

**Geomatrix Consultants**

May 16, 2005

2101 Webster Street, 12th Floor  
Oakland, CA 94612

Attn.: Matt Goerz

Project#: 6257.000/4

Attached is our report for your samples received on 04/30/2005 09:45

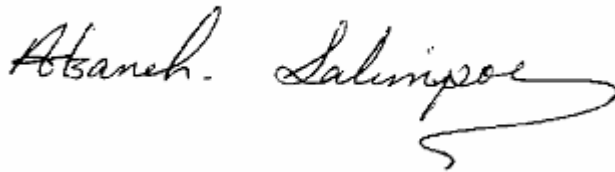
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 06/14/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: [asalimpour@stl-inc.com](mailto:asalimpour@stl-inc.com)

Sincerely,



Afsaneh Salimpour  
Project Manager

**PNA analysis by 8270C/SIM GC/MS**

Geomatrix Consultants

Attn.: Matt Goerz

2101 Webster Street, 12th Floor

Oakland, CA 94612

Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257.000/4

Received: 04/30/2005 09:45

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-51-0.5	04/29/2005 14:10	Soil	1
SB-52-0.5	04/29/2005 11:40	Soil	4
SB-53-0.5	04/29/2005 13:00	Soil	7
SB-54-0.5	04/29/2005 15:00	Soil	10

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-51-0.5</b>	Lab ID:	2005-04-0903 - 1
Sampled:	04/29/2005 14:10	Extracted:	5/6/2005 05:50
Matrix:	Soil	QC Batch#:	2005/05/06-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/06/2005 17:01	
Acenaphthylene	ND	5.0	ug/Kg	1.00	05/06/2005 17:01	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/06/2005 17:01	
Fluorene	ND	5.0	ug/Kg	1.00	05/06/2005 17:01	
Phenanthrene	8.1	5.0	ug/Kg	1.00	05/06/2005 17:01	
Anthracene	5.2	5.0	ug/Kg	1.00	05/06/2005 17:01	
Fluoranthene	23	5.0	ug/Kg	1.00	05/06/2005 17:01	
Pyrene	29	5.0	ug/Kg	1.00	05/06/2005 17:01	
Benzo(a)anthracene	13	5.0	ug/Kg	1.00	05/06/2005 17:01	
Chrysene	23	5.0	ug/Kg	1.00	05/06/2005 17:01	
Benzo(b)fluoranthene	30	5.0	ug/Kg	1.00	05/06/2005 17:01	
Benzo(k)fluoranthene	7.1	5.0	ug/Kg	1.00	05/06/2005 17:01	
Benzo(a)pyrene	12	5.0	ug/Kg	1.00	05/06/2005 17:01	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	1.00	05/06/2005 17:01	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/06/2005 17:01	
Benzo(g,h,i)perylene	18	5.0	ug/Kg	1.00	05/06/2005 17:01	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	69.3	30-115	%	1.00	05/06/2005 17:01	
p-Terphenyl-d14	68.1	18-137	%	1.00	05/06/2005 17:01	

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Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-52-0.5</b>	Lab ID:	2005-04-0903 - 4
Sampled:	04/29/2005 11:40	Extracted:	5/6/2005 05:50
Matrix:	Soil	QC Batch#:	2005/05/06-01.40
Analysis Flag: S2 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	100	ug/Kg	20.00	05/08/2005 00:52	
Acenaphthylene	110	100	ug/Kg	20.00	05/08/2005 00:52	
Acenaphthene	ND	100	ug/Kg	20.00	05/08/2005 00:52	
Fluorene	ND	100	ug/Kg	20.00	05/08/2005 00:52	
Phenanthrene	ND	100	ug/Kg	20.00	05/08/2005 00:52	
Anthracene	270	100	ug/Kg	20.00	05/08/2005 00:52	
Fluoranthene	2700	100	ug/Kg	20.00	05/08/2005 00:52	
Pyrene	2800	100	ug/Kg	20.00	05/08/2005 00:52	
Benzo(a)anthracene	1300	100	ug/Kg	20.00	05/08/2005 00:52	
Chrysene	1900	100	ug/Kg	20.00	05/08/2005 00:52	
Benzo(b)fluoranthene	1700	100	ug/Kg	20.00	05/08/2005 00:52	
Benzo(k)fluoranthene	510	100	ug/Kg	20.00	05/08/2005 00:52	
Benzo(a)pyrene	960	100	ug/Kg	20.00	05/08/2005 00:52	
Indeno(1,2,3-c,d)pyrene	520	100	ug/Kg	20.00	05/08/2005 00:52	
Dibenzo(a,h)anthracene	270	100	ug/Kg	20.00	05/08/2005 00:52	
Benzo(g,h,i)perylene	670	100	ug/Kg	20.00	05/08/2005 00:52	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	NA	30-115	%	20.00	05/08/2005 00:52	
p-Terphenyl-d14	NA	18-137	%	20.00	05/08/2005 00:52	

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Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-53-0.5</b>	Lab ID:	2005-04-0903 - 7
Sampled:	04/29/2005 13:00	Extracted:	5/6/2005 05:50
Matrix:	Soil	QC Batch#:	2005/05/06-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/08/2005 00:15	
Acenaphthylene	13	5.0	ug/Kg	1.00	05/08/2005 00:15	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/08/2005 00:15	
Fluorene	8.1	5.0	ug/Kg	1.00	05/08/2005 00:15	
Phenanthrene	14	5.0	ug/Kg	1.00	05/08/2005 00:15	
Anthracene	33	5.0	ug/Kg	1.00	05/08/2005 00:15	
Fluoranthene	27	5.0	ug/Kg	1.00	05/08/2005 00:15	
Pyrene	33	5.0	ug/Kg	1.00	05/08/2005 00:15	
Benzo(a)anthracene	22	5.0	ug/Kg	1.00	05/08/2005 00:15	
Chrysene	55	5.0	ug/Kg	1.00	05/08/2005 00:15	
Benzo(b)fluoranthene	130	5.0	ug/Kg	1.00	05/08/2005 00:15	
Benzo(k)fluoranthene	57	5.0	ug/Kg	1.00	05/08/2005 00:15	
Benzo(a)pyrene	62	5.0	ug/Kg	1.00	05/08/2005 00:15	
Indeno(1,2,3-c,d)pyrene	73	5.0	ug/Kg	1.00	05/08/2005 00:15	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/08/2005 00:15	
Benzo(g,h,i)perylene	110	5.0	ug/Kg	1.00	05/08/2005 00:15	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	68.2	30-115	%	1.00	05/08/2005 00:15	
p-Terphenyl-d14	76.2	18-137	%	1.00	05/08/2005 00:15	

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Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-54-0.5</b>	Lab ID:	2005-04-0903 - 10
Sampled:	04/29/2005 15:00	Extracted:	5/6/2005 05:50
Matrix:	Soil	QC Batch#:	2005/05/06-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/08/2005 00:34	
Acenaphthylene	15	5.0	ug/Kg	1.00	05/08/2005 00:34	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/08/2005 00:34	
Fluorene	ND	5.0	ug/Kg	1.00	05/08/2005 00:34	
Phenanthrene	18	5.0	ug/Kg	1.00	05/08/2005 00:34	
Anthracene	34	5.0	ug/Kg	1.00	05/08/2005 00:34	
Fluoranthene	51	5.0	ug/Kg	1.00	05/08/2005 00:34	
Pyrene	52	5.0	ug/Kg	1.00	05/08/2005 00:34	
Benzo(a)anthracene	60	5.0	ug/Kg	1.00	05/08/2005 00:34	
Chrysene	100	5.0	ug/Kg	1.00	05/08/2005 00:34	
Benzo(b)fluoranthene	88	5.0	ug/Kg	1.00	05/08/2005 00:34	
Benzo(k)fluoranthene	31	5.0	ug/Kg	1.00	05/08/2005 00:34	
Benzo(a)pyrene	54	5.0	ug/Kg	1.00	05/08/2005 00:34	
Indeno(1,2,3-c,d)pyrene	52	5.0	ug/Kg	1.00	05/08/2005 00:34	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/08/2005 00:34	
Benzo(g,h,i)perylene	73	5.0	ug/Kg	1.00	05/08/2005 00:34	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	68.1	30-115	%	1.00	05/08/2005 00:34	
p-Terphenyl-d14	70.4	18-137	%	1.00	05/08/2005 00:34	

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Batch QC Report**

Prep(s): 3550B/8270C-SIM

Test(s): 8270C-SIM

**Method Blank**

**Soil**

**QC Batch # 2005/05/06-01.40**

MB: 2005/05/06-01.40-001

Date Extracted: 05/06/2005 05:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	05/06/2005 14:51	
Acenaphthylene	ND	5.0	ug/Kg	05/06/2005 14:51	
Acenaphthene	ND	5.0	ug/Kg	05/06/2005 14:51	
Fluorene	ND	5.0	ug/Kg	05/06/2005 14:51	
Phenanthrene	ND	5.0	ug/Kg	05/06/2005 14:51	
Anthracene	ND	5.0	ug/Kg	05/06/2005 14:51	
Fluoranthene	ND	5.0	ug/Kg	05/06/2005 14:51	
Pyrene	ND	5.0	ug/Kg	05/06/2005 14:51	
Benzo(a)anthracene	ND	5.0	ug/Kg	05/06/2005 14:51	
Chrysene	ND	5.0	ug/Kg	05/06/2005 14:51	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	05/06/2005 14:51	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	05/06/2005 14:51	
Benzo(a)pyrene	ND	5.0	ug/Kg	05/06/2005 14:51	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	05/06/2005 14:51	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	05/06/2005 14:51	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	05/06/2005 14:51	
<b>Surrogates(s)</b>					
2-Fluorobiphenyl	59.7	30-115	%	05/06/2005 14:51	
p-Terphenyl-d14	67.9	18-137	%	05/06/2005 14:51	

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Received: 04/30/2005 09:45

Batch QC Report			
Prep(s): 3550B/8270C-SIM		Test(s): 8270C-SIM	
<b>Laboratory Control Spike</b>		<b>Soil</b>	<b>QC Batch # 2005/05/06-01.40</b>
LCS	2005/05/06-01.40-002	Extracted: 05/06/2005	Analyzed: 05/06/2005 15:10
LCSD	2005/05/06-01.40-003	Extracted: 05/06/2005	Analyzed: 05/06/2005 15:29

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Acenaphthene	208	217	333	62.5	65.2	4.2	50-150	30		
Phenanthrene	205	223	333	61.6	67.0	8.4	50-150	30		
Pyrene	228	254	333	68.5	76.3	10.8	50-150	30		
Chrysene	255	279	333	76.6	83.8	9.0	50-150	30		
Benzo(a)pyrene	211	246	333	63.4	73.9	15.3	50-150	30		
<b>Surrogates(s)</b>										
2-Fluorobiphenyl	6.63	6.96	10	66.3	69.6		30-115			
p-Terphenyl-d14	7.49	8.30	10	74.9	83.0		18-137			



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Project: 6257.000/4

Received: 04/30/2005 09:45

**Batch QC Report**

Prep(s): 3550B/8270C-SIM	Test(s): 8270C-SIM
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>
SB-51-0.5 >> MS	<b>QC Batch # 2005/05/06-01.40</b>
MS: 2005/05/06-01.40-009	Extracted: 05/06/2005
MSD: 2005/05/06-01.40-010	Extracted: 05/06/2005
	Lab ID: 2005-04-0903 - 001
	Analyzed: 05/06/2005 17:20
	Dilution: 1.00
	Analyzed: 05/06/2005 17:38
	Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Acenaphthene	215	233	ND	331	65.0	70.4	8.0	50-150	30		
Phenanthrene	222	235	8.09	331	64.6	71.0	9.4	50-150	30		
Pyrene	259	263	29.3	331	69.4	79.5	13.6	50-150	30		
Chrysene	279	286	22.6	331	77.5	86.4	10.9	50-150	30		
Benzo(a)pyrene	253	269	12.3	331	72.7	81.3	11.2	50-150	30		
<b>Surrogate(s)</b>											
2-Fluorobiphenyl	7.51	7.82		10	75.1	78.2		30-115			
p-Terphenyl-d14	8.29	8.00		10	82.9	80.0		18-137			

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s):	3550B/8270C-SIM		Test(s): 8270C-SIM
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>		<b>QC Batch # 2005/05/06-01.40</b>
MS/MSD			Lab ID: 2005-04-0905 - 008
MS: 2005/05/06-01.40-022	Extracted: 05/06/2005		Analyzed: 05/06/2005 22:53
			Dilution: 1.00
MSD: 2005/05/06-01.40-023	Extracted: 05/06/2005		Analyzed: 05/06/2005 23:11
			Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Acenaphthene	196	215	ND	332	59.0	65.3	10.1	50-150	30		
Phenanthrene	203	225	ND	332	61.1	68.4	11.3	50-150	30		
Pyrene	224	242	5.05	332	65.9	73.6	11.0	50-150	30		
Chrysene	256	265	ND	332	77.1	80.5	4.3	50-150	30		
Benzo(a)pyrene	232	258	7.91	332	67.5	78.4	14.9	50-150	30		
<b>Surrogate(s)</b>											
2-Fluorobiphenyl	6.25	7.04		10	62.5	70.4		30-115			
p-Terphenyl-d14	7.37	8.58		10	73.7	85.8		18-137			

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**Legend and Notes**

**Analysis Flag**

S2

Surrogate(s) diluted out.

**CAM 17 Metals**

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Project: 6257.000/4

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**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-51-0.5	04/29/2005 14:10	Soil	1
SB-52-0.5	04/29/2005 11:40	Soil	4
SB-53-0.5	04/29/2005 13:00	Soil	7
SB-54-0.5	04/29/2005 15:00	Soil	10

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	<b>SB-51-0.5</b>	Lab ID:	2005-04-0903 - 1
Sampled:	04/29/2005 14:10	Extracted:	5/6/2005 11:08 5/6/2005 11:11
Matrix:	Soil	QC Batch#:	2005/05/06-02.15 2005/05/06-02.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/06/2005 18:43	
Arsenic	10	1.0	mg/Kg	1.00	05/06/2005 18:43	
Barium	89	1.0	mg/Kg	1.00	05/06/2005 18:43	
Beryllium	ND	0.50	mg/Kg	1.00	05/06/2005 18:43	
Cadmium	1.3	0.50	mg/Kg	1.00	05/06/2005 18:43	
Chromium	22	1.0	mg/Kg	1.00	05/06/2005 18:43	
Cobalt	4.6	1.0	mg/Kg	1.00	05/06/2005 18:43	
Copper	42	1.0	mg/Kg	1.00	05/06/2005 18:43	
Lead	35	1.0	mg/Kg	1.00	05/06/2005 18:43	
Molybdenum	ND	1.0	mg/Kg	1.00	05/06/2005 18:43	
Nickel	16	1.0	mg/Kg	1.00	05/06/2005 18:43	
Selenium	ND	2.0	mg/Kg	1.00	05/06/2005 18:43	
Silver	ND	1.0	mg/Kg	1.00	05/06/2005 18:43	
Thallium	ND	1.0	mg/Kg	1.00	05/06/2005 18:43	
Vanadium	17	1.0	mg/Kg	1.00	05/06/2005 18:43	
Zinc	130	1.0	mg/Kg	1.00	05/06/2005 18:43	
Mercury	0.15	0.050	mg/Kg	1.00	05/09/2005 10:50	

**CAM 17 Metals**

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Received: 04/30/2005 09:45

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	<b>SB-52-0.5</b>	Lab ID:	2005-04-0903 - 4
Sampled:	04/29/2005 11:40	Extracted:	5/6/2005 11:08 5/6/2005 11:11
Matrix:	Soil	QC Batch#:	2005/05/06-02.15 2005/05/06-02.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/06/2005 18:47	
Arsenic	65	1.0	mg/Kg	1.00	05/06/2005 18:47	
Barium	69	1.0	mg/Kg	1.00	05/06/2005 18:47	
Beryllium	ND	0.50	mg/Kg	1.00	05/06/2005 18:47	
Cadmium	1.5	0.50	mg/Kg	1.00	05/06/2005 18:47	
Chromium	27	1.0	mg/Kg	1.00	05/06/2005 18:47	
Cobalt	9.0	1.0	mg/Kg	1.00	05/06/2005 18:47	
Copper	59	1.0	mg/Kg	1.00	05/06/2005 18:47	
Lead	29	1.0	mg/Kg	1.00	05/06/2005 18:47	
Molybdenum	ND	1.0	mg/Kg	1.00	05/06/2005 18:47	
Nickel	18	1.0	mg/Kg	1.00	05/06/2005 18:47	
Selenium	ND	2.0	mg/Kg	1.00	05/06/2005 18:47	
Silver	ND	1.0	mg/Kg	1.00	05/06/2005 18:47	
Thallium	ND	1.0	mg/Kg	1.00	05/06/2005 18:47	
Vanadium	43	1.0	mg/Kg	1.00	05/06/2005 18:47	
Zinc	45	1.0	mg/Kg	1.00	05/06/2005 18:47	
Mercury	ND	0.050	mg/Kg	1.00	05/09/2005 10:54	

**CAM 17 Metals**

Geomatrix Consultants

Attn.: Matt Goerz

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Oakland, CA 94612  
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	<b>SB-53-0.5</b>	Lab ID:	2005-04-0903 - 7
Sampled:	04/29/2005 13:00	Extracted:	5/6/2005 11:08 5/6/2005 11:11
Matrix:	Soil	QC Batch#:	2005/05/06-02.15 2005/05/06-02.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/06/2005 18:50	
Arsenic	32	1.0	mg/Kg	1.00	05/06/2005 18:50	
Barium	47	1.0	mg/Kg	1.00	05/06/2005 18:50	
Beryllium	ND	0.50	mg/Kg	1.00	05/06/2005 18:50	
Cadmium	1.1	0.50	mg/Kg	1.00	05/06/2005 18:50	
Chromium	16	1.0	mg/Kg	1.00	05/06/2005 18:50	
Cobalt	6.3	1.0	mg/Kg	1.00	05/06/2005 18:50	
Copper	39	1.0	mg/Kg	1.00	05/06/2005 18:50	
Lead	26	1.0	mg/Kg	1.00	05/06/2005 18:50	
Molybdenum	ND	1.0	mg/Kg	1.00	05/06/2005 18:50	
Nickel	15	1.0	mg/Kg	1.00	05/06/2005 18:50	
Selenium	ND	2.0	mg/Kg	1.00	05/06/2005 18:50	
Silver	ND	1.0	mg/Kg	1.00	05/06/2005 18:50	
Thallium	ND	1.0	mg/Kg	1.00	05/06/2005 18:50	
Vanadium	26	1.0	mg/Kg	1.00	05/06/2005 18:50	
Zinc	69	1.0	mg/Kg	1.00	05/06/2005 18:50	
Mercury	0.11	0.050	mg/Kg	1.00	05/09/2005 10:55	

**CAM 17 Metals**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	<b>SB-54-0.5</b>	Lab ID:	2005-04-0903 - 10
Sampled:	04/29/2005 15:00	Extracted:	5/6/2005 11:08 5/6/2005 11:11
Matrix:	Soil	QC Batch#:	2005/05/06-02.15 2005/05/06-02.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/06/2005 18:54	
Arsenic	2.5	1.0	mg/Kg	1.00	05/06/2005 18:54	
Barium	62	1.0	mg/Kg	1.00	05/06/2005 18:54	
Beryllium	ND	0.50	mg/Kg	1.00	05/06/2005 18:54	
Cadmium	ND	0.50	mg/Kg	1.00	05/06/2005 18:54	
Chromium	12	1.0	mg/Kg	1.00	05/06/2005 18:54	
Cobalt	1.8	1.0	mg/Kg	1.00	05/06/2005 18:54	
Copper	42	1.0	mg/Kg	1.00	05/06/2005 18:54	
Lead	8.3	1.0	mg/Kg	1.00	05/06/2005 18:54	
Molybdenum	ND	1.0	mg/Kg	1.00	05/06/2005 18:54	
Nickel	5.7	1.0	mg/Kg	1.00	05/06/2005 18:54	
Selenium	ND	2.0	mg/Kg	1.00	05/06/2005 18:54	
Silver	ND	1.0	mg/Kg	1.00	05/06/2005 18:54	
Thallium	ND	1.0	mg/Kg	1.00	05/06/2005 18:54	
Vanadium	11	1.0	mg/Kg	1.00	05/06/2005 18:54	
Zinc	41	1.0	mg/Kg	1.00	05/06/2005 18:54	
Mercury	ND	0.050	mg/Kg	1.00	05/09/2005 10:56	



**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Batch QC Report**

Prep(s): 3050B

Test(s): 6010B

**Method Blank**

**Soil**

**QC Batch # 2005/05/06-02.15**

MB: 2005/05/06-02.15-086

Date Extracted: 05/06/2005 11:08

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	05/06/2005 18:04	
Arsenic	ND	1.0	mg/Kg	05/06/2005 18:04	
Barium	ND	1.0	mg/Kg	05/06/2005 18:04	
Beryllium	ND	0.50	mg/Kg	05/06/2005 18:04	
Cadmium	ND	0.50	mg/Kg	05/06/2005 18:04	
Chromium	ND	1.0	mg/Kg	05/06/2005 18:04	
Cobalt	ND	1.0	mg/Kg	05/06/2005 18:04	
Copper	ND	1.0	mg/Kg	05/06/2005 18:04	
Lead	ND	1.0	mg/Kg	05/06/2005 18:04	
Molybdenum	ND	1.0	mg/Kg	05/06/2005 18:04	
Nickel	ND	1.0	mg/Kg	05/06/2005 18:04	
Selenium	ND	2.0	mg/Kg	05/06/2005 18:04	
Silver	ND	1.0	mg/Kg	05/06/2005 18:04	
Thallium	ND	1.0	mg/Kg	05/06/2005 18:04	
Vanadium	ND	1.0	mg/Kg	05/06/2005 18:04	
Zinc	ND	1.0	mg/Kg	05/06/2005 18:04	

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report					
Prep(s): 7471A		Test(s): 7471A			
<b>Method Blank</b>		<b>Soil</b>		<b>QC Batch # 2005/05/06-02.16</b>	
MB: 2005/05/06-02.16-036			Date Extracted: 05/06/2005 11:11		
Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	05/09/2005 10:39	

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s): 3050B		Test(s): 6010B	
<b>Laboratory Control Spike</b>	<b>Soil</b>	<b>QC Batch # 2005/05/06-02.15</b>	
LCS 2005/05/06-02.15-087	Extracted: 05/06/2005	Analyzed: 05/06/2005 18:07	
LCSD 2005/05/06-02.15-088	Extracted: 05/06/2005	Analyzed: 05/06/2005 18:10	

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Antimony	91.9	95.9	100.0	91.9	95.9	4.3	80-120	20		
Arsenic	101	102	100.0	101.0	102.0	1.0	80-120	20		
Barium	103	104	100.0	103.0	104.0	1.0	80-120	20		
Beryllium	102	102	100.0	102.0	102.0	0.0	80-120	20		
Cadmium	99.6	101	100.0	99.6	101.0	1.4	80-120	20		
Chromium	103	103	100.0	103.0	103.0	0.0	80-120	20		
Cobalt	101	102	100.0	101.0	102.0	1.0	80-120	20		
Copper	104	104	100.0	104.0	104.0	0.0	80-120	20		
Lead	99.0	99.3	100.0	99.0	99.3	0.3	80-120	20		
Molybdenum	103	105	100.0	103.0	105.0	1.9	80-120	20		
Nickel	100	101	100.0	100.0	101.0	1.0	80-120	20		
Selenium	101	103	100.0	101.0	103.0	2.0	80-120	20		
Silver	103	104	100.0	103.0	104.0	1.0	80-120	20		
Thallium	102	103	100.0	102.0	103.0	1.0	80-120	20		
Vanadium	103	104	100.0	103.0	104.0	1.0	80-120	20		
Zinc	100	101	100.0	100.0	101.0	1.0	80-120	20		

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report										
Prep(s): 7471A						Test(s): 7471A				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/05/06-02.16</b>				
LCS	2005/05/06-02.16-037		Extracted: 05/06/2005			Analyzed: 05/09/2005 10:40				
LCSD	2005/05/06-02.16-038		Extracted: 05/06/2005			Analyzed: 05/09/2005 10:42				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Mercury	0.531	0.519	0.500	106.2	103.8	2.3	85-115	20		

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Batch QC Report**

Prep(s): 3050B	Test(s): 6010B	
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2005/05/06-02.15</b>
MS/MSD		Lab ID: 2005-04-0904 - 005
MS: 2005/05/06-02.15-090	Extracted: 05/06/2005	Analyzed: 05/06/2005 18:18
		Dilution: 1.00
MSD: 2005/05/06-02.15-091	Extracted: 05/06/2005	Analyzed: 05/06/2005 18:28
		Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Antimony	40.8	41.0	3.64	98.0	37.9	38.8	2.3	75-125	20	M5	M5
Arsenic	87.4	84.5	2.26	98.0	86.9	85.5	1.6	75-125	20		
Barium	145	143	38.2	98.0	109.0	108.9	0.1	75-125	20		
Beryllium	89.7	86.8	ND	98.0	91.5	90.2	1.4	75-125	20		
Cadmium	88.0	84.9	0.643	98.0	89.1	87.6	1.7	75-125	20		
Chromium	111	107	17.8	98.0	95.1	92.7	2.6	75-125	20		
Cobalt	88.6	85.5	1.19	98.0	89.2	87.6	1.8	75-125	20		
Copper	96.6	93.4	3.75	98.0	94.7	93.2	1.6	75-125	20		
Lead	89.2	86.1	3.25	98.0	87.7	86.1	1.8	75-125	20		
Molybdenum	83.3	80.9	ND	98.0	85.0	84.1	1.1	75-125	20		
Nickel	94.2	90.8	5.56	98.0	90.4	88.6	2.0	75-125	20		
Selenium	86.6	82.3	ND	98.0	88.4	85.6	3.2	75-125	20		
Silver	92.4	89.4	ND	98.0	94.3	92.9	1.5	75-125	20		
Thallium	87.6	84.8	ND	98.0	89.4	88.1	1.5	75-125	20		
Vanadium	107	103	19.0	98.0	89.8	87.3	2.8	75-125	20		
Zinc	98.8	94.9	8.85	98.0	91.8	89.4	2.6	75-125	20		

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s):	7471A	Test(s):	7471A
<b>Matrix Spike ( MS / MSD )</b>		<b>Soil</b>	<b>QC Batch # 2005/05/06-02.16</b>
MS/MSD		Lab ID:	2005-04-0904 - 005
MS: 2005/05/06-02.16-040		Extracted:	05/06/2005
		Analyzed:	05/09/2005 10:44
		Dilution:	1.00
MSD: 2005/05/06-02.16-041		Extracted:	05/06/2005
		Analyzed:	05/09/2005 10:45
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Mercury	0.533	0.514	ND	0.481	110.8	108.0	2.6	85-115	20		

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-51-1.5	04/29/2005 14:20	Soil	2
SB-52-1.5	04/29/2005 11:50	Soil	5
SB-53-1.5	04/29/2005 13:10	Soil	8
SB-54-1.5	04/29/2005 15:05	Soil	11

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	5035	Test(s):	8260B
Sample ID:	<b>SB-51-1.5</b>	Lab ID:	2005-04-0903 - 2
Sampled:	04/29/2005 14:20	Extracted:	5/9/2005 17:19
Matrix:	Soil	QC Batch#:	2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Acetone	ND	50	ug/Kg	1.00	05/09/2005 17:19	
Benzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Bromochloromethane	ND	20	ug/Kg	1.00	05/09/2005 17:19	
Bromoform	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Bromomethane	ND	10	ug/Kg	1.00	05/09/2005 17:19	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/09/2005 17:19	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Chloroethane	ND	10	ug/Kg	1.00	05/09/2005 17:19	
Chloroform	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Chloromethane	ND	10	ug/Kg	1.00	05/09/2005 17:19	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/09/2005 17:19	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/09/2005 17:19	
Dibromomethane	ND	10	ug/Kg	1.00	05/09/2005 17:19	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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05/10/2005 15:14



**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>SB-51-1.5</b>	Lab ID: 2005-04-0903 - 2
Sampled: 04/29/2005 14:20	Extracted: 5/9/2005 17:19
Matrix: Soil	QC Batch#: 2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/09/2005 17:19	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
2-Hexanone	ND	50	ug/Kg	1.00	05/09/2005 17:19	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Methylene chloride	ND	10	ug/Kg	1.00	05/09/2005 17:19	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/09/2005 17:19	
Naphthalene	ND	10	ug/Kg	1.00	05/09/2005 17:19	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Styrene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Toluene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	

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05/10/2005 15:14

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>SB-51-1.5</b>	Lab ID: 2005-04-0903 - 2
Sampled: 04/29/2005 14:20	Extracted: 5/9/2005 17:19
Matrix: Soil	QC Batch#: 2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Vinyl acetate	ND	50	ug/Kg	1.00	05/09/2005 17:19	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
Total xylenes	ND	5.0	ug/Kg	1.00	05/09/2005 17:19	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	121.5	60-130	%	1.00	05/09/2005 17:19	
1,2-Dichloroethane-d4	87.3	60-140	%	1.00	05/09/2005 17:19	
Toluene-d8	98.2	70-130	%	1.00	05/09/2005 17:19	

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

Attn.: Matt Goerz

2101 Webster Street, 12th Floor  
Oakland, CA 94612  
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	5035	Test(s):	8260B
Sample ID:	<b>SB-52-1.5</b>	Lab ID:	2005-04-0903 - 5
Sampled:	04/29/2005 11:50	Extracted:	5/9/2005 22:13
Matrix:	Soil	QC Batch#:	2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Acetone	ND	50	ug/Kg	1.00	05/09/2005 22:13	
Benzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Bromochloromethane	ND	20	ug/Kg	1.00	05/09/2005 22:13	
Bromoform	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Bromomethane	ND	10	ug/Kg	1.00	05/09/2005 22:13	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/09/2005 22:13	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Chloroethane	ND	10	ug/Kg	1.00	05/09/2005 22:13	
Chloroform	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Chloromethane	ND	10	ug/Kg	1.00	05/09/2005 22:13	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/09/2005 22:13	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/09/2005 22:13	
Dibromomethane	ND	10	ug/Kg	1.00	05/09/2005 22:13	

**Volatile Organic Compounds by 8260B (Low Level)**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>SB-52-1.5</b>	Lab ID: 2005-04-0903 - 5
Sampled: 04/29/2005 11:50	Extracted: 5/9/2005 22:13
Matrix: Soil	QC Batch#: 2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/09/2005 22:13	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
2-Hexanone	ND	50	ug/Kg	1.00	05/09/2005 22:13	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Methylene chloride	ND	10	ug/Kg	1.00	05/09/2005 22:13	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/09/2005 22:13	
Naphthalene	ND	10	ug/Kg	1.00	05/09/2005 22:13	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Styrene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Toluene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	

**Volatile Organic Compounds by 8260B (Low Level)**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>SB-52-1.5</b>	Lab ID: 2005-04-0903 - 5
Sampled: 04/29/2005 11:50	Extracted: 5/9/2005 22:13
Matrix: Soil	QC Batch#: 2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Vinyl acetate	ND	50	ug/Kg	1.00	05/09/2005 22:13	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
Total xylenes	ND	5.0	ug/Kg	1.00	05/09/2005 22:13	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	114.0	60-130	%	1.00	05/09/2005 22:13	
1,2-Dichloroethane-d4	102.0	60-140	%	1.00	05/09/2005 22:13	
Toluene-d8	106.8	70-130	%	1.00	05/09/2005 22:13	

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	5035	Test(s):	8260B
Sample ID:	<b>SB-53-1.5</b>	Lab ID:	2005-04-0903 - 8
Sampled:	04/29/2005 13:10	Extracted:	5/9/2005 22:45
Matrix:	Soil	QC Batch#:	2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Acetone	ND	50	ug/Kg	1.00	05/09/2005 22:45	
Benzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Bromochloromethane	ND	20	ug/Kg	1.00	05/09/2005 22:45	
Bromoform	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Bromomethane	ND	10	ug/Kg	1.00	05/09/2005 22:45	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/09/2005 22:45	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Chloroethane	ND	10	ug/Kg	1.00	05/09/2005 22:45	
Chloroform	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Chloromethane	ND	10	ug/Kg	1.00	05/09/2005 22:45	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/09/2005 22:45	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/09/2005 22:45	
Dibromomethane	ND	10	ug/Kg	1.00	05/09/2005 22:45	

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05/10/2005 15:14

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**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

Attn.: Matt Goerz

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Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>SB-53-1.5</b>	Lab ID: 2005-04-0903 - 8
Sampled: 04/29/2005 13:10	Extracted: 5/9/2005 22:45
Matrix: Soil	QC Batch#: 2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/09/2005 22:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
2-Hexanone	ND	50	ug/Kg	1.00	05/09/2005 22:45	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Methylene chloride	ND	10	ug/Kg	1.00	05/09/2005 22:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/09/2005 22:45	
Naphthalene	ND	10	ug/Kg	1.00	05/09/2005 22:45	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Styrene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Toluene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

05/10/2005 15:14

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

Attn.: Matt Goerz

2101 Webster Street, 12th Floor  
Oakland, CA 94612  
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>SB-53-1.5</b>	Lab ID: 2005-04-0903 - 8
Sampled: 04/29/2005 13:10	Extracted: 5/9/2005 22:45
Matrix: Soil	QC Batch#: 2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Vinyl acetate	ND	50	ug/Kg	1.00	05/09/2005 22:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
Total xylenes	ND	5.0	ug/Kg	1.00	05/09/2005 22:45	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	121.6	60-130	%	1.00	05/09/2005 22:45	
1,2-Dichloroethane-d4	104.5	60-140	%	1.00	05/09/2005 22:45	
Toluene-d8	96.1	70-130	%	1.00	05/09/2005 22:45	



**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

Attn.: Matt Goerz

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Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	5035	Test(s):	8260B
Sample ID:	<b>SB-54-1.5</b>	Lab ID:	2005-04-0903 - 11
Sampled:	04/29/2005 15:05	Extracted:	5/9/2005 23:18
Matrix:	Soil	QC Batch#:	2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Acetone	ND	50	ug/Kg	1.00	05/09/2005 23:18	
Benzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Bromochloromethane	ND	20	ug/Kg	1.00	05/09/2005 23:18	
Bromoform	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Bromomethane	ND	10	ug/Kg	1.00	05/09/2005 23:18	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/09/2005 23:18	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Chloroethane	ND	10	ug/Kg	1.00	05/09/2005 23:18	
Chloroform	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Chloromethane	ND	10	ug/Kg	1.00	05/09/2005 23:18	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/09/2005 23:18	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/09/2005 23:18	
Dibromomethane	ND	10	ug/Kg	1.00	05/09/2005 23:18	

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**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>SB-54-1.5</b>	Lab ID: 2005-04-0903 - 11
Sampled: 04/29/2005 15:05	Extracted: 5/9/2005 23:18
Matrix: Soil	QC Batch#: 2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/09/2005 23:18	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
2-Hexanone	ND	50	ug/Kg	1.00	05/09/2005 23:18	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Methylene chloride	ND	10	ug/Kg	1.00	05/09/2005 23:18	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/09/2005 23:18	
Naphthalene	ND	10	ug/Kg	1.00	05/09/2005 23:18	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Styrene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Toluene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	

Severn Trent Laboratories, Inc.

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05/10/2005 15:14

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

Attn.: Matt Goerz

2101 Webster Street, 12th Floor  
Oakland, CA 94612  
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>SB-54-1.5</b>	Lab ID: 2005-04-0903 - 11
Sampled: 04/29/2005 15:05	Extracted: 5/9/2005 23:18
Matrix: Soil	QC Batch#: 2005/05/09-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Vinyl acetate	ND	50	ug/Kg	1.00	05/09/2005 23:18	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
Total xylenes	ND	5.0	ug/Kg	1.00	05/09/2005 23:18	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	119.8	60-130	%	1.00	05/09/2005 23:18	
1,2-Dichloroethane-d4	99.6	60-140	%	1.00	05/09/2005 23:18	
Toluene-d8	94.3	70-130	%	1.00	05/09/2005 23:18	

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/05/09-01.70**

MB: 2005/05/09-01.70-038

Date Extracted: 05/09/2005 14:38

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	05/09/2005 14:38	
Acetone	ND	50	ug/Kg	05/09/2005 14:38	
Benzene	ND	5.0	ug/Kg	05/09/2005 14:38	
Bromodichloromethane	ND	5.0	ug/Kg	05/09/2005 14:38	
Bromobenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
Bromochloromethane	ND	20	ug/Kg	05/09/2005 14:38	
Bromoform	ND	5.0	ug/Kg	05/09/2005 14:38	
Bromomethane	ND	10	ug/Kg	05/09/2005 14:38	
2-Butanone(MEK)	ND	50	ug/Kg	05/09/2005 14:38	
n-Butylbenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
sec-Butylbenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
tert-Butylbenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
Carbon disulfide	ND	5.0	ug/Kg	05/09/2005 14:38	
Carbon tetrachloride	ND	5.0	ug/Kg	05/09/2005 14:38	
Chlorobenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
Chloroethane	ND	10	ug/Kg	05/09/2005 14:38	
Chloroform	ND	5.0	ug/Kg	05/09/2005 14:38	
Chloromethane	ND	10	ug/Kg	05/09/2005 14:38	
2-Chlorotoluene	ND	5.0	ug/Kg	05/09/2005 14:38	
4-Chlorotoluene	ND	5.0	ug/Kg	05/09/2005 14:38	
Dibromochloromethane	ND	5.0	ug/Kg	05/09/2005 14:38	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,3-Dichloropropane	ND	5.0	ug/Kg	05/09/2005 14:38	
2,2-Dichloropropane	ND	5.0	ug/Kg	05/09/2005 14:38	
1,1-Dichloropropene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/09/2005 14:38	
1,2-Dibromoethane	ND	10	ug/Kg	05/09/2005 14:38	
Dibromomethane	ND	10	ug/Kg	05/09/2005 14:38	

**Volatile Organic Compounds by 8260B (Low Level)**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report		
Prep(s): 5035		Test(s): 8260B
<b>Method Blank</b>	<b>Soil</b>	<b>QC Batch # 2005/05/09-01.70</b>
MB: 2005/05/09-01.70-038		Date Extracted: 05/09/2005 14:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	05/09/2005 14:38	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/09/2005 14:38	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/09/2005 14:38	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/09/2005 14:38	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/09/2005 14:38	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/09/2005 14:38	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/09/2005 14:38	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/09/2005 14:38	
Ethylbenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
Hexachlorobutadiene	ND	5.0	ug/Kg	05/09/2005 14:38	
2-Hexanone	ND	50	ug/Kg	05/09/2005 14:38	
Isopropylbenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
p-Isopropyltoluene	ND	5.0	ug/Kg	05/09/2005 14:38	
Methylene chloride	ND	10	ug/Kg	05/09/2005 14:38	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/09/2005 14:38	
Naphthalene	ND	10	ug/Kg	05/09/2005 14:38	
n-Propylbenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
Styrene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/09/2005 14:38	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/09/2005 14:38	
Tetrachloroethene	ND	5.0	ug/Kg	05/09/2005 14:38	
Toluene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/09/2005 14:38	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/09/2005 14:38	
Trichloroethene	ND	5.0	ug/Kg	05/09/2005 14:38	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/09/2005 14:38	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/09/2005 14:38	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	05/09/2005 14:38	

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**Volatile Organic Compounds by 8260B (Low Level)**

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Batch QC Report					
Prep(s): 5035					Test(s): 8260B
<b>Method Blank</b>		<b>Soil</b>			<b>QC Batch # 2005/05/09-01.70</b>
MB: 2005/05/09-01.70-038					Date Extracted: 05/09/2005 14:38

Compound	Conc.	RL	Unit	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	05/09/2005 14:38	
Vinyl acetate	ND	50	ug/Kg	05/09/2005 14:38	
Vinyl chloride	ND	5.0	ug/Kg	05/09/2005 14:38	
Total xylenes	ND	5.0	ug/Kg	05/09/2005 14:38	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	115.7	60-130	%	05/09/2005 14:38	
1,2-Dichloroethane-d4	95.4	60-140	%	05/09/2005 14:38	
Toluene-d8	98.0	70-130	%	05/09/2005 14:38	

**Volatile Organic Compounds by 8260B (Low Level)**

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Batch QC Report									
Prep(s): 5035					Test(s): 8260B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/05/09-01.70</b>			
LCS	2005/05/09-01.70-005		Extracted: 05/09/2005			Analyzed: 05/09/2005 14:05			
LCSD									

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	89.0		100.0	89.0			69-129	20		
Chlorobenzene	108		100.0	108.0			61-121	20		
1,1-Dichloroethene	82.3		100.0	82.3			65-125	20		
Toluene	85.0		100.0	85.0			70-130	20		
Trichloroethene	91.2		100.0	91.2			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	563		500	112.6			60-130			
1,2-Dichloroethane-d4	490		500	98.0			60-140			
Toluene-d8	486		500	97.2			70-130			

**Volatile Organic Compounds by 8260B (Low Level)**

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Batch QC Report**

Prep(s): 5035	Test(s): 8260B	
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2005/05/09-01.70</b>
MS/MSD		Lab ID: 2005-05-0217 - 015
MS: 2005/05/09-01.70-014	Extracted: 05/09/2005	Analyzed: 05/09/2005 16:14
		Dilution: 1.00
MSD: 2005/05/09-01.70-046	Extracted: 05/09/2005	Analyzed: 05/09/2005 16:46
		Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	83.8	91.9	ND	95.6	87.7	94.5	7.5	69-129	20		
Chlorobenzene	110	112	ND	95.6	115.1	115.1	0.0	61-121	20		
1,1-Dichloroethene	84.1	86.9	ND	95.6	88.0	89.3	1.5	65-125	20		
Toluene	85.6	91.4	ND	95.6	89.5	93.9	4.8	70-130	20		
Trichloroethene	88.2	90.1	ND	95.6	92.3	92.6	0.3	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	556	582		500	111.2	116.4		60-130	0		
1,2-Dichloroethane-d4	450	478		500	90.0	95.6		60-140	0		
Toluene-d8	481	498		500	96.2	99.6		70-130	0		



**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-52-1.5	04/29/2005 11:50	Soil	5
SB-52-3	04/29/2005 12:00	Soil	6
SB-53-1.5	04/29/2005 13:10	Soil	8
SB-53-3	04/29/2005 13:20	Soil	9
SB-54-1.5	04/29/2005 15:05	Soil	11
SB-54-3	04/29/2005 15:10	Soil	12

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-52-1.5</b>	Lab ID:	2005-04-0903 - 5
Sampled:	04/29/2005 11:50	Extracted:	5/10/2005 19:58
Matrix:	Soil	QC Batch#:	2005/05/10-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Acenaphthylene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Fluorene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Phenanthrene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Chrysene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	1.00	05/13/2005 11:48	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	63.1	30-115	%	1.00	05/13/2005 11:48	
p-Terphenyl-d14	57.0	18-137	%	1.00	05/13/2005 11:48	

**PNA analysis by 8270C/SIM GC/MS**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-52-3</b>	Lab ID:	2005-04-0903 - 6
Sampled:	04/29/2005 12:00	Extracted:	5/10/2005 19:58
Matrix:	Soil	QC Batch#:	2005/05/10-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Acenaphthylene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Fluorene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Phenanthrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Chrysene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	1.00	05/13/2005 12:07	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	61.5	30-115	%	1.00	05/13/2005 12:07	
p-Terphenyl-d14	58.3	18-137	%	1.00	05/13/2005 12:07	

**PNA analysis by 8270C/SIM GC/MS**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-53-1.5</b>	Lab ID:	2005-04-0903 - 8
Sampled:	04/29/2005 13:10	Extracted:	5/13/2005 10:15
Matrix:	Soil	QC Batch#:	2005/05/13-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Acenaphthylene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Fluorene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Phenanthrene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Benzo(a)anthracene	5.1	5.0	ug/Kg	1.00	05/13/2005 21:02	
Chrysene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	1.00	05/13/2005 21:02	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	53.3	30-115	%	1.00	05/13/2005 21:02	
p-Terphenyl-d14	54.4	18-137	%	1.00	05/13/2005 21:02	

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-53-3</b>	Lab ID:	2005-04-0903 - 9
Sampled:	04/29/2005 13:20	Extracted:	5/10/2005 19:58
Matrix:	Soil	QC Batch#:	2005/05/10-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Acenaphthylene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Fluorene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Phenanthrene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Chrysene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	1.00	05/13/2005 10:53	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	54.5	30-115	%	1.00	05/13/2005 10:53	
p-Terphenyl-d14	59.6	18-137	%	1.00	05/13/2005 10:53	

**PNA analysis by 8270C/SIM GC/MS**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-54-1.5</b>	Lab ID:	2005-04-0903 - 11
Sampled:	04/29/2005 15:05	Extracted:	5/10/2005 19:58
Matrix:	Soil	QC Batch#:	2005/05/10-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Acenaphthylene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Fluorene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Phenanthrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Chrysene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	1.00	05/13/2005 12:26	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	65.6	30-115	%	1.00	05/13/2005 12:26	
p-Terphenyl-d14	60.8	18-137	%	1.00	05/13/2005 12:26	

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3550B/8270C-SIM	Test(s):	8270C-SIM
Sample ID:	<b>SB-54-3</b>	Lab ID:	2005-04-0903 - 12
Sampled:	04/29/2005 15:10	Extracted:	5/10/2005 19:58
Matrix:	Soil	QC Batch#:	2005/05/10-01.40

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Acenaphthylene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Acenaphthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Fluorene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Phenanthrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Chrysene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	1.00	05/13/2005 12:44	
<b>Surrogate(s)</b>						
2-Fluorobiphenyl	62.6	30-115	%	1.00	05/13/2005 12:44	
p-Terphenyl-d14	62.5	18-137	%	1.00	05/13/2005 12:44	

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Batch QC Report**

Prep(s): 3550B/8270C-SIM

Test(s): 8270C-SIM

**Method Blank**

**Soil**

**QC Batch # 2005/05/10-01.40**

MB: 2005/05/10-01.40-001

Date Extracted: 05/10/2005 19:58

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	05/13/2005 16:40	
Acenaphthylene	ND	5.0	ug/Kg	05/13/2005 16:40	
Acenaphthene	ND	5.0	ug/Kg	05/13/2005 16:40	
Fluorene	ND	5.0	ug/Kg	05/13/2005 16:40	
Phenanthrene	ND	5.0	ug/Kg	05/13/2005 16:40	
Anthracene	ND	5.0	ug/Kg	05/13/2005 16:40	
Fluoranthene	ND	5.0	ug/Kg	05/13/2005 16:40	
Pyrene	ND	5.0	ug/Kg	05/13/2005 16:40	
Benzo(a)anthracene	ND	5.0	ug/Kg	05/13/2005 16:40	
Chrysene	ND	5.0	ug/Kg	05/13/2005 16:40	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	05/13/2005 16:40	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	05/13/2005 16:40	
Benzo(a)pyrene	ND	5.0	ug/Kg	05/13/2005 16:40	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	05/13/2005 16:40	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	05/13/2005 16:40	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	05/13/2005 16:40	
<b>Surrogates(s)</b>					
2-Fluorobiphenyl	57.4	30-115	%	05/13/2005 16:40	
p-Terphenyl-d14	57.8	18-137	%	05/13/2005 16:40	



**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report		
Prep(s): 3550B/8270C-SIM <b>Method Blank</b>	Soil	Test(s): 8270C-SIM <b>QC Batch # 2005/05/13-01.40</b>
MB: 2005/05/13-01.40-001		Date Extracted: 05/13/2005 10:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	5.0	ug/Kg	05/13/2005 18:51	
Acenaphthylene	ND	5.0	ug/Kg	05/13/2005 18:51	
Acenaphthene	ND	5.0	ug/Kg	05/13/2005 18:51	
Fluorene	ND	5.0	ug/Kg	05/13/2005 18:51	
Phenanthrene	ND	5.0	ug/Kg	05/13/2005 18:51	
Anthracene	ND	5.0	ug/Kg	05/13/2005 18:51	
Fluoranthene	ND	5.0	ug/Kg	05/13/2005 18:51	
Pyrene	ND	5.0	ug/Kg	05/13/2005 18:51	
Benzo(a)anthracene	ND	5.0	ug/Kg	05/13/2005 18:51	
Chrysene	ND	5.0	ug/Kg	05/13/2005 18:51	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	05/13/2005 18:51	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	05/13/2005 18:51	
Benzo(a)pyrene	ND	5.0	ug/Kg	05/13/2005 18:51	
Indeno(1,2,3-c,d)pyrene	ND	5.0	ug/Kg	05/13/2005 18:51	
Dibenzo(a,h)anthracene	ND	5.0	ug/Kg	05/13/2005 18:51	
Benzo(g,h,i)perylene	ND	5.0	ug/Kg	05/13/2005 18:51	
<b>Surrogates(s)</b>					
2-Fluorobiphenyl	58.6	30-115	%	05/13/2005 18:51	
p-Terphenyl-d14	55.1	18-137	%	05/13/2005 18:51	

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s): 3550B/8270C-SIM		Test(s): 8270C-SIM	
<b>Laboratory Control Spike</b>	<b>Soil</b>	<b>QC Batch # 2005/05/10-01.40</b>	
LCS	2005/05/10-01.40-002	Extracted: 05/10/2005	Analyzed: 05/13/2005 09:20
LCSD	2005/05/10-01.40-003	Extracted: 05/10/2005	Analyzed: 05/13/2005 09:38

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Acenaphthene	197	175	332	59.3	52.6	12.0	50-150	30		
Phenanthrene	188	185	332	56.6	55.6	1.8	50-150	30		
Pyrene	191	200	332	57.5	60.1	4.4	50-150	30		
Chrysene	230	245	332	69.3	73.6	6.0	50-150	30		
Benzo(a)pyrene	191	193	332	57.5	58.0	0.9	50-150	30		
<b>Surrogates(s)</b>										
2-Fluorobiphenyl	6.73	6.08	10	67.3	60.8		30-115			
p-Terphenyl-d14	6.60	6.97	10	66.0	69.7		18-137			

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report										
Prep(s): 3550B/8270C-SIM						Test(s): 8270C-SIM				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/05/13-01.40</b>				
LCS	2005/05/13-01.40-002		Extracted: 05/13/2005			Analyzed: 05/13/2005 19:10				
LCSD	2005/05/13-01.40-003		Extracted: 05/13/2005			Analyzed: 05/13/2005 19:29				
Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Acenaphthene	181	187	332	54.5	56.2	3.1	50-150	30		
Phenanthrene	185	175	332	55.7	52.6	5.7	50-150	30		
Pyrene	184	175	332	55.4	52.6	5.2	50-150	30		
Chrysene	227	211	332	68.4	63.4	7.6	50-150	30		
Benzo(a)pyrene	186	180	332	56.0	54.1	3.5	50-150	30		
<b>Surrogates(s)</b>										
2-Fluorobiphenyl	6.17	6.03	10	61.7	60.3		30-115			
p-Terphenyl-d14	6.22	5.79	10	62.2	57.9		18-137			

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s):	3550B/8270C-SIM		Test(s): 8270C-SIM
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>		<b>QC Batch # 2005/05/10-01.40</b>
MS/MSD			Lab ID: 2005-05-0169 - 002
MS: 2005/05/10-01.40-005	Extracted: 05/10/2005		Analyzed: 05/13/2005 10:16
			Dilution: 1.00
MSD: 2005/05/10-01.40-006	Extracted: 05/10/2005		Analyzed: 05/13/2005 10:34
			Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Acenaphthene	191	194	ND	331	57.7	58.6	1.5	50-150	30		
Phenanthrene	196	193	ND	331	59.2	58.3	1.5	50-150	30		
Pyrene	200	199	ND	331	60.4	60.1	0.5	50-150	30		
Chrysene	234	233	ND	331	70.7	70.4	0.4	50-150	30		
Benzo(a)pyrene	188	186	ND	331	56.8	56.2	1.1	50-150	30		
<b>Surrogate(s)</b>											
2-Fluorobiphenyl	6.45	6.34		10	64.5	63.4		30-115			
p-Terphenyl-d14	6.54	6.63		10	65.4	66.3		18-137			

**PNA analysis by 8270C/SIM GC/MS**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s):	3550B/8270C-SIM		Test(s): 8270C-SIM
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>		<b>QC Batch # 2005/05/13-01.40</b>
MS/MSD			Lab ID: 2005-05-0169 - 008
MS: 2005/05/13-01.40-005	Extracted: 05/13/2005		Analyzed: 05/13/2005 20:24
			Dilution: 1.00
MSD: 2005/05/13-01.40-006	Extracted: 05/13/2005		Analyzed: 05/13/2005 20:43
			Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Acenaphthene	170	175	ND	329	51.7	52.9	2.3	50-150	30		
Phenanthrene	176	179	ND	329	53.5	54.1	1.1	50-150	30		
Pyrene	170	177	ND	329	51.7	53.5	3.4	50-150	30		
Chrysene	219	214	ND	329	66.6	64.7	2.9	50-150	30		
Benzo(a)pyrene	171	172	ND	329	52.0	52.0	0.0	50-150	30		
<b>Surrogate(s)</b>											
2-Fluorobiphenyl	5.77	5.87		10	57.7	58.7		30-115			
p-Terphenyl-d14	5.93	6.02		10	59.3	60.2		18-137			

**CAM 17 Metals**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-51-1.5	04/29/2005 14:20	Soil	2
SB-52-1.5	04/29/2005 11:50	Soil	5
SB-53-1.5	04/29/2005 13:10	Soil	8

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	<b>SB-51-1.5</b>	Lab ID:	2005-04-0903 - 2
Sampled:	04/29/2005 14:20	Extracted:	5/12/2005 13:19 5/12/2005 13:29
Matrix:	Soil	QC Batch#:	2005/05/12-04.15 2005/05/12-05.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	2.9	2.0	mg/Kg	1.00	05/12/2005 20:35	
Arsenic	3.5	1.0	mg/Kg	1.00	05/12/2005 20:35	
Barium	120	1.0	mg/Kg	1.00	05/12/2005 20:35	
Beryllium	ND	0.50	mg/Kg	1.00	05/12/2005 20:35	
Cadmium	1.1	0.50	mg/Kg	1.00	05/12/2005 20:35	
Chromium	36	1.0	mg/Kg	1.00	05/12/2005 20:35	
Cobalt	8.6	1.0	mg/Kg	1.00	05/12/2005 20:35	
Copper	7.7	1.0	mg/Kg	1.00	05/12/2005 20:35	
Lead	5.8	1.0	mg/Kg	1.00	05/12/2005 20:35	
Molybdenum	ND	1.0	mg/Kg	1.00	05/12/2005 20:35	
Nickel	32	1.0	mg/Kg	1.00	05/12/2005 20:35	
Selenium	ND	2.0	mg/Kg	1.00	05/12/2005 20:35	
Silver	ND	1.0	mg/Kg	1.00	05/12/2005 20:35	
Thallium	ND	1.0	mg/Kg	1.00	05/12/2005 20:35	
Vanadium	26	1.0	mg/Kg	1.00	05/12/2005 20:35	
Zinc	29	1.0	mg/Kg	1.00	05/12/2005 20:35	
Mercury	ND	0.050	mg/Kg	1.00	05/13/2005 09:55	

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	<b>SB-52-1.5</b>	Lab ID:	2005-04-0903 - 5
Sampled:	04/29/2005 11:50	Extracted:	5/12/2005 13:19 5/12/2005 13:29
Matrix:	Soil	QC Batch#:	2005/05/12-04.15 2005/05/12-05.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/12/2005 20:53	
Arsenic	100	1.0	mg/Kg	1.00	05/12/2005 20:53	
Barium	110	1.0	mg/Kg	1.00	05/12/2005 20:53	
Beryllium	ND	0.50	mg/Kg	1.00	05/12/2005 20:53	
Cadmium	0.87	0.50	mg/Kg	1.00	05/12/2005 20:53	
Chromium	28	1.0	mg/Kg	1.00	05/12/2005 20:53	
Cobalt	3.7	1.0	mg/Kg	1.00	05/12/2005 20:53	
Copper	15	1.0	mg/Kg	1.00	05/12/2005 20:53	
Lead	5.9	1.0	mg/Kg	1.00	05/12/2005 20:53	
Molybdenum	ND	1.0	mg/Kg	1.00	05/12/2005 20:53	
Nickel	19	1.0	mg/Kg	1.00	05/12/2005 20:53	
Selenium	ND	2.0	mg/Kg	1.00	05/12/2005 20:53	
Silver	ND	1.0	mg/Kg	1.00	05/12/2005 20:53	
Thallium	ND	1.0	mg/Kg	1.00	05/12/2005 20:53	
Vanadium	29	1.0	mg/Kg	1.00	05/12/2005 20:53	
Zinc	61	1.0	mg/Kg	1.00	05/12/2005 20:53	
Mercury	ND	0.050	mg/Kg	1.00	05/13/2005 10:01	



**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	<b>SB-53-1.5</b>	Lab ID:	2005-04-0903 - 8
Sampled:	04/29/2005 13:10	Extracted:	5/12/2005 13:19 5/12/2005 13:29
Matrix:	Soil	QC Batch#:	2005/05/12-04.15 2005/05/12-05.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/12/2005 20:57	
Arsenic	27	1.0	mg/Kg	1.00	05/12/2005 20:57	
Barium	53	1.0	mg/Kg	1.00	05/12/2005 20:57	
Beryllium	ND	0.50	mg/Kg	1.00	05/12/2005 20:57	
Cadmium	0.52	0.50	mg/Kg	1.00	05/12/2005 20:57	
Chromium	18	1.0	mg/Kg	1.00	05/12/2005 20:57	
Cobalt	4.3	1.0	mg/Kg	1.00	05/12/2005 20:57	
Copper	18	1.0	mg/Kg	1.00	05/12/2005 20:57	
Lead	3.3	1.0	mg/Kg	1.00	05/12/2005 20:57	
Molybdenum	ND	1.0	mg/Kg	1.00	05/12/2005 20:57	
Nickel	12	1.0	mg/Kg	1.00	05/12/2005 20:57	
Selenium	ND	2.0	mg/Kg	1.00	05/12/2005 20:57	
Silver	ND	1.0	mg/Kg	1.00	05/12/2005 20:57	
Thallium	ND	1.0	mg/Kg	1.00	05/12/2005 20:57	
Vanadium	20	1.0	mg/Kg	1.00	05/12/2005 20:57	
Zinc	32	1.0	mg/Kg	1.00	05/12/2005 20:57	
Mercury	ND	0.050	mg/Kg	1.00	05/13/2005 10:02	

**CAM 17 Metals**

Geomatrix Consultants

Attn.: Matt Goerz

2101 Webster Street, 12th Floor  
Oakland, CA 94612  
Phone: (510) 663-4100 Fax: (510) 663-4141

Project: 6257.000/4

Received: 04/30/2005 09:45

**Batch QC Report**

Prep(s): 3050B

Test(s): 6010B

**Method Blank**

**Soil**

**QC Batch # 2005/05/12-04.15**

MB: 2005/05/12-04.15-077

Date Extracted: 05/12/2005 13:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	05/12/2005 20:25	
Arsenic	ND	1.0	mg/Kg	05/12/2005 20:25	
Barium	ND	1.0	mg/Kg	05/12/2005 20:25	
Beryllium	ND	0.50	mg/Kg	05/12/2005 20:25	
Cadmium	ND	0.50	mg/Kg	05/12/2005 20:25	
Chromium	ND	1.0	mg/Kg	05/12/2005 20:25	
Cobalt	ND	1.0	mg/Kg	05/12/2005 20:25	
Copper	ND	1.0	mg/Kg	05/12/2005 20:25	
Lead	ND	1.0	mg/Kg	05/12/2005 20:25	
Molybdenum	ND	1.0	mg/Kg	05/12/2005 20:25	
Nickel	ND	1.0	mg/Kg	05/12/2005 20:25	
Selenium	ND	2.0	mg/Kg	05/12/2005 20:25	
Silver	ND	1.0	mg/Kg	05/12/2005 20:25	
Thallium	ND	1.0	mg/Kg	05/12/2005 20:25	
Vanadium	ND	1.0	mg/Kg	05/12/2005 20:25	
Zinc	ND	1.0	mg/Kg	05/12/2005 20:25	

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report					
Prep(s): 7471A		Test(s): 7471A			
<b>Method Blank</b>		<b>Soil</b>		<b>QC Batch # 2005/05/12-05.16</b>	
MB: 2005/05/12-05.16-015		Date Extracted: 05/12/2005 13:29			
Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	05/13/2005 09:51	

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s): 3050B		Test(s): 6010B	
<b>Laboratory Control Spike</b>	<b>Soil</b>	<b>QC Batch # 2005/05/12-04.15</b>	
LCS 2005/05/12-04.15-078	Extracted: 05/12/2005	Analyzed: 05/12/2005 20:28	
LCSD 2005/05/12-04.15-079	Extracted: 05/12/2005	Analyzed: 05/12/2005 20:31	

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Antimony	91.0	93.0	100.0	91.0	93.0	2.2	80-120	20		
Arsenic	98.0	99.4	100.0	98.0	99.4	1.4	80-120	20		
Barium	102	103	100.0	102.0	103.0	1.0	80-120	20		
Beryllium	97.2	99.4	100.0	97.2	99.4	2.2	80-120	20		
Cadmium	96.4	97.6	100.0	96.4	97.6	1.2	80-120	20		
Chromium	99.3	100	100.0	99.3	100.0	0.7	80-120	20		
Cobalt	97.2	98.6	100.0	97.2	98.6	1.4	80-120	20		
Copper	102	103	100.0	102.0	103.0	1.0	80-120	20		
Lead	98.0	99.2	100.0	98.0	99.2	1.2	80-120	20		
Molybdenum	101	102	100.0	101.0	102.0	1.0	80-120	20		
Nickel	97.6	98.8	100.0	97.6	98.8	1.2	80-120	20		
Selenium	98.4	98.9	100.0	98.4	98.9	0.5	80-120	20		
Silver	98.7	100	100.0	98.7	100.0	1.3	80-120	20		
Thallium	102	103	100.0	102.0	103.0	1.0	80-120	20		
Vanadium	99.7	100	100.0	99.7	100.0	0.3	80-120	20		
Zinc	96.6	98.0	100.0	96.6	98.0	1.4	80-120	20		

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report										
Prep(s): 7471A						Test(s): 7471A				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/05/12-05.16</b>				
LCS	2005/05/12-05.16-016		Extracted: 05/12/2005			Analyzed: 05/13/2005 09:52				
LCSD	2005/05/12-05.16-017		Extracted: 05/12/2005			Analyzed: 05/13/2005 09:53				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Mercury	0.530	0.530	0.500	106.0	106.0	0.0	85-115	20		

**CAM 17 Metals**

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s): 3050B			Test(s): 6010B
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2005/05/12-04.15</b>	
SB-51-1.5 >> MS		Lab ID:	2005-04-0903 - 002
MS: 2005/05/12-04.15-081	Extracted: 05/12/2005	Analyzed:	05/12/2005 20:45
		Dilution:	1.00
MSD: 2005/05/12-04.15-082	Extracted: 05/12/2005	Analyzed:	05/12/2005 20:49
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Antimony	28.1	30.2	2.92	95.2	26.4	28.4	7.3	75-125	20	M5	M5
Arsenic	84.0	84.8	3.46	95.2	84.6	84.6	0.0	75-125	20		
Barium	197	203	116	95.2	85.1	90.4	6.0	75-125	20		
Beryllium	81.2	82.1	ND	95.2	85.3	85.3	0.0	75-125	20		
Cadmium	81.6	82.2	1.07	95.2	84.6	84.3	0.4	75-125	20		
Chromium	119	120	35.6	95.2	87.6	87.7	0.1	75-125	20		
Cobalt	88.9	89.7	8.61	95.2	84.3	84.3	0.0	75-125	20		
Copper	95.6	96.1	7.68	95.2	92.4	91.9	0.5	75-125	20		
Lead	86.4	87.0	5.76	95.2	84.7	84.4	0.4	75-125	20		
Molybdenum	76.9	77.8	ND	95.2	80.8	80.9	0.1	75-125	20		
Nickel	115	115	31.9	95.2	87.3	86.4	1.0	75-125	20		
Selenium	80.2	80.7	ND	95.2	84.2	83.9	0.4	75-125	20		
Silver	86.0	86.0	ND	95.2	90.3	89.4	1.0	75-125	20		
Thallium	81.9	83.1	ND	95.2	86.0	86.4	0.5	75-125	20		
Vanadium	110	110	26.5	95.2	87.7	86.8	1.0	75-125	20		
Zinc	109	110	28.6	95.2	84.5	84.6	0.1	75-125	20		

**CAM 17 Metals**

Geomatrix Consultants

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Project: 6257.000/4

Received: 04/30/2005 09:45

Batch QC Report			
Prep(s):	7471A	Test(s):	7471A
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2005/05/12-05.16</b>	
SB-51-1.5 >> MS		Lab ID:	2005-04-0903 - 002
MS: 2005/05/12-05.16-019	Extracted: 05/12/2005	Analyzed:	05/13/2005 09:56
		Dilution:	1.00
MSD: 2005/05/12-05.16-020	Extracted: 05/12/2005	Analyzed:	05/13/2005 09:57
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Mercury	0.586	0.571	ND	0.495	118.4	117.7	0.6	85-115	20	M4	M4

**Salimpour, Afsaneh**

---

**From:** Sarah Hussong [SHussong@geomatrix.com]  
**Sent:** Monday, May 09, 2005 5:56 PM  
**To:** Salimpour, Afsaneh  
**Cc:** Paisha Jorgensen; Matt Goerz  
**Subject:** Geomatrix Analytical Request

Hello Afsaneh,

Please extract and analyze the following additional samples for Geomatrix project # 6257 as follows:

**Analyze**

- SB-51-1.5 for CAM 17 Metals 2005-04-0903-2 ✓
- SB-52-1.5 for CAM 17 Metals and PNA by 8270C-SIM 903-5
- SB-53-1.5 for CAM 17 Metals and PNA by 8270C-SIM 903-8
- SB-54-1.5 for PNA by 8270C-SIM 903-11

**Extract Only**

- SB-52-3
- SB-53-3
- SB-54-3

903-6  
-9  
-12

Please contact Matt Goerz or myself with any questions.

Regards,

Sarah A. Hussong, P.E.  
 Project Engineer

Geomatrix Consultants, Inc.  
[shussong@geomatrix.com](mailto:shussong@geomatrix.com)  
 phone: 510.663.4291  
 fax: 510.663.4141  
<http://www.geomatrix.com>

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# Chain-of Custody Record

## 2005-04-0903

Date: 11/29/05

Page 1 of 1

Project No: 657.000/4

Samplers (Signature): *Paul Power*

### ANALYSES

### REMARKS

Date	Time	Sample Number	ANALYSES							REMARKS									
			EPA Method 8021 (Full Scan)	EPA Method 8021 (Hal. VOCs only)	EPA Method 8021 (BTEX only)	EPA Method 8260	EPA Method 8270 (Full Scan)	EPA Method 8270 SIM (PAHS only)	Method 8015m (Gasoline)	Method 8015m (Diesel)	Method 8015m (Motor Oil)	Silica Gel Cleanup	Soil (S), Water (W) Vapor (V), or Other (o)	Filtered	Preserved	Cooled	No. of Containers	Additional Comments	
11/29/05	1410	SB-51-0.5				X		X				X	COMMIT metals						MS/MSD
	1420	SB-51-1.5				X		X				X	HOLD						Analyze VOCs/HOLD rest
	1425	SB-51-3				X		X				X							HOLD
	1140	SB-52-0.5																	Analyze VOCs/HOLD rest
	1150	SB-52-1.5				X		X				X							HOLD
	1200	SB-52-3				X		X				X							Analyze VOCs/HOLD rest
	1300	SB-53-0.5																	HOLD
	1310	SB-53-1.5				X		X				X							Analyze VOCs/HOLD rest
	1320	SB-53-3				X		X				X							HOLD
	1500	SB-54-0.5																	Analyze VOCs/HOLD rest
	1505	SB-54-1.5				X		X				X							HOLD
	1510	SB-54-3				X		X				X							HOLD

Laboratory: STL-SF

Turnaround Time: Standard 5-day

Results to: Goz

Total No. of Containers: 2

Relinquished by (Signature): *Paul Power*

Relinquished by (Signature): *Paul Power*

Relinquished by (Signature):

Relinquished by (Signature):

Date:

Method of Shipment: Fed-Ex

Printed Name: Paul Power

Printed Name:

Printed Name:

Printed Name:

Date:

Laboratory Comments and Log No.: 5

Company: Geomatrix

Company:

Company:

Company:

Date:

Received by: Jean Muller  
Printed Name: Jean Muller  
Date: 1/30  
Time: 8:15  
Company: STCSF

Received by: Jean Muller  
Printed Name: Jean Muller  
Date: 1/30  
Time: 8:15  
Company: STCSF

Received by: Jean Muller  
Printed Name: Jean Muller  
Date: 1/30  
Time: 8:15  
Company: STCSF

Received by: Jean Muller  
Printed Name: Jean Muller  
Date: 1/30  
Time: 8:15  
Company: STCSF

Date:

Geomatrix Consultants  
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