LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

Mountain View, CA
Fairfield, CA
Fullerton, CA
Las Vegas, NV
Oakland, CA
Sacramento
San Ramon, CA

June 8, 2005
869-7

Mr. Steve Erickson
City of Milpitas
455 East Calaveras Boulevard
Milpitas, California 95035

RE: SOIL QUALITY EVALUATION
MIDTOWN WEST PARKING GARAGE
MILPITAS, CALIFORNIA

Dear Mr. Erickson:

This letter transmits the results of the soil quality evaluation performed at the proposed location of the Midtown West Parking Garage in Milpitas, California (Figure 1). The work was performed in conformance with Purchase Order Number C816102 dated March 14, 2005. To evaluate soil quality, samples were collected at four locations (S-1 to S-4) at the site (on April 22, 2005) from approximately the surface to ½ foot below ground surface at each boring location. The soil samples collected from each location were analyzed for arsenic, lead, and mercury (EPA Test Methods 6010B and 7471A) and organochlorine pesticides (DDE and DDT) (EPA Test Method 8081). Analytical laboratory test results are attached and the sampling locations are shown on Figure 2.

The following summarizes the results for the surface soils:

Arsenic was detected at concentrations ranging from 9.3 mg/kg to 29 mg/kg, exceeding the residential Environmental Screening Level (ESL) of 5.5 mg/kg. However, typical mean background concentrations of arsenic in the Bay area soils range from approximately 5 to 20 mg/kg, with some soils in excess of 40 mg/kg arsenic (LBNL, 2002).

Lead was detected at concentrations ranging from 49 mg/kg to 120 mg/kg and did not exceed the residential ESL of 150 mg/kg. Mercury was also detected in three of the soil samples with concentrations ranging from less than 0.050 mg/kg to 0.91 mg/kg and does not exceed the residential ESL (3.7 mg/kg).

DDT was detected in concentrations ranging from less than 0.010 mg/kg to 0.088 mg/kg, and DDE was detected in concentrations ranging from 0.12 mg/kg to 0.54 mg/kg; both are below their residential ESLs (1.6 mg/kg).

Based on the elevated concentrations of arsenic and to further evaluate soil quality at the site, two deeper soil samples collected on May 26, 2005 from each of the four boring

locations previously sampled (RS-1 to RS-8 at of 1½ to 2 feet, and 2½ to 3 feet) were analyzed for arsenic, lead, and mercury (EPA Test Methods 6010 / 7000).

The following summarizes the results for the deeper soil samples:

Arsenic was detected at concentrations ranging from 7.1 mg/kg to 28 mg/kg, exceeding the residential ESL of 5.5 mg/kg.

Lead was detected at concentrations ranging from 7.6 mg/kg to 85 mg/kg and did not exceed the residential ESL of 150 mg/kg. Mercury was also detected in the soil samples with concentrations ranging from less than 0.050 mg/kg to 0.10 mg/kg and does not exceed the residential ESL (3.7 mg/kg).

Analytical Summary Table from Sampling Dates *April 22, 2005* and May 26, 2005

Soil Boring	Depth (in feet)	Arsenic (concentrations in mg/kg)	Lead (concentrations in mg/kg)	Mercury (concentrations in mg/kg)
S-1	*0-0.5*	***17***	*63*	*<0.050*
RS-1	1½-2	**20**	65	0.086
RS-2	2½ -3	**8.8**	16	0.051
S-2	*0-0.5*	***29***	*120*	*0.090*
RS-3	1½-2	**28**	85	<0.050
RS-4	2 ½-3	**7.1**	7.6	<0.050
S-3	*0-0.5*	***9.3***	*49*	*0.12*
RS-5	1 ½ -2	**16**	7.9	0.10
RS-6	2 ½ -3	**26**	67	0.062
S-4	*0-0.5*	***24***	*86*	*0.91*
RS-7	1 ½ -2	**16**	33	0.075
RS-8	2 ½ -3	**5.5**	9.9	<0.050
ESL (in mg/kg) (Bold: concentration exceeds ESL)		**5.5**	**150**	**3.7**

The arsenic concentrations in all soil samples exceed the screening level established by the San Francisco Bay Regional Water Quality Control Board. However, it appears that the concentrations decrease with depth, indicating anthropogenic impacts to surface soils likely associated with pesticide application during the historical agricultural use of the site.

However, in general the deepest soil samples (2½ to 3 feet) have arsenic concentrations that appear to be consistent with natural background in Bay Area soils. The concentration of lead in shallow samples (surface to 1½ feet), from locations S-2, S-3, and S-4 also appear elevated, although not exceeding the ESL. If the soils will be excavated and disposed off-site, additional testing may be required. If taken to a sanitary landfill, it is likely that the landfill's acceptance criteria will include soluble threshold limit concentration (STLC) testing to evaluate the solubility of lead and arsenic. This is a common requirement when the total concentration of these metals is greater than 10 percent of their respective STLCs (the STLC for both arsenic and lead is 5 mg/L). Concentrations of metals exceeding the STLC may classify as a California hazardous waste.

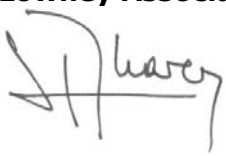
We recommend that STLC testing for lead and arsenic be performed on soil samples S-1, RS-1, S-2, RS-3, and S-4.

This report was prepared for the sole use of the City of Milpitas in evaluating soil quality at the North Main/ Calaveras Boulevard parcel. We make no warranty, expressed or implied, except that our services have been performed in accordance with environmental principles generally accepted at this time and location. The chemical and other data presented in this report can change over time and are applicable only to the time this study was performed. We are not responsible for the data presented by others.

Thank you for choosing us to assist you. If you have any questions, please call and we will be glad to discuss them with you.

Very truly yours,

Lowney Associates

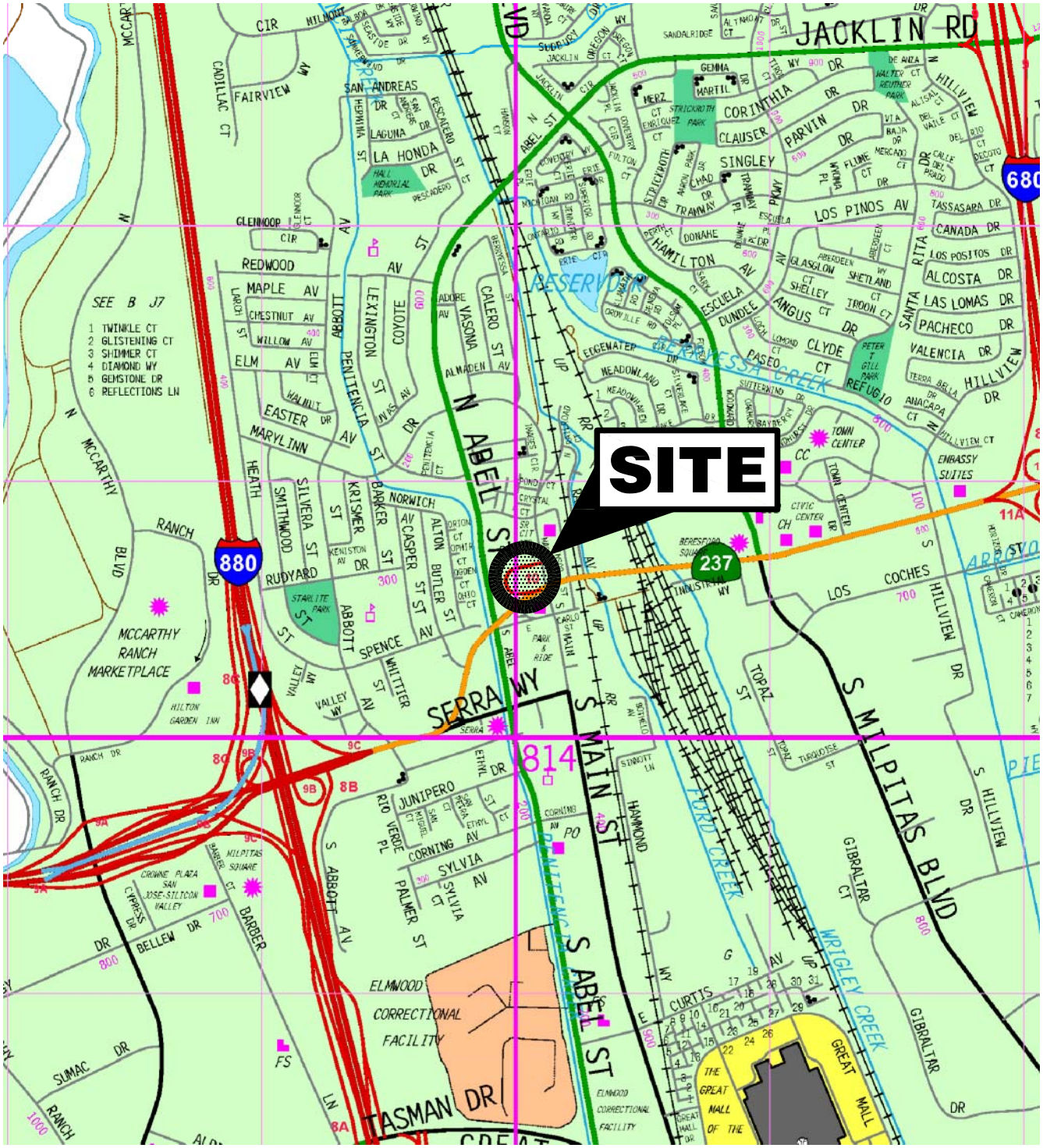


Leonardo Alvarez, R.G, C.E.G
Senior Project Geologist

LA: AB: cah

Copies- Addressee (1)

Attachments: Figures 1 and 2
Analytical Test Results



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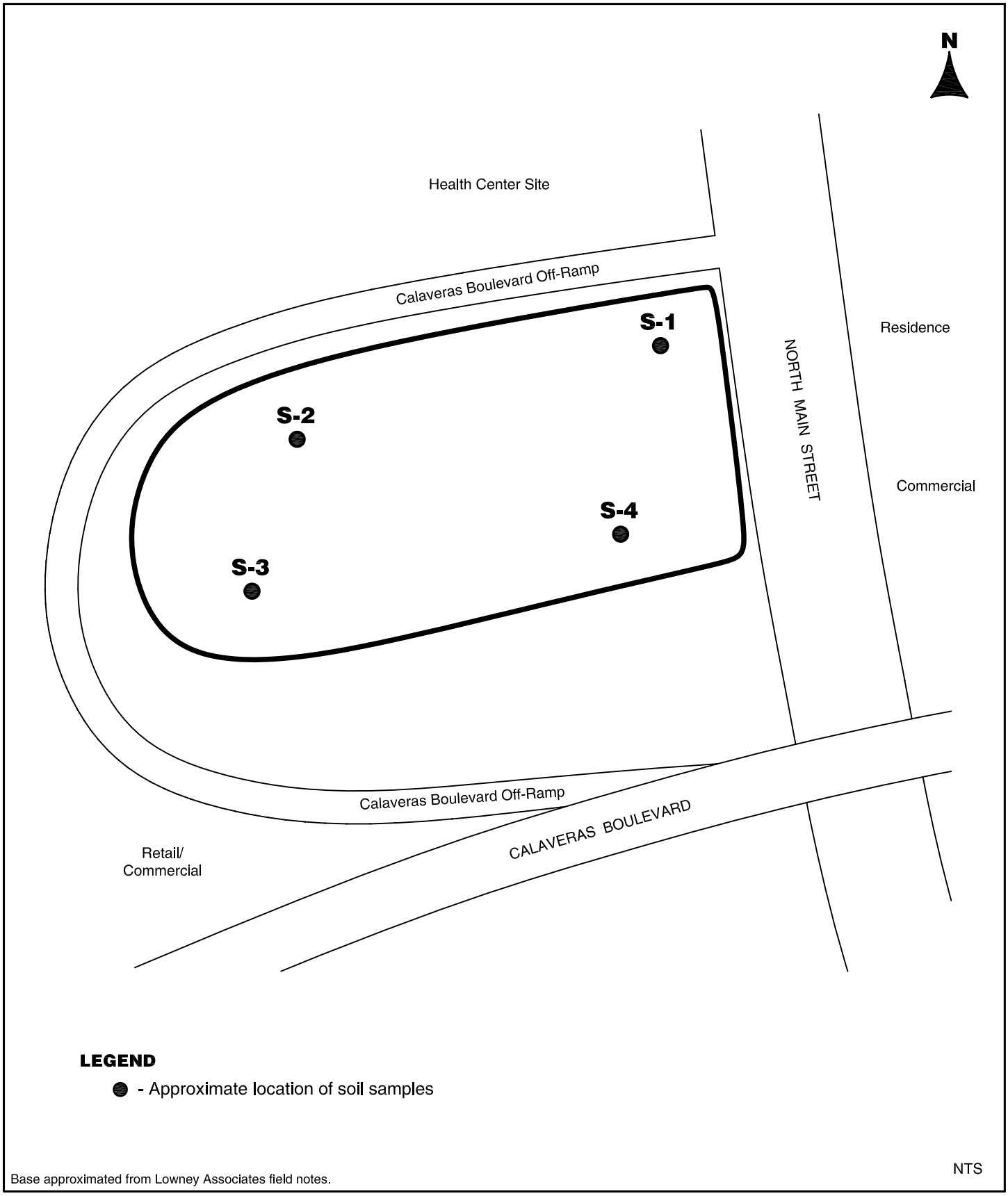
6/05*EB

VICINITY MAP

NORTH MAIN/CALAVERAS BOULEVARD
Milpitas, California

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

FIGURE 1
869-7



Base approximated from Lowney Associates field notes.

6/05*EB

SITE PLAN

NORTH MAIN/CALAVERAS BOULEVARD
Loma Prieta, California

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

FIGURE 2
869-7

LOWNEY ASSOCIATES
Environmental/Geotechnical/Engineering Services

☑ **Mountain View Office**
405 Clyde Ave.
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Tel: 650.967.2338
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☐ **Oakland Office**
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Fullerton 92835
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Fax: 714.441.3091

☐ **San Ramon Office**
2258 Camino Ramon
San Ramon 94583
Tel: 925.275.2555
Fax: 925.275.2555

2005-04-0715

CHAIN OF CUSTODY RECORD

Project Name: North Main/Calaveras Blvd.
Job No.: 869-7
Report To: Leo Alvarez
Sampler (print): Allyx Brun
Sampler (signature): [signature]

Electronic Deliverable Format Required: ☐ YES ☐ NO

EDF LOGCODE: ☐ LAMV ☐ LAO ☐ LAF

Global ID # :

Turnaround Requirements
- ☑ **5 Working Days**
- ☐ **48 Hours**
- ☐ **24 Hours**
- ☐ **2-3 Hours RUSH**
- ☐ _____

QC Requirement:
☒ **Level A (standard)**

ANALYSES REQUESTED 114485

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	# of cont.	Preserved?	TPH as gas/BTEX/MTBE Method: ☐8015/8021 ☐8260	TPH as diesel (8015M) ☐add silica gel column ☐add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: ☐8021 ☐8260 ☐add BTEX	Organochlorine Pesticides (8081)	Metals: ☒As, Pb, Hg ☐17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)					Remarks
S-1	4/22/05	0855		Soil	1	No					X	X								
S-2	"	0902		"	"	"					X	X								
S-3	"	0912		"	"	"					X	X								
S-4	"	0920		"	"	"					X	X								

Relinquished By: [signature]	Date: 4/22/05	Time: 1545	Received By: [signature]	Date: 4/22/05	Time: 1546
Relinquished By: [signature]	Date: 4/22/05	Time: 1626	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Lab of Record:		
			Received by Lab: [signature]	Date: 4/22/05	Time: 1626

PM Initial:

Temp: 2°C

SEVERN TRENT STL

Submission#: 2005-04-0715

Lowney & Associates Mountain View

May 03, 2005

405 Clyde Avenue
Mountain View, CA 94043-2209
Attn.: Leo Alvarez

Project#: 869-7
Project: North Main/ Calaveras Blvd.

Dear Mr. Alvarez,

Attached is our report for your samples received on 04/22/2005 16:26
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 06/06/2005 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

Sincerely,

Afsaneh Salimpour
Project Manager

SEVERN TRENT STL

Submission: 2005-04-0715

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	04/22/2005 08:55	Soil	1
S-2	04/22/2005 09:02	Soil	2
S-3	04/22/2005 09:12	Soil	3
S-4	04/22/2005 09:20	Soil	4

SEVERN TRENT STL

Submission: 2005-04-0715

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

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Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Prep(s): 3050B
7471A

Test(s): 6010B
7471A

Sample ID: **S-3**

Lab ID: 2005-04-0715 - 3

Sampled: 04/22/2005 09:12

Extracted: 4/28/2005 05:44
4/28/2005 05:49

Matrix: Soil

QC Batch#: 2005/04/28-01.15
2005/04/28-03.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	9.3	1.0	mg/Kg	1.00	04/28/2005 11:51	
Lead	49	1.0	mg/Kg	1.00	04/28/2005 11:51	
Mercury	0.12	0.050	mg/Kg	1.00	04/29/2005 11:17	

SEVERN TRENT STL

Submission: 2005-04-0715

Metals

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Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Prep(s): 3050B
7471A

Test(s): 6010B
7471A

Sample ID: **S-4**

Lab ID: 2005-04-0715 - 4

Sampled: 04/22/2005 09:20

Extracted: 4/28/2005 05:44
4/28/2005 05:49

Matrix: Soil

QC Batch#: 2005/04/28-01.15
2005/04/28-03.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	24	1.0	mg/Kg	1.00	04/28/2005 11:55	
Lead	86	1.0	mg/Kg	1.00	04/28/2005 11:55	
Mercury	0.91	0.050	mg/Kg	1.00	04/29/2005 11:18	

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

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Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2005/04/28-01.15**

LCS 2005/04/28-01.15-022 Extracted: 04/28/2005 Analyzed: 04/28/2005 11:13
LCSD 2005/04/28-01.15-023 Extracted: 04/28/2005 Analyzed: 04/28/2005 11:16

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Arsenic	107	106	100.0	107.0	106.0	0.9	80-120	20		
Lead	104	103	100.0	104.0	103.0	1.0	80-120	20		

SEVERN TRENT STL

Submission: 2005-04-0715

Metals

Lowney & Associates Mountain View
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Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2005/04/28-03.16**

LCS 2005/04/28-03.16-045 Extracted: 04/28/2005 Analyzed: 04/29/2005 11:10
LCSD 2005/04/28-03.16-046 Extracted: 04/28/2005 Analyzed: 04/29/2005 11:11

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.502	0.507	0.500	100.4	101.4	1.0	85-115	20		

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
Attn.: Leo Alvarez

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Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Prep(s): 3550/8081 Test(s): 8081
Sample ID: **S-2** Lab ID: 2005-04-0715 - 2
Sampled: 04/22/2005 09:02 Extracted: 4/28/2005 21:37
Matrix: Soil QC Batch#: 2005/04/28-02.13
Analysis Flag: S2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Dieldrin	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endrin aldehyde	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endrin	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endrin ketone	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Heptachlor	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Heptachlor epoxide	ND	20	ug/Kg	10.00	04/29/2005 21:27	
4,4`-DDT	88	20	ug/Kg	10.00	04/29/2005 21:27	
4,4`-DDE	540	20	ug/Kg	10.00	04/29/2005 21:27	
4,4`-DDD	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endosulfan I	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endosulfan II	ND	20	ug/Kg	10.00	04/29/2005 21:27	
alpha-BHC	ND	20	ug/Kg	10.00	04/29/2005 21:27	
beta-BHC	ND	20	ug/Kg	10.00	04/29/2005 21:27	
gamma-BHC (Lindane)	ND	20	ug/Kg	10.00	04/29/2005 21:27	
delta-BHC	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endosulfan sulfate	ND	20	ug/Kg	10.00	04/29/2005 21:27	
4,4`-Methoxychlor	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Toxaphene	ND	1000	ug/Kg	10.00	04/29/2005 21:27	
Chlordane (Technical)	ND	500	ug/Kg	10.00	04/29/2005 21:27	
alpha-Chlordane	ND	20	ug/Kg	10.00	04/29/2005 21:27	
gamma-Chlordane	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	NA	50-125	%	10.00	04/29/2005 21:27	
Decachlorobiphenyl (Pest/8081)	NA	46-142	%	10.00	04/29/2005 21:27	

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
Attn.: Leo Alvarez

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Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Prep(s): 3550/8081 Test(s): 8081
Sample ID: **S-3** Lab ID: 2005-04-0715 - 3
Sampled: 04/22/2005 09:12 Extracted: 4/28/2005 21:37
Matrix: Soil QC Batch#: 2005/04/28-02.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Dieldrin	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Endrin aldehyde	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Endrin	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Endrin ketone	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Heptachlor	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Heptachlor epoxide	ND	10	ug/Kg	5.00	04/29/2005 21:56	
4,4`-DDT	39	10	ug/Kg	5.00	04/29/2005 21:56	
4,4`-DDE	200	10	ug/Kg	5.00	04/29/2005 21:56	
4,4`-DDD	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Endosulfan I	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Endosulfan II	ND	10	ug/Kg	5.00	04/29/2005 21:56	
alpha-BHC	ND	10	ug/Kg	5.00	04/29/2005 21:56	
beta-BHC	ND	10	ug/Kg	5.00	04/29/2005 21:56	
gamma-BHC (Lindane)	ND	10	ug/Kg	5.00	04/29/2005 21:56	
delta-BHC	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Endosulfan sulfate	ND	10	ug/Kg	5.00	04/29/2005 21:56	
4,4`-Methoxychlor	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Toxaphene	ND	500	ug/Kg	5.00	04/29/2005 21:56	
Chlordane (Technical)	ND	250	ug/Kg	5.00	04/29/2005 21:56	
alpha-Chlordane	ND	10	ug/Kg	5.00	04/29/2005 21:56	
gamma-Chlordane	ND	10	ug/Kg	5.00	04/29/2005 21:56	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	92.2	50-125	%	5.00	04/29/2005 21:56	
Decachlorobiphenyl (Pest/8081)	102.6	46-142	%	5.00	04/29/2005 21:56	

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
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Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 3550/8081

Test(s): 8081

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2005/04/28-02.13**

MS/MSD

Lab ID: 2005-04-0650 - 005

MS: 2005/04/28-02.13-004 Extracted: 04/28/2005 Analyzed: 04/30/2005 00:49
Dilution: 1.00

MSD: 2005/04/28-02.13-005 Extracted: 04/28/2005 Analyzed: 04/29/2005 01:17
Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Aldrin	14.6	14.9	ND	16.6	88.0	89.8	2.0	37-136	35		
Dieldrin	23.0	20.2	ND	16.6	138.6	121.7	13.0	58-135	35	M4	
Endrin	24.6	21.8	10.0	16.6	88.0	71.1	21.2	58-134	35		
Heptachlor	15.8	15.5	ND	16.6	95.2	93.4	1.9	40-136	35		
4,4`-DDT	38.5	57.8	38.0	16.6	3.0	119.3	190.	55-132	35	M5	R2
gamma-BHC (Lindane)	15.7	15.5	ND	16.6	94.6	93.4	1.3	37-137	35		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xylen	46.6	46.9		50	93.2	93.9		50-125	0		
Decachlorobiphenyl	47.2	46.6		50	94.3	93.2		46-142	0		

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
Attn.: Leo Alvarez

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Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Legend and Notes

Analysis Flag

S2

Surrogate(s) diluted out.

Result Flag

M4

MS/MSD spike recoveries were above acceptance limits.
See blank spike (LCS).

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

R2

Analyte RPD was out of QC limits due to sample heterogeneity.

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 3550/8081 Test(s): 8081

Method Blank Soil **QC Batch # 2005/05/02-01.13**

MB: 2005/05/02-01.13-001 Date Extracted: 05/02/2005 09:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	05/03/2005 01:21	
Dieldrin	ND	2.0	ug/Kg	05/03/2005 01:21	
Endrin aldehyde	ND	2.0	ug/Kg	05/03/2005 01:21	
Endrin	ND	2.0	ug/Kg	05/03/2005 01:21	
Endrin ketone	ND	2.0	ug/Kg	05/03/2005 01:21	
Heptachlor	ND	2.0	ug/Kg	05/03/2005 01:21	
Heptachlor epoxide	ND	2.0	ug/Kg	05/03/2005 01:21	
4,4`-DDT	ND	2.0	ug/Kg	05/03/2005 01:21	
4,4`-DDE	ND	2.0	ug/Kg	05/03/2005 01:21	
4,4`-DDD	ND	2.0	ug/Kg	05/03/2005 01:21	
Endosulfan I	ND	2.0	ug/Kg	05/03/2005 01:21	
Endosulfan II	ND	2.0	ug/Kg	05/03/2005 01:21	
alpha-BHC	ND	2.0	ug/Kg	05/03/2005 01:21	
beta-BHC	ND	2.0	ug/Kg	05/03/2005 01:21	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	05/03/2005 01:21	
delta-BHC	ND	2.0	ug/Kg	05/03/2005 01:21	
Endosulfan sulfate	ND	2.0	ug/Kg	05/03/2005 01:21	
4,4`-Methoxychlor	ND	2.0	ug/Kg	05/03/2005 01:21	
Toxaphene	ND	100	ug/Kg	05/03/2005 01:21	
Chlordane (Technical)	ND	50	ug/Kg	05/03/2005 01:21	
alpha-Chlordane	ND	2.0	ug/Kg	05/03/2005 01:21	
gamma-Chlordane	ND	2.0	ug/Kg	05/03/2005 01:21	
Surrogates(s)					
2,4,5,6-Tetrachloro-m-xylene	96.1	50-125	%	05/03/2005 01:21	
Decachlorobiphenyl (Pest/8081)	104.6	46-142	%	05/03/2005 01:21	

SEVERN TRENT STL

Submission: 2005-04-0715

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 3550/8081 Test(s): 8081

Laboratory Control Spike Soil **QC Batch # 2005/05/02-01.13**

LCS 2005/05/02-01.13-002 Extracted: 05/02/2005 Analyzed: 05/03/2005 01:50

LCSD 2005/05/02-01.13-003 Extracted: 05/02/2005 Analyzed: 05/03/2005 02:18

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Aldrin	15.5	15.8	16.5	93.9	95.8	2.0	37-136	35		
Dieldrin	15.9	16.1	16.5	96.4	97.6	1.2	58-135	35		
Endrin	16.2	16.9	16.5	98.2	102.4	4.2	58-134	35		
Heptachlor	15.3	15.6	16.5	92.7	94.5	1.9	40-136	35		
4,4`-DDT	17.4	17.7	16.5	105.5	107.3	1.7	55-132	35		
gamma-BHC (Lindane)	15.3	15.7	16.5	92.7	95.2	2.7	37-137	35		
Surrogates(s)										
2,4,5,6-Tetrachloro-m-xylene	46.8	47.4	50	93.5	94.8		50-125	0		
Decachlorobiphenyl	50.9	51.5	50	101.7	103.0		46-142	0		

SEVERN TRENT STL

Submission: 2005-04-0715

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	04/22/2005 08:55	Soil	1
S-2	04/22/2005 09:02	Soil	2
S-3	04/22/2005 09:12	Soil	3
S-4	04/22/2005 09:20	Soil	4

Metals

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Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**S-2**	Lab ID:	2005-04-0715 - 2
Sampled:	04/22/2005 09:02	Extracted:	4/28/2005 05:44 4/28/2005 05:49
Matrix:	Soil	QC Batch#:	2005/04/28-01.15 2005/04/28-03.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	29	1.0	mg/Kg	1.00	04/28/2005 11:42	
Lead	120	1.0	mg/Kg	1.00	04/28/2005 11:42	
Mercury	0.090	0.050	mg/Kg	1.00	04/29/2005 11:16	

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**S-4**	Lab ID:	2005-04-0715 - 4
Sampled:	04/22/2005 09:20	Extracted:	4/28/2005 05:44 4/28/2005 05:49
Matrix:	Soil	QC Batch#:	2005/04/28-01.15 2005/04/28-03.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	24	1.0	mg/Kg	1.00	04/28/2005 11:55	
Lead	86	1.0	mg/Kg	1.00	04/28/2005 11:55	
Mercury	0.91	0.050	mg/Kg	1.00	04/29/2005 11:18	

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 7471A
Method Blank
MB: 2005/04/28-03.16-044

Soil

Test(s): 7471A
QC Batch # 2005/04/28-03.16
Date Extracted: 04/28/2005 05:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	04/29/2005 11:08	

Metals

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Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2005/04/28-03.16**

LCS 2005/04/28-03.16-045 Extracted: 04/28/2005 Analyzed: 04/29/2005 11:10
LCSD 2005/04/28-03.16-046 Extracted: 04/28/2005 Analyzed: 04/29/2005 11:11

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.502	0.507	0.500	100.4	101.4	1.0	85-115	20		

SEVERN TRENT STL

Submission: 2005-04-0715

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	04/22/2005 08:55	Soil	1
S-2	04/22/2005 09:02	Soil	2
S-3	04/22/2005 09:12	Soil	3

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
Attn.: Leo Alvarez

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Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Prep(s): 3550/8081
Sample ID: **S-2**
Sampled: 04/22/2005 09:02
Matrix: Soil
Analysis Flag: S2 (See Legend and Note Section)

Test(s): 8081
Lab ID: 2005-04-0715 - 2
Extracted: 4/28/2005 21:37
QC Batch#: 2005/04/28-02.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Dieldrin	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endrin aldehyde	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endrin	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endrin ketone	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Heptachlor	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Heptachlor epoxide	ND	20	ug/Kg	10.00	04/29/2005 21:27	
4,4`-DDT	88	20	ug/Kg	10.00	04/29/2005 21:27	
4,4`-DDE	540	20	ug/Kg	10.00	04/29/2005 21:27	
4,4`-DDD	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endosulfan I	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endosulfan II	ND	20	ug/Kg	10.00	04/29/2005 21:27	
alpha-BHC	ND	20	ug/Kg	10.00	04/29/2005 21:27	
beta-BHC	ND	20	ug/Kg	10.00	04/29/2005 21:27	
gamma-BHC (Lindane)	ND	20	ug/Kg	10.00	04/29/2005 21:27	
delta-BHC	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Endosulfan sulfate	ND	20	ug/Kg	10.00	04/29/2005 21:27	
4,4`-Methoxychlor	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Toxaphene	ND	1000	ug/Kg	10.00	04/29/2005 21:27	
Chlordane (Technical)	ND	500	ug/Kg	10.00	04/29/2005 21:27	
alpha-Chlordane	ND	20	ug/Kg	10.00	04/29/2005 21:27	
gamma-Chlordane	ND	20	ug/Kg	10.00	04/29/2005 21:27	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	NA	50-125	%	10.00	04/29/2005 21:27	
Decachlorobiphenyl (Pest/8081)	NA	46-142	%	10.00	04/29/2005 21:27	

Organochlorine Pesticides Analysis

Lowney & Associates Mountain View
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Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 3550/8081
Method Blank
MB: 2005/04/28-02.13-001

Soil

Test(s): 8081
QC Batch # 2005/04/28-02.13
Date Extracted: 04/28/2005 21:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	04/29/2005 15:42	
Dieldrin	ND	2.0	ug/Kg	04/29/2005 15:42	
Endrin aldehyde	ND	2.0	ug/Kg	04/29/2005 15:42	
Endrin	ND	2.0	ug/Kg	04/29/2005 15:42	
Endrin ketone	ND	2.0	ug/Kg	04/29/2005 15:42	
Heptachlor	ND	2.0	ug/Kg	04/29/2005 15:42	
Heptachlor epoxide	ND	2.0	ug/Kg	04/29/2005 15:42	
4,4`-DDT	ND	2.0	ug/Kg	04/29/2005 15:42	
4,4`-DDE	ND	2.0	ug/Kg	04/29/2005 15:42	
4,4`-DDD	ND	2.0	ug/Kg	04/29/2005 15:42	
Endosulfan I	ND	2.0	ug/Kg	04/29/2005 15:42	
Endosulfan II	ND	2.0	ug/Kg	04/29/2005 15:42	
alpha-BHC	ND	2.0	ug/Kg	04/29/2005 15:42	
beta-BHC	ND	2.0	ug/Kg	04/29/2005 15:42	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	04/29/2005 15:42	
delta-BHC	ND	2.0	ug/Kg	04/29/2005 15:42	
Endosulfan sulfate	ND	2.0	ug/Kg	04/29/2005 15:42	
4,4`-Methoxychlor	ND	2.0	ug/Kg	04/29/2005 15:42	
Toxaphene	ND	100	ug/Kg	04/29/2005 15:42	
Chlordane (Technical)	ND	50	ug/Kg	04/29/2005 15:42	
alpha-Chlordane	ND	2.0	ug/Kg	04/29/2005 15:42	
gamma-Chlordane	ND	2.0	ug/Kg	04/29/2005 15:42	
Surrogates(s)					
2,4,5,6-Tetrachloro-m-xylene	91.2	50-125	%	04/29/2005 15:42	
Decachlorobiphenyl (Pest/8081)	95.7	46-142	%	04/29/2005 15:42	

Organochlorine Pesticides Analysis

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Project: 869-7
North Main/ Calaveras Blvd.

Received: 04/22/2005 16:26

Batch QC Report

Prep(s): 3550/8081

Test(s): 8081

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2005/04/28-02.13**

MS/MSD

Lab ID: 2005-04-0650 - 005

MS: 2005/04/28-02.13-004 Extracted: 04/28/2005 Analyzed: 04/30/2005 00:49
Dilution: 1.00

MSD: 2005/04/28-02.13-005 Extracted: 04/28/2005 Analyzed: 04/29/2005 01:17
Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Aldrin	14.6	14.9	ND	16.6	88.0	89.8	2.0	37-136	35		
Dieldrin	23.0	20.2	ND	16.6	138.6	121.7	13.0	58-135	35	M4	
Endrin	24.6	21.8	10.0	16.6	88.0	71.1	21.2	58-134	35		
Heptachlor	15.8	15.5	ND	16.6	95.2	93.4	1.9	40-136	35		
4,4`-DDT	38.5	57.8	38.0	16.6	3.0	119.3	190.	55-132	35	M5	R2
gamma-BHC (Lindane)	15.7	15.5	ND	16.6	94.6	93.4	1.3	37-137	35		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xylen	46.6	46.9		50	93.2	93.9		50-125	0		
Decachlorobiphenyl	47.2	46.6		50	94.3	93.2		46-142	0		

Submission: 2005-04-0715

Project Verification

SEVERN TRENT

Received on: 04/22/2005 16:26
By: Afsaneh Salimpour
Cooler Tmp: 2

From: **Lowney & Associates Mountain View**
Leo Alvarez
405 Clyde Avenue
Mountain View, CA 94043-2209

Bill To: Lowney & Associates Mountain View
Carol Johnson
405 Clyde Avenue
Mountain View, CA 94043-2209

STL San Francisco
1220 Quarry Ln
Pleasanton CA 94566

Tel.: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com

CA DHS ELAP#:2496

Project#: 869-7
Project: North Main/ Calaveras Blvd.

Lab Sample #	Sample ID	Matrix		Sampled
EPA Method	Analysis		TAT	Due Date
2005-04-0715 - 1	**S-1**	**Soil**		04/22/2005 08:55
6010B/7470A	Metals *Arsenic, Lead, Mercury*		5 Day	04/29/2005 17:00
8081	Organochlorine Pesticides Analysis		5 Day	04/29/2005 17:00
2005-04-0715 - 2	**S-2**	**Soil**		04/22/2005 09:02
6010B/7470A	Metals *Arsenic, Lead, Mercury*		5 Day	04/29/2005 17:00
8081	Organochlorine Pesticides Analysis		5 Day	04/29/2005 17:00
2005-04-0715 - 3	**S-3**	**Soil**		04/22/2005 09:12
6010B/7470A	Metals *Arsenic, Lead, Mercury*		5 Day	04/29/2005 17:00
8081	Organochlorine Pesticides Analysis		5 Day	04/29/2005 17:00
2005-04-0715 - 4	**S-4**	**Soil**		04/22/2005 09:20
6010B/7470A	Metals *Arsenic, Lead, Mercury*		5 Day	04/29/2005 17:00
8081	Organochlorine Pesticides Analysis		5 Day	04/29/2005 17:00

MS - Sample will be spiked for the analysis (Matrix Spike)

STL San Francisco

Sample Receipt Checklist

Submission #:2005- 04-0315

Checklist completed by:	MN	DATE:	04/25/05
Courier: ☑ STL SF	Courier ☐ Fedex UPS Other		Client ☐

Login Details		Yes	No	Comments
1	Custody seals intact on shipping container/samples		✓	
2	Chain of custody present?	✓		
3	Chain of custody signed when relinquished and received?	✓		☐ Picked Up / Secure Location ☐ Client signature on line was not present
4	All samples checked when COC relinquished		✓	
5	Chain of custody agrees with sample labels?	✓		
6	Samples in proper container/bottle?	✓		
7	Sample containers intact?	✓		
8	Sufficient sample volume for indicated test?	✓		
9	All samples received within holding time?	✓		

Cooler Temperature Compliance Check

Temperature Blank Reading	Cooler Sample Temperature #1	#2	#3	Average
2°C				

Reason for Elevated Temperature: ☐ Ice Melted ☐ Insufficient Ice ☐ Samples in transit ☐ Sampled < 4 hrs. ☐ Not req.

Samples with Temp > 5°C - Comments

VOA Sample Inspection

	Sample #	Small	Med.	Large	Samples with broken, cracked or leaking containers
Are bubbles present in any of the VOA vials?		0	0	0	
		☐	☐	☐	
		☐	☐	☐	
		☐	☐	☐	

	Yes	No	Samples with Unacceptable pH
Water - pH acceptable upon receipt?	☐	☐	

☐ pH adjusted - Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc - Lot #(s) _____

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager (initials): _____ Date: ___/___/05 Client contacted: Yes ☐ No ☐

Summary of discussion:

Corrective Action (per PM/Client):

SSC Checklist Ver. 1.0

Lowney & Associates Mountain View June 01, 2005

405 Clyde Avenue
Mountain View, CA 94043-2209

Attn.: Leo Alvarez

Project#: C14908
Project: Midtown West Parking Garage

Dear Mr. Alvarez,

Attached is our report for your samples received on 05/26/2005 16:20
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 07/10/2005 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

Sincerely,

Afsaneh Salimpour
Project Manager

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
RS-1	05/26/2005 08:44	Soil	1
RS-2	05/26/2005 08:50	Soil	2
RS-3	05/26/2005 09:00	Soil	3
RS-4	05/26/2005 09:07	Soil	4
RS-5	05/26/2005 09:21	Soil	5
RS-6	05/26/2005 09:30	Soil	6
RS-7	05/26/2005 09:42	Soil	7
RS-8	05/26/2005 09:50	Soil	8

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**RS-1**	Lab ID:	2005-05-0740 - 1
Sampled:	05/26/2005 08:44	Extracted:	5/31/2005 14:38 5/31/2005 14:36
Matrix:	Soil	QC Batch#:	2005/05/31-01.16 2005/05/31-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	20	1.0	mg/Kg	1.00	06/01/2005 10:36	
Lead	65	1.0	mg/Kg	1.00	06/01/2005 10:36	
Mercury	0.086	0.050	mg/Kg	1.00	06/01/2005 12:30	

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**RS-2**	Lab ID:	2005-05-0740 - 2
Sampled:	05/26/2005 08:50	Extracted:	5/31/2005 14:38 5/31/2005 14:36
Matrix:	Soil	QC Batch#:	2005/05/31-01.16 2005/05/31-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	8.8	1.0	mg/Kg	1.00	06/01/2005 10:40	
Lead	16	1.0	mg/Kg	1.00	06/01/2005 10:40	
Mercury	0.051	0.050	mg/Kg	1.00	06/01/2005 12:31	

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

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Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**RS-3**	Lab ID:	2005-05-0740 - 3
Sampled:	05/26/2005 09:00	Extracted:	5/31/2005 14:38 5/31/2005 14:36
Matrix:	Soil	QC Batch#:	2005/05/31-01.16 2005/05/31-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	28	1.0	mg/Kg	1.00	06/01/2005 10:43	
Lead	85	1.0	mg/Kg	1.00	06/01/2005 10:43	
Mercury	ND	0.050	mg/Kg	1.00	06/01/2005 12:32	

Metals

Lowney & Associates Mountain View
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Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**RS-4**	Lab ID:	2005-05-0740 - 4
Sampled:	05/26/2005 09:07	Extracted:	5/31/2005 14:38 5/31/2005 14:36
Matrix:	Soil	QC Batch#:	2005/05/31-01.16 2005/05/31-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	7.1	1.0	mg/Kg	1.00	06/01/2005 10:47	
Lead	7.6	1.0	mg/Kg	1.00	06/01/2005 10:47	
Mercury	ND	0.050	mg/Kg	1.00	06/01/2005 12:33	

Metals

Lowney & Associates Mountain View
Attn.: Leo Alvarez

405 Clyde Avenue
Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**RS-5**	Lab ID:	2005-05-0740 - 5
Sampled:	05/26/2005 09:21	Extracted:	5/31/2005 14:38 5/31/2005 14:36
Matrix:	Soil	QC Batch#:	2005/05/31-01.16 2005/05/31-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	16	1.0	mg/Kg	1.00	06/01/2005 10:50	
Lead	7.9	1.0	mg/Kg	1.00	06/01/2005 10:50	
Mercury	0.10	0.050	mg/Kg	1.00	06/01/2005 12:35	

Metals

Lowney & Associates Mountain View

Attn.: Leo Alvarez

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Mountain View, CA 94043-2209
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**RS-6**	Lab ID:	2005-05-0740 - 6
Sampled:	05/26/2005 09:30	Extracted:	5/31/2005 14:38 5/31/2005 14:36
Matrix:	Soil	QC Batch#:	2005/05/31-01.16 2005/05/31-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	26	1.0	mg/Kg	1.00	06/01/2005 10:54	
Lead	67	1.0	mg/Kg	1.00	06/01/2005 10:54	
Mercury	0.062	0.050	mg/Kg	1.00	06/01/2005 12:38	

Metals

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Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**RS-7**	Lab ID:	2005-05-0740 - 7
Sampled:	05/26/2005 09:42	Extracted:	5/31/2005 14:38 5/31/2005 14:36
Matrix:	Soil	QC Batch#:	2005/05/31-01.16 2005/05/31-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	16	1.0	mg/Kg	1.00	06/01/2005 11:04	
Lead	33	1.0	mg/Kg	1.00	06/01/2005 11:04	
Mercury	0.075	0.050	mg/Kg	1.00	06/01/2005 12:40	

Metals

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Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	**RS-8**	Lab ID:	2005-05-0740 - 8
Sampled:	05/26/2005 09:50	Extracted:	5/31/2005 14:38 5/31/2005 14:36
Matrix:	Soil	QC Batch#:	2005/05/31-01.16 2005/05/31-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	5.5	1.0	mg/Kg	1.00	06/01/2005 11:08	
Lead	9.9	1.0	mg/Kg	1.00	06/01/2005 11:08	
Mercury	ND	0.050	mg/Kg	1.00	06/01/2005 12:41	

Metals

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Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Batch QC Report

Prep(s): 7471A
Test(s): 7471A

Method Blank **Soil** **QC Batch # 2005/05/31-01.16**

MB: 2005/05/31-01.16-045
Date Extracted: 05/31/2005 14:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	06/01/2005 12:09	

Metals

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Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Batch QC Report

Prep(s): 3050B
Test(s): 6010B

Method Blank **Soil** **QC Batch # 2005/05/31-05.15**

MB: 2005/05/31-05.15-020
Date Extracted: 05/31/2005 14:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Arsenic	ND	1.0	mg/Kg	06/01/2005 09:28	
Lead	ND	1.0	mg/Kg	06/01/2005 09:28	

Metals

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Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2005/05/31-01.16**

LCS 2005/05/31-01.16-046 Extracted: 05/31/2005 Analyzed: 06/01/2005 12:10
LCSD 2005/05/31-01.16-047 Extracted: 05/31/2005 Analyzed: 06/01/2005 12:11

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.545	0.534	0.500	109.0	106.8	2.0	85-115	20		

Metals

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Project: C14908
Midtown West Parking Garage

Received: 05/26/2005 16:20

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2005/05/31-05.15**

LCS 2005/05/31-05.15-021 Extracted: 05/31/2005 Analyzed: 06/01/2005 09:37
LCSD 2005/05/31-05.15-022 Extracted: 05/31/2005 Analyzed: 06/01/2005 09:41

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Arsenic	112	115	100.0	112.0	115.0	2.6	80-120	20		
Lead	99.6	102	100.0	99.6	102.0	2.4	80-120	20		

LOWNEY ASSOCIATES
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San Ramon 94583
Tel: 925.275.2555
Fax: 925.275.2555

2005-05-0740

CHAIN OF CUSTODY RECORD

Project Name: Midtown West Parking Garage
Job No.: C14908
Report To: Leo Alvarez
Sampler (print): Alyx Brun
Sampler (signature): [signature]

Electronic Deliverable Format Required: ☐ YES ☑ NO

EDF LOGCODE: ☐ LAMV ☐ LAO ☐ LAF

Global ID # :

Turnaround Requirements
- ☑ **5 Working Days**
- ☐ **48 Hours**
- ☐ **24 Hours**
- ☐ **2-3 Hours RUSH**
- ☐ _____

QC Requirement:
☒ **Level A (standard)**

ANALYSES REQUESTED 115422

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	# of cont.	Preserved?	TPH as gas/BTEX/MTBE Method: ☐8015/8021 ☐8260	TPH as diesel (8015M) ☐add silica gel column ☐add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: ☐8021 ☐8260 ☐add BTEX	Organochlorine Pesticides (8081)	Metals: ~~EPA~~ As, Pb, Hg ☐17 CAM EPA 6010/7000	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)				Remarks
RS-1	5/26/05	0844		Soil	1	N						✓							
-2	↓	0850		↓	↓	↓						↓							
-3		0900																	
-4		0907																	
-5		0921																	
-6		0930																	
-7		0942																	
-8	↓	0950		↓	↓	↓						↓							

Relinquished By: [signature]	Date: 5/26/05	Time: 1415	Received By: [signature] Date: 5/26/05 Time: 1510
Relinquished By: [signature]	Date: 5/26/05	Time: 1620	Received By: Date: Time:
Relinquished By:	Date:	Time:	Lab of Record:
			Received by Lab: [signature] Date: 5/26/05 Time: 1620

PM Initial:

Temp: 4°C