kg

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080056 - EPA 3520B LiqLiquid
Blank (3080056-BLK1)

Prepared: 08/05/03 Analyzed: 08/13/03

Acenaphthene	ND	1.2	10	ug/l							
Acenaphthylene	ND	1.4	10	"							
Anthracene	ND	0.60	10	"							
Azobenzene	ND	0.63	20	"							
Benzidine	ND	3.2	50	"							
Benzoic acid	ND	3.9	50	"							
Benzo (a) anthracene	ND	0.44	10	"							
Benzo (b+k) fluoranthene (total)	ND	1.1	10	"							
Benzo (g,h,i) perylene	ND	0.64	10	"							
Benzo (a) pyrene	ND	0.87	10	"							
Benzyl alcohol	ND	3.9	20	"							
Bis(2-chloroethoxy)methane	ND	1.1	10	"							
Bis(2-chloroethyl)ether	ND	1.5	10	"							
Bis(2-chloroisopropyl)ether	ND	1.5	10	"							
Bis(2-ethylhexyl)phthalate	ND	2.8	10	"							
4-Bromophenyl phenyl ether	ND	0.70	10	"							
Butyl benzyl phthalate	ND	2.7	10	"							
4-Chloroaniline	ND	0.55	20	"							
4-Chloro-3-methylphenol	ND	2.3	20	"							
2-Chloronaphthalene	ND	1.4	10	"							
2-Chlorophenol	ND	0.31	10	"							
4-Chlorophenyl phenyl ether	ND	0.97	10	"							
Chrysene	ND	0.45	10	"							
Dibenz (a,h) anthracene	ND	0.55	10	"							
Dibenzofuran	ND	1.1	10	"							
Di-n-butyl phthalate	ND	1.1	10	"							
1,2-Dichlorobenzene	ND	1.8	10	"							
1,3-Dichlorobenzene	ND	1.8	10	"							
1,4-Dichlorobenzene	ND	1.8	10	"							
3,3'-Dichlorobenzidine	ND	2.9	20	"							
2,4-Dichlorophenol	ND	0.47	10	"							
Diethyl phthalate	ND	0.42	10	"							
2,4-Dimethylphenol	ND	1.4	10	"							
Dimethyl phthalate	ND	0.56	10	"							

Sequoia Analytical - Petaluma

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080056 - EPA 3520B LiqLiquid
Blank (3080056-BLK1)

Prepared: 08/05/03 Analyzed: 08/13/03

4,6-Dinitro-2-methylphenol	ND	3.4	50	ug/l							
2,4-Dinitrophenol	ND	2.3	50	"							
2,4-Dinitrotoluene	ND	0.82	10	"							
2,6-Dinitrotoluene	ND	0.76	10	"							
Di-n-octyl phthalate	ND	0.81	10	"							
Fluoranthene	ND	0.44	10	"							
Fluorene	ND	1.0	10	"							
Hexachlorobenzene	ND	0.79	10	"							
Hexachlorobutadiene	ND	1.5	10	"							
Hexachlorocyclopentadiene	ND	0.31	10	"							
Hexachloroethane	ND	1.7	10	"							
Indeno (1,2,3-cd) pyrene	ND	0.61	10	"							
Isophorone	ND	0.71	10	"							
2-Methylnaphthalene	ND	1.4	10	"							
2-Methylphenol	ND	3.4	10	"							
4-Methylphenol	ND	3.0	10	"							
Naphthalene	ND	1.6	10	"							
2-Nitroaniline	ND	0.69	50	"							
3-Nitroaniline	ND	0.54	50	"							
4-Nitroaniline	ND	0.61	50	"							
Nitrobenzene	ND	1.3	10	"							
2-Nitrophenol	ND	0.42	10	"							
4-Nitrophenol	ND	0.51	50	"							
N-Nitrosodimethylamine	ND	1.4	20	"							
N-Nitrosodiphenylamine	ND	3.9	10	"							
N-Nitrosodi-n-propylamine	ND	0.58	10	"							
Pentachlorophenol	ND	3.1	50	"							
Phenanthrene	ND	0.56	10	"							
Phenol	ND	0.48	10	"							
Pyrene	ND	0.28	10	"							
Pyridine	ND	3.8	10	"							
1,2,4-Trichlorobenzene	ND	1.7	10	"							
2,4,5-Trichlorophenol	ND	0.61	10	"							
2,4,6-Trichlorophenol	ND	0.31	10	"							

Sequoia Analytical - Petaluma

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080056 - EPA 3520B LiqLiquid
Blank (3080056-BLK1)

Prepared: 08/05/03 Analyzed: 08/13/03

Surrogate: 2-Fluorophenol	83.4			ug/l	150		56	15-103			
Surrogate: Phenol-d6	120			"	150		80	18-115			
Surrogate: Nitrobenzene-d5	95.4			"	100		95	39-103			
Surrogate: 2-Fluorobiphenyl	94.5			"	100		94	40-124			
Surrogate: 2,4,6-Tribromophenol	152			"	150		101	11-142			
Surrogate: Terphenyl-d14	122			"	100		122	56-139			

Laboratory Control Sample (3080056-BS1)

Prepared: 08/05/03 Analyzed: 08/13/03

Acenaphthene	105	1.2	10	ug/l	100		105	58-120			
4-Chloro-3-methylphenol	110	2.3	20	"	100		110	51-116			
2-Chlorophenol	90.9	0.31	10	"	100		91	28-111			
1,4-Dichlorobenzene	82.1	1.8	10	"	100		82	29-108			
2,4-Dinitrotoluene	122	0.82	10	"	100		122	60-114			Q-LIM
4-Nitrophenol	101	0.51	50	"	100		101	25-148			
N-Nitrosodi-n-propylamine	96.2	0.58	10	"	100		96	29-119			
Pentachlorophenol	112	3.1	50	"	100		112	40-131			
Phenol	83.2	0.48	10	"	100		83	22-117			
Pyrene	120	0.28	10	"	100		120	52-127			
1,2,4-Trichlorobenzene	91.3	1.7	10	"	100		91	24-131			
Surrogate: 2-Fluorophenol	113			"	150		75	15-103			
Surrogate: Phenol-d6	124			"	150		83	18-115			
Surrogate: Nitrobenzene-d5	102			"	100		102	39-103			
Surrogate: 2-Fluorobiphenyl	103			"	100		103	40-124			
Surrogate: 2,4,6-Tribromophenol	179			"	150		119	11-142			
Surrogate: Terphenyl-d14	121			"	100		121	56-139			

Laboratory Control Sample Dup (3080056-BS1)

Prepared: 08/05/03 Analyzed: 08/13/03

Acenaphthene	104	1.2	10	ug/l	100		104	58-120	1	27	
4-Chloro-3-methylphenol	111	2.3	20	"	100		111	51-116	0.9	30	
2-Chlorophenol	92.0	0.31	10	"	100		92	28-111	1	39	
1,4-Dichlorobenzene	83.2	1.8	10	"	100		83	29-108	1	41	
2,4-Dinitrotoluene	119	0.82	10	"	100		119	60-114	2	22	Q-LIM
4-Nitrophenol	96.3	0.51	50	"	100		96	25-148	5	44	
N-Nitrosodi-n-propylamine	95.7	0.58	10	"	100		96	29-119	0.5	44	
Pentachlorophenol	109	3.1	50	"	100		109	40-131	3	33	

Sequoia Analytical - Petaluma

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080056 - EPA 3520B LiqLiquid
Laboratory Control Sample Dup (3080056-BSD1)

Prepared: 08/05/03 Analyzed: 08/13/03

Phenol	84.2	0.48	10	ug/l	100		84	22-117	1	33	
Pyrene	117	0.28	10	"	100		117	52-127	3	25	
1,2,4-Trichlorobenzene	94.0	1.7	10	"	100		94	24-131	3	48	
Surrogate: 2-Fluorophenol	116			"	150		77	15-103			
Surrogate: Phenol-d6	125			"	150		83	18-115			
Surrogate: Nitrobenzene-d5	103			"	100		103	39-103			
Surrogate: 2-Fluorobiphenyl	104			"	100		104	40-124			
Surrogate: 2,4,6-Tribromophenol	174			"	150		116	11-142			
Surrogate: Terphenyl-d14	118			"	100		118	56-139			

Batch 3080086 - EPA 3550A Sonication
Blank (3080086-BLK1)

Prepared: 08/13/03 Analyzed: 08/15/03

Acenaphthene	ND	8.7	330	ug/kg							
Acenaphthylene	ND	7.6	330	"							
Anthracene	ND	14	330	"							
Azobenzene	ND	20	330	"							
Benzidine	ND	1700	1700	"							
Benzoic acid	ND	2.7	1700	"							
Benzo (a) anthracene	ND	7.6	330	"							
Benzo (b+k) fluoranthene (total)	ND	13	330	"							
Benzo (g,h,i) perylene	ND	8.8	330	"							
Benzo (a) pyrene	ND	10	330	"							
Benzyl alcohol	ND	11	660	"							
Bis(2-chloroethoxy)methane	ND	9.1	330	"							
Bis(2-chloroethyl)ether	ND	15	330	"							
Bis(2-chloroisopropyl)ether	ND	16	330	"							
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"							
4-Bromophenyl phenyl ether	ND	13	330	"							
Butyl benzyl phthalate	ND	11	330	"							
4-Chloroaniline	ND	58	660	"							
4-Chloro-3-methylphenol	ND	11	660	"							
2-Chloronaphthalene	ND	9.9	330	"							
2-Chlorophenol	ND	16	330	"							
4-Chlorophenyl phenyl ether	ND	13	330	"							

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080086 - EPA 3550A Sonication
Blank (3080086-BLK1)

Prepared: 08/13/03 Analyzed: 08/15/03

Chrysene	ND	11	330	ug/kg							
Dibenz (a,h) anthracene	ND	18	330	"							
Dibenzofuran	ND	9.6	330	"							
Di-n-butyl phthalate	ND	12	330	"							
1,2-Dichlorobenzene	ND	16	330	"							
1,3-Dichlorobenzene	ND	14	330	"							
1,4-Dichlorobenzene	ND	15	330	"							
3,3'-Dichlorobenzidine	ND	44	660	"							
2,4-Dichlorophenol	ND	15	330	"							
Diethyl phthalate	ND	14	330	"							
2,4-Dimethylphenol	ND	36	330	"							
Dimethyl phthalate	ND	11	330	"							
4,6-Dinitro-2-methylphenol	ND	17	1700	"							
2,4-Dinitrophenol	ND	10	1700	"							
2,4-Dinitrotoluene	ND	20	330	"							
2,6-Dinitrotoluene	ND	13	330	"							
Di-n-octyl phthalate	ND	11	330	"							
Fluoranthene	ND	11	330	"							
Fluorene	ND	7.9	330	"							
Hexachlorobenzene	ND	15	330	"							
Hexachlorobutadiene	ND	17	330	"							
Hexachlorocyclopentadiene	ND	10	330	"							
Hexachloroethane	ND	17	330	"							
Indeno (1,2,3-cd) pyrene	ND	11	330	"							
Isophorone	ND	14	330	"							
2-Methylnaphthalene	ND	10	330	"							
2-Methylphenol	ND	16	330	"							
4-Methylphenol	ND	11	330	"							
Naphthalene	ND	13	330	"							
2-Nitroaniline	ND	17	1700	"							
3-Nitroaniline	ND	18	1700	"							
4-Nitroaniline	ND	22	1700	"							
Nitrobenzene	ND	16	330	"							
2-Nitrophenol	ND	14	330	"							

Sequoia Analytical - Petaluma

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080086 - EPA 3550A Sonication
Blank (3080086-BLK1)

Prepared: 08/13/03 Analyzed: 08/15/03

4-Nitrophenol	ND	23	1700	ug/kg							
N-Nitrosodimethylamine	ND	16	330	"							
N-Nitrosodiphenylamine	ND	17	330	"							
N-Nitrosodi-n-propylamine	ND	15	330	"							
Pentachlorophenol	ND	12	1700	"							
Phenanthrene	ND	14	330	"							
Phenol	ND	12	330	"							
Pyrene	ND	12	330	"							
1,2,4-Trichlorobenzene	ND	15	330	"							
2,4,5-Trichlorophenol	ND	14	330	"							
2,4,6-Trichlorophenol	ND	9.4	330	"							
<i>Surrogate: 2-Fluorophenol</i>	3220			"	5000		64	11-120			
<i>Surrogate: Phenol-d6</i>	3600			"	5000		72	16-130			
<i>Surrogate: Nitrobenzene-d5</i>	2530			"	3330		76	16-126			
<i>Surrogate: 2-Fluorobiphenyl</i>	2690			"	3330		81	28-134			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4110			"	5000		82	51-144			
<i>Surrogate: Terphenyl-d14</i>	3330			"	3330		100	64-119			

Laboratory Control Sample (3080086-BS1)

Prepared: 08/13/03 Analyzed: 08/15/03

Acenaphthene	2740	8.7	330	ug/kg	3330		82	34-114			
4-Chloro-3-methylphenol	2890	11	660	"	3330		87	24-118			
2-Chlorophenol	2410	16	330	"	3330		72	29-101			
1,4-Dichlorobenzene	2320	15	330	"	3330		70	25-104			
2,4-Dinitrotoluene	3390	20	330	"	3330		102	42-116			
4-Nitrophenol	2760	23	1700	"	3330		83	31-109			
N-Nitrosodi-n-propylamine	2520	15	330	"	3330		76	23-117			
Pentachlorophenol	3010	12	1700	"	3330		90	34-114			
Phenol	2340	12	330	"	3330		70	20-105			
Pyrene	3360	12	330	"	3330		101	30-124			
1,2,4-Trichlorobenzene	2630	15	330	"	3330		79	28-112			
<i>Surrogate: 2-Fluorophenol</i>	3240			"	5000		65	11-120			
<i>Surrogate: Phenol-d6</i>	3460			"	5000		69	16-130			
<i>Surrogate: Nitrobenzene-d5</i>	2500			"	3330		75	16-126			
<i>Surrogate: 2-Fluorobiphenyl</i>	2700			"	3330		81	28-134			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4680			"	5000		94	51-144			

Sequoia Analytical - Petaluma

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.

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080086 - EPA 3550A Sonication
Laboratory Control Sample (3080086-BS1)

Prepared: 08/13/03 Analyzed: 08/15/03

<i>Surrogate: Terphenyl-d14</i>	3390			ug/kg	3330		102	64-119			
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Matrix Spike (3080086-MS1)
Source: P308025-02

Prepared: 08/13/03 Analyzed: 08/15/03

Acenaphthene	2750	8.7	330	ug/kg	3330	ND	83	30-110			
4-Chloro-3-methylphenol	2990	11	660	"	3330	ND	90	27-109			
2-Chlorophenol	2530	16	330	"	3330	ND	76	24-98			
1,4-Dichlorobenzene	2260	15	330	"	3330	ND	68	24-89			
2,4-Dinitrotoluene	3410	20	330	"	3330	ND	102	35-110			
4-Nitrophenol	2840	23	1700	"	3330	ND	85	20-110			
N-Nitrosodi-n-propylamine	2650	15	330	"	3330	ND	80	23-109			
Pentachlorophenol	2970	12	1700	"	3330	ND	89	25-123			
Phenol	2430	12	330	"	3330	ND	73	19-100			
Pyrene	3360	12	330	"	3330	180	95	12-131			
1,2,4-Trichlorobenzene	2630	15	330	"	3330	ND	79	17-110			

<i>Surrogate: 2-Fluorophenol</i>	3310			"	5000		66	11-120			
<i>Surrogate: Phenol-d6</i>	3530			"	5000		71	16-130			
<i>Surrogate: Nitrobenzene-d5</i>	2580			"	3330		77	16-126			
<i>Surrogate: 2-Fluorobiphenyl</i>	2410			"	3330		72	28-134			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4420			"	5000		88	51-144			
<i>Surrogate: Terphenyl-d14</i>	3360			"	3330		101	64-119			

Matrix Spike Dup (3080086-MSD1)
Source: P308025-02

Prepared: 08/13/03 Analyzed: 08/15/03

Acenaphthene	2890	8.7	330	ug/kg	3330	ND	87	30-110	5	26	
4-Chloro-3-methylphenol	3110	11	660	"	3330	ND	93	27-109	4	21	
2-Chlorophenol	2590	16	330	"	3330	ND	78	24-98	2	27	
1,4-Dichlorobenzene	2320	15	330	"	3330	ND	70	24-89	3	25	
2,4-Dinitrotoluene	3470	20	330	"	3330	ND	104	35-110	2	15	
4-Nitrophenol	2930	23	1700	"	3330	ND	88	20-110	3	23	
N-Nitrosodi-n-propylamine	2770	15	330	"	3330	ND	83	23-109	4	31	
Pentachlorophenol	2960	12	1700	"	3330	ND	89	25-123	0.3	43	
Phenol	2480	12	330	"	3330	ND	74	19-100	2	21	
Pyrene	3430	12	330	"	3330	180	98	12-131	2	26	
1,2,4-Trichlorobenzene	2720	15	330	"	3330	ND	82	17-110	3	30	

<i>Surrogate: 2-Fluorophenol</i>	3330			"	5000		67	11-120			
<i>Surrogate: Phenol-d6</i>	3640			"	5000		73	16-130			

Sequoia Analytical - Petaluma

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Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento CA, 95833	Project: Aerojet RI/FS Project Number: N/A Project Manager: Bruce Lewis	P308025 Reported: 08/25/03 15:56
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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080086 - EPA 3550A Sonication

Matrix Spike Dup (3080086-MSD1) **Source: P308025-02** Prepared: 08/13/03 Analyzed: 08/15/03

Surrogate: Nitrobenzene-d5	2620			ug/kg	3330		79	16-126			
Surrogate: 2-Fluorobiphenyl	2550			"	3330		77	28-134			
Surrogate: 2,4,6-Tribromophenol	4400			"	5000		88	51-144			
Surrogate: Terphenyl-d14	3440			"	3330		103	64-119			

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

Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308025
Reported:
08/25/03 15:56

Notes and Definitions

J	Estimated value.
Q-LIM	The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.
QR-07	The RPD was outside control limits. The results may still be useful for their intended purpose.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
R-06	The reporting limits for this analysis are raised due to the inability to concentrate the extract to the appropriate final volume.
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