

December 10, 2009

Robert Scott
URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

DOCKET	
08-AFC-12	
DATE	DEC 10 2009
RECD.	DEC 18 2009

Subject: **CalScience Work Order No.: 09-12-0249**
Client Reference: SJS 1 & 2 / 27658034.03000

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/3/2009 and analyzed in accordance with the attached chain-of-custody.

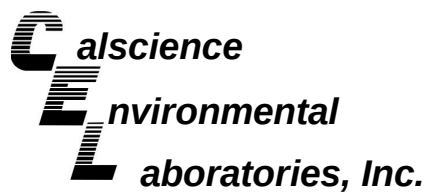
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Vikas Patel

CalScience Environmental
Laboratories, Inc.
Vikas Patel
Project Manager



Analytical Report



URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received: 12/03/09
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project: SJS 1 & 2 / 27658034.03000

Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SJS-01-13-A@4'-5'	09-12-0249-1-A	12/01/09 13:25	Solid	ICP 5300	12/04/09	12/04/09 20:36	091204L06

Parameter	Result	RL	DF	Qual	Units
Arsenic	78.3	0.750	1		mg/kg

SJS-01-13-B@4'-5'	09-12-0249-2-A	12/01/09 13:45	Solid	ICP 5300	12/04/09	12/04/09 20:39	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	90.4	0.750	1		mg/kg

SJS-01-12-A@4'-5'	09-12-0249-3-A	12/01/09 14:05	Solid	ICP 5300	12/04/09	12/04/09 20:42	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	150	0.750	1		mg/kg

SJS-01-12-B@4'-5'	09-12-0249-4-A	12/01/09 14:25	Solid	ICP 5300	12/04/09	12/04/09 20:44	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	104	0.750	1		mg/kg

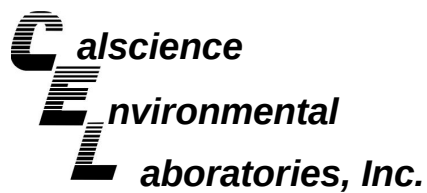
SJS-01-16-A@9'-10'	09-12-0249-5-A	12/01/09 11:15	Solid	ICP 5300	12/04/09	12/04/09 20:45	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	23.2	0.750	1		mg/kg

SJS-01-16-B@9'-10'	09-12-0249-6-A	12/01/09 11:35	Solid	ICP 5300	12/04/09	12/04/09 20:46	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	8.02	0.750	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



URS Corporation
1615 Murray Canyon Road, Suite 1000
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Date Received: 12/03/09
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project: SJS 1 & 2 / 27658034.03000

Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SJS-01-16-C@9'-10'	09-12-0249-7-A	12/01/09 11:50	Solid	ICP 5300	12/04/09	12/04/09 20:47	091204L06

Parameter	Result	RL	DF	Qual	Units
Arsenic	13.2	0.750	1		mg/kg

SJS-01-15-A@9'-10'	09-12-0249-8-A	12/01/09 14:55	Solid	ICP 5300	12/04/09	12/04/09 20:49	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	17.4	0.750	1		mg/kg

SJS-01-15-B@9'-10'	09-12-0249-9-A	12/01/09 15:10	Solid	ICP 5300	12/04/09	12/04/09 20:50	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	12.5	0.750	1		mg/kg

SJS-01-15-C@9'-10'	09-12-0249-10-A	12/01/09 15:25	Solid	ICP 5300	12/04/09	12/04/09 20:51	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	13.8	0.750	1		mg/kg

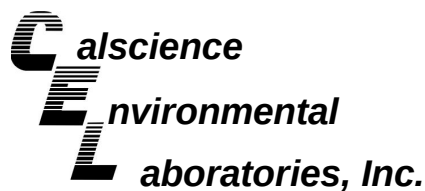
SJS-01-16-A@4'-5'	09-12-0249-11-A	12/01/09 11:10	Solid	ICP 5300	12/04/09	12/04/09 20:52	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	56.9	0.750	1		mg/kg

SJS-01-16-B@4'-5'	09-12-0249-12-A	12/01/09 11:30	Solid	ICP 5300	12/04/09	12/04/09 20:53	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	20.1	0.750	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received: 12/03/09
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project: SJS 1 & 2 / 27658034.03000

Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SJS-01-16-C@4'-5'	09-12-0249-13-A	12/01/09 11:45	Solid	ICP 5300	12/04/09	12/04/09 20:57	091204L06

Parameter	Result	RL	DF	Qual	Units
Arsenic	26.4	0.750	1		mg/kg

SJS-01-15-A@4'-5'	09-12-0249-14-A	12/01/09 14:50	Solid	ICP 5300	12/04/09	12/04/09 20:58	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	8.80	0.750	1		mg/kg

SJS-01-15-B@4'-5'	09-12-0249-15-A	12/01/09 15:05	Solid	ICP 5300	12/04/09	12/04/09 20:59	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	11.1	0.750	1		mg/kg

SJS-01-15-C@4'-5'	09-12-0249-16-A	12/01/09 15:20	Solid	ICP 5300	12/04/09	12/04/09 21:00	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	16.4	0.750	1		mg/kg

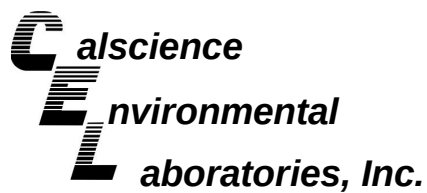
SJS-01-13A-A@4'-5'	09-12-0249-17-A	12/01/09 13:00	Solid	ICP 5300	12/04/09	12/04/09 21:01	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	14.9	0.750	1		mg/kg

SJS-01-13A-B@4'-5'	09-12-0249-18-A	12/01/09 12:45	Solid	ICP 5300	12/04/09	12/04/09 21:02	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	15.2	0.750	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received: 12/03/09
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project: SJS 1 & 2 / 27658034.03000

Page 4 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SJS-01-13A-C@4'-5'	09-12-0249-19-A	12/01/09 12:10	Solid	ICP 5300	12/04/09	12/04/09 21:03	091204L06

Parameter	Result	RL	DF	Qual	Units
Arsenic	11.4	0.750	1		mg/kg

SJS-01-13A-A@9'-10'	09-12-0249-20-A	12/01/09 13:05	Solid	ICP 5300	12/04/09	12/04/09 21:05	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	22.7	0.750	1		mg/kg

SJS-01-13A-B@9'-10'	09-12-0249-21-A	12/01/09 12:50	Solid	ICP 5300	12/04/09	12/04/09 21:06	091204L07
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Parameter	Result	RL	DF	Qual	Units
Arsenic	11.1	0.750	1		mg/kg

SJS-01-13A-C@9'-10'	09-12-0249-22-A	12/01/09 12:15	Solid	ICP 5300	12/04/09	12/04/09 21:07	091204L07
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Parameter	Result	RL	DF	Qual	Units
Arsenic	10.5	0.750	1		mg/kg

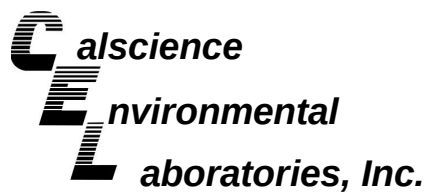
SJS-01-13A@9'-10'	09-12-0249-23-A	12/01/09 13:35	Solid	ICP 5300	12/04/09	12/04/09 21:10	091204L07
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Parameter	Result	RL	DF	Qual	Units
Arsenic	114	0.750	1		mg/kg

SJS-01-13-B@9'-10'	09-12-0249-24-A	12/01/09 13:55	Solid	ICP 5300	12/04/09	12/04/09 21:11	091204L07
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Parameter	Result	RL	DF	Qual	Units
Arsenic	13.0	0.750	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received: 12/03/09
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project: SJS 1 & 2 / 27658034.03000

Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SJS-01-12-A@9'-10'	09-12-0249-25-A	12/01/09 14:10	Solid	ICP 5300	12/04/09	12/04/09 21:12	091204L07

Parameter	Result	RL	DF	Qual	Units
Arsenic	201	0.750	1		mg/kg

SJS-01-12-B@9'-10'	09-12-0249-26-A	12/01/09 14:30	Solid	ICP 5300	12/04/09	12/04/09 21:13	091204L07
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Parameter	Result	RL	DF	Qual	Units
Arsenic	19.2	0.750	1		mg/kg

Method Blank	097-01-002-13,000	N/A	Solid	ICP 5300	12/04/09	12/04/09 20:24	091204L06
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Parameter	Result	RL	DF	Qual	Units
Arsenic	ND	0.750	1		mg/kg

Method Blank	097-01-002-13,001	N/A	Solid	ICP 5300	12/04/09	12/04/09 20:25	091204L07
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Parameter	Result	RL	DF	Qual	Units
Arsenic	ND	0.750	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



URS Corporation
 1615 Murray Canyon Road, Suite 1000
 San Diego, CA 92108-4319

Date Received: 12/03/09
 Work Order No: 09-12-0249
 Preparation: EPA 3545
 Method: EPA 8270C SIM
 Units: mg/kg

Project: SJS 1 & 2 / 27658034.03000

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SJS-01-13-A@4'-5'	09-12-0249-1-A	12/01/09 13:25	Solid	GC/MS MM	12/05/09	12/07/09 22:08	091205L07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.010	1		Chrysene	0.022	0.010	1	
Acenaphthylene	ND	0.010	1		Dibenz (a,h) Anthracene	ND	0.010	1	
Anthracene	ND	0.010	1		Fluoranthene	0.017	0.010	1	
Benzo (a) Anthracene	ND	0.010	1		Fluorene	ND	0.010	1	
Benzo (a) Pyrene	0.012	0.010	1		Indeno (1,2,3-c,d) Pyrene	0.027	0.010	1	
Benzo (b) Fluoranthene	0.016	0.010	1		Naphthalene	ND	0.010	1	
Benzo (g,h,i) Perylene	0.025	0.010	1		Phenanthrene	ND	0.010	1	
Benzo (k) Fluoranthene	0.016	0.010	1		Pyrene	0.019	0.010	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
2,4,6-Tribromophenol	89	32-143			2-Fluorobiphenyl	86	14-146		
2-Fluorophenol	79	15-138			Nitrobenzene-d5	90	18-162		
p-Terphenyl-d14	85	34-148			Phenol-d6	82	17-141		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SJS-01-13-B@4'-5'	09-12-0249-2-A	12/01/09 13:45	Solid	GC/MS MM	12/05/09	12/07/09 19:39	091205L07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.010	1		Chrysene	ND	0.010	1	
Acenaphthylene	ND	0.010	1		Dibenz (a,h) Anthracene	ND	0.010	1	
Anthracene	ND	0.010	1		Fluoranthene	ND	0.010	1	
Benzo (a) Anthracene	ND	0.010	1		Fluorene	ND	0.010	1	
Benzo (a) Pyrene	ND	0.010	1		Indeno (1,2,3-c,d) Pyrene	ND	0.010	1	
Benzo (b) Fluoranthene	ND	0.010	1		Naphthalene	ND	0.010	1	
Benzo (g,h,i) Perylene	ND	0.010	1		Phenanthrene	ND	0.010	1	
Benzo (k) Fluoranthene	ND	0.010	1		Pyrene	ND	0.010	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
2,4,6-Tribromophenol	95	32-143			2-Fluorobiphenyl	94	14-146		
2-Fluorophenol	82	15-138			Nitrobenzene-d5	103	18-162		
p-Terphenyl-d14	96	34-148			Phenol-d6	86	17-141		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



URS Corporation
 1615 Murray Canyon Road, Suite 1000
 San Diego, CA 92108-4319

Date Received: 12/03/09
 Work Order No: 09-12-0249
 Preparation: EPA 3545
 Method: EPA 8270C SIM
 Units: mg/kg

Project: SJS 1 & 2 / 27658034.03000

Page 2 of 2

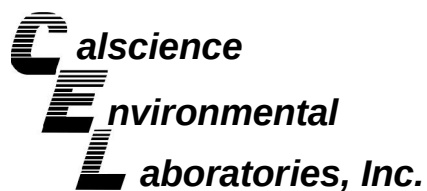
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SJS-01-12-A@4'-5'	09-12-0249-3-A	12/01/09 14:05	Solid	GC/MS MM	12/05/09	12/07/09 20:04	091205L07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.010	1		Chrysene	ND	0.010	1	
Acenaphthylene	ND	0.010	1		Dibenz (a,h) Anthracene	ND	0.010	1	
Anthracene	ND	0.010	1		Fluoranthene	ND	0.010	1	
Benzo (a) Anthracene	ND	0.010	1		Fluorene	ND	0.010	1	
Benzo (a) Pyrene	ND	0.010	1		Indeno (1,2,3-c,d) Pyrene	ND	0.010	1	
Benzo (b) Fluoranthene	ND	0.010	1		Naphthalene	ND	0.010	1	
Benzo (g,h,i) Perylene	ND	0.010	1		Phenanthrene	ND	0.010	1	
Benzo (k) Fluoranthene	ND	0.010	1		Pyrene	ND	0.010	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
2,4,6-Tribromophenol	87	32-143			2-Fluorobiphenyl	84	14-146		
2-Fluorophenol	73	15-138			Nitrobenzene-d5	95	18-162		
p-Terphenyl-d14	85	34-148			Phenol-d6	79	17-141		

Method Blank	099-12-413-210	N/A	Solid	GC/MS MM	12/05/09	12/07/09 18:25	091205L07
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	0.010	1		Chrysene	ND	0.010	1	
Acenaphthylene	ND	0.010	1		Dibenz (a,h) Anthracene	ND	0.010	1	
Anthracene	ND	0.010	1		Fluoranthene	ND	0.010	1	
Benzo (a) Anthracene	ND	0.010	1		Fluorene	ND	0.010	1	
Benzo (a) Pyrene	ND	0.010	1		Indeno (1,2,3-c,d) Pyrene	ND	0.010	1	
Benzo (b) Fluoranthene	ND	0.010	1		Naphthalene	ND	0.010	1	
Benzo (g,h,i) Perylene	ND	0.010	1		Phenanthrene	ND	0.010	1	
Benzo (k) Fluoranthene	ND	0.010	1		Pyrene	ND	0.010	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
2,4,6-Tribromophenol	56	32-143			2-Fluorobiphenyl	71	14-146		
2-Fluorophenol	59	15-138			Nitrobenzene-d5	83	18-162		
p-Terphenyl-d14	60	34-148			Phenol-d6	68	17-141		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

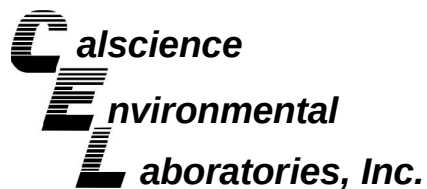
Date Received: 12/03/09
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project SJS 1 & 2 / 27658034.03000

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SJS-01-13-A@4'-5'	Solid	ICP 5300	12/04/09	12/04/09	091204S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	141	122	75-125	4	0-20	3

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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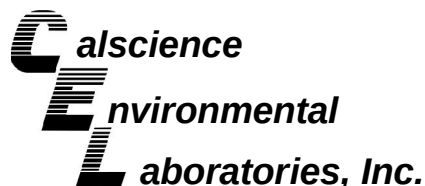
Date Received: 12/03/09
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project SJS 1 & 2 / 27658034.03000

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-0228-1	Solid	ICP 5300	12/04/09	12/04/09	091204S07

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	87	74	75-125	11	0-20	3

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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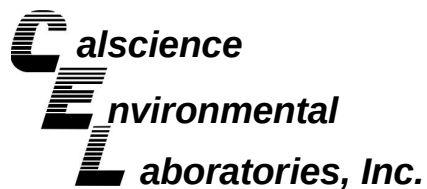
Date Received: 12/03/09
Work Order No: 09-12-0249
Preparation: EPA 3545
Method: EPA 8270C SIM

Project SJS 1 & 2 / 27658034.03000

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-0440-2	Solid	GC/MS MM	12/05/09	12/07/09	091205S07

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	83	85	40-160	2	0-20	
2,4-Dichlorophenol	79	79	40-160	1	0-20	
2-Methylphenol	87	88	40-160	1	0-20	
2-Nitrophenol	68	68	40-160	0	0-20	
4-Chloro-3-Methylphenol	89	91	40-160	2	0-20	
Acenaphthene	89	90	40-106	1	0-20	
Benzo (a) Pyrene	88	89	17-163	1	0-20	
Chrysene	89	89	17-168	0	0-20	
Di-n-Butyl Phthalate	74	78	40-160	5	0-20	
Dimethyl Phthalate	89	89	40-160	0	0-20	
Fluoranthene	85	85	26-137	1	0-20	
Fluorene	88	88	59-121	0	0-20	
N-Nitrosodimethylamine	88	89	40-160	1	0-20	
Naphthalene	82	83	21-133	2	0-20	
Phenanthrene	88	89	54-120	1	0-20	
Phenol	88	87	40-160	2	0-20	
Pyrene	90	90	6-156	0	0-46	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

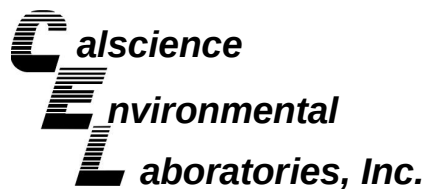
Date Received: N/A
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project: SJS 1 & 2 / 27658034.03000

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-13,000	Solid	ICP 5300	12/04/09	12/04/09	091204L06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	101	106	80-120	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

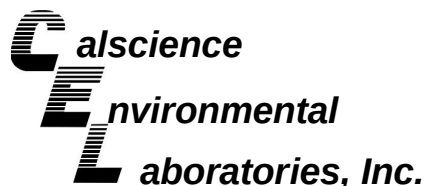
Date Received: N/A
Work Order No: 09-12-0249
Preparation: EPA 3050B
Method: EPA 6010B

Project: SJS 1 & 2 / 27658034.03000

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-13,001	Solid	ICP 5300	12/04/09	12/04/09	091204L07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	104	98	80-120	7	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received: N/A
Work Order No: 09-12-0249
Preparation: EPA 3545
Method: EPA 8270C SIM

Project: SJS 1 & 2 / 27658034.03000

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-413-210	Solid	GC/MS MM	12/05/09	12/07/09	091205L07		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	74	72	40-160	20-180	2	0-20	ME
2,4-Dichlorophenol	73	68	40-160	20-180	7	0-20	
2-Methylphenol	39	40	40-160	20-180	2	0-20	
2-Nitrophenol	65	65	40-160	20-180	0	0-20	
4-Chloro-3-Methylphenol	76	76	40-160	20-180	0	0-20	
Acenaphthene	85	84	48-108	38-118	1	0-11	
Benzo (a) Pyrene	66	66	17-163	0-187	1	0-20	
Chrysene	80	81	17-168	0-193	1	0-20	
Di-n-Butyl Phthalate	77	84	40-160	20-180	9	0-20	
Dimethyl Phthalate	85	85	40-160	20-180	0	0-20	
Fluoranthene	82	81	26-137	8-156	2	0-20	
Fluorene	88	87	59-121	49-131	1	0-20	
N-Nitrosodimethylamine	43	43	40-160	20-180	0	0-20	
Naphthalene	87	88	21-133	2-152	1	0-20	
Phenanthrene	86	85	54-120	43-131	1	0-20	
Phenol	82	82	40-160	20-180	0	0-20	
Pyrene	81	82	28-106	15-119	2	0-16	

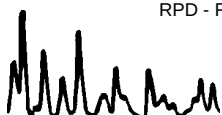
Total number of LCS compounds : 17

Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

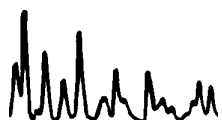


Glossary of Terms and Qualifiers



Work Order Number: 09-12-0249

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





Calscience Environmental Laboratories, Inc.

☒ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 889-9022

CHAIN OF CUSTODY RECORD

Date 12-1-09

Page 1 of 3

LABORATORY CLIENT: <u>UPS Corp.</u>		CLIENT PROJECT NAME / NUMBER: <u>SJS 142</u>		P.O. NO.: <u>27658034.03000</u>																				
ADDRESS: <u>1615 Murray Canyon Road #100</u>		PROJECT CONTACT: <u>Robert Scott</u>		LAB USE ONLY																				
CITY: <u>San Diego</u> STATE: <u>CA</u> ZIP: <u>92108</u>		SAMPLER(S): (PRINT) <u>Dillon Kass</u>		COOLER RECEIPT: <u>7</u> <u>2</u> <u>0</u> <u>2</u> <u>4</u> <u>9</u>																				
TEL: <u>619-294-9400</u> E-MAIL: <u>robert.scott@urscorp.com</u>		COELT LOG CODE: ☐ ☐ ☐ ☐		TEMP: <u> </u> °C																				
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ STANDARD		REQUESTED ANALYSES																						
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐																								
SPECIAL INSTRUCTIONS:																								
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH ()	BTEX / MTBE (8260B) or ()	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3+]	Arsenic EPA6090	PAHs EPA8310/8270	
1	SJS-01-13A04-5		12-1-09	1325	S	1																		
2	SJS-01-13B04-5			1345		1																		
3	SJS-01-12-A04-5			1405		1																		
4	SJS-01-12-B04-5			1425		1																		
5	SJS-01-16-A09-10			1115		1																		
6	SJS-01-16-B09-10			1135		1																		
7	SJS-01-16-C09-10			1150		1																		
8	SJS-01-15-A09-10			1455		1																		
9	SJS-01-15-B09-10			1510		1																		
10	SJS-01-15-C09-10			1525		1																		
Relinquished by: (Signature) <u>Dillon Kass</u>		Received by: (Signature/Affiliation)		Date: <u>12-2-09</u>		Time: <u>1200</u>																		
Relinquished by: (Signature) <u>80X 798185743322</u>		Received by: (Signature/Affiliation)		Date: <u>12-03-09</u>		Time: <u>1000</u>																		
Relinquished by: (Signature)		Received by: (Signature/Affiliation)		Date:		Time:																		

CHAIN OF CUSTODY RECORD

Date 12-1-09

Page 2 of 3

[illegible]

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision



Calscience Environmental Laboratories, Inc.

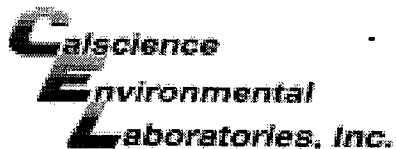
☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 12-1-09
Page 3 of 3

LABORATORY CLIENT:		CLIENT PROJECT NAME / NUMBER:		P.O. NO.:																			
ADDRESS:		PROJECT CONTACT:																					
CITY	STATE	ZIP																					
TEL:	E-MAIL:																						
TURNAROUND TIME:		COELT LOG CODE		TEMP= °C																			
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD		☐ ☐ ☐ ☐																					
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)		COOLER RECEIPT																					
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐		12-0249																					
SPECIAL INSTRUCTIONS:																							
SAMPLE ID		FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	TIME	MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (MTBE (8260B) or)	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) (TO-37)	Asbestos EPA 6010	PAHs EPA 8310/8270	
20	SSS-01-13A-A09-10'		12-1-09	1305	S	1																	
21	SSS-01-13A-B09-10'			1250		1																	
22	SSS-01-13A-C09-10'			1215		1																	
23	SSS-01-13-A09-10'			1335		1																	
24	SSS-01-13-B09-10'			1355		1																	
25	SSS-01-12-A09-10'			1410		1																	
26	SSS-01-12-B09-10'			1430		1																	
Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature/Affiliation) <u>Dillon Kass</u>		Date: <u>12-2-09</u>		Time: <u>1200</u>																	
Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature/Affiliation) <u>CEL</u>		Date: <u>12-03-09</u>		Time: <u>1000</u>																	
Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature/Affiliation) <u>[Signature]</u>		Date: <u></u>		Time: <u></u>																	



WORK ORDER #: 09-12-0249

SAMPLE RECEIPT FORMCooler 1 of 1CLIENT: URSDATE: 12/03/09**TEMPERATURE:** (Criteria: 0.0 °C – 6.0 °C, not frozen)Temperature 4.9 °C - 0.8 °C (CF) = 4.1 °C ☐ Blank ☒ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.☐ Received at ambient temperature, placed on ice for transport by Courier.Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs OnlyInitial: YL**CUSTODY SEALS INTACT:**☐ Cooler ☐ _____ ☐ No (Not Intact) ☒ Not Present ☐ N/AInitial: YL☐ Sample ☐ _____ ☐ No (Not Intact) ☒ Not PresentInitial: YL**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☒	☐	☐
COC document(s) received complete.....	☒	☐	☐

☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.

Sampler's name indicated on COC.....	☒	☐	☐
--------------------------------------	-------------------------------------	--------------------------	--------------------------

Sample container label(s) consistent with COC.....	☒	☒	☐
--	-------------------------------------	-------------------------------------	--------------------------

Sample container(s) intact and good condition.....	☒	☐	☐
--	-------------------------------------	--------------------------	--------------------------

Correct containers and volume for analyses requested.....	☒	☐	☐
---	-------------------------------------	--------------------------	--------------------------

Analyses received within holding time.....	☒	☐	☐
--	-------------------------------------	--------------------------	--------------------------

Proper preservation noted on COC or sample container.....	☐	☐	☒
---	--------------------------	--------------------------	-------------------------------------

☐ Unpreserved vials received for Volatiles analysis

Volatile analysis container(s) free of headspace.....	☐	☐	☒
---	--------------------------	--------------------------	-------------------------------------

Tedlar bag(s) free of condensation.....	☐	☐	☒
---	--------------------------	--------------------------	-------------------------------------

CONTAINER TYPE:Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☒ Sleeve ☐ EnCores® ☐ TerraCores® ☐ _____Water: ☐ VOA ☐ VOA_h ☐ VOA_{na2} ☐ 125AGB ☐ 125AGB_h ☐ 125AGB_p ☐ 1AGB ☐ 1AGB_{na2} ☐ 1AGB_s☐ 500AGB ☐ 500AGJ ☐ 500AGJ_s ☐ 250AGB ☐ 250CGB ☐ 250CGB_s ☐ 1PB ☐ 500PB ☐ 500PB_{na}☐ 250PB ☐ 250PB_n ☐ 125PB ☐ 125PB_{znna} ☐ 100PJ ☐ 100PJ_{na2} ☐ _____ ☐ _____ ☐ _____Air: ☐ Tedlar® ☐ Summa® Other: ☐ _____ Trip Blank Lot#: _____ Checked by: YLContainer: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelop Reviewed by: MSCPreservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ Na: NaOH p: H₃PO₄ s: H₂SO₄ znna: ZnAc₂+NaOH f: Field-filtered Scanned by: YL

WORK ORDER #: 09-12-0249

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

(-22) SJS-01-13A-C @ 9'-10'
collection time is 1230
per label

- ☐ Samples NOT RECEIVED but listed on COC
- ☐ Samples received but NOT LISTED on COC
- ☐ Holding time expired – list sample ID(s) and test
- ☐ Insufficient quantities for analysis – list test
- ☐ Improper container(s)/preservative used – list test
- ☐ No preservative noted on COC or label – list test & notify lab
- ☐ Sample labels illegible – note test/container type
- ☒ Sample labels do not match COC – Note in comments
 - ☐ Sample ID
 - ☒ Date and/or Time Collected
 - ☐ Project Information
 - ☐ # of Containers
 - ☐ Analysis
- ☐ Sample containers compromised – Note in comments
 - ☐ Leaking
 - ☐ Broken
 - ☐ Without Labels
- ☐ Air sample containers compromised – Note in comments
 - ☐ Flat
 - ☐ Very low in volume
 - ☐ Leaking (Not transferred - duplicate bag submitted)
 - ☐ Leaking (transferred into Calscience Tedlar® Bag*)
 - ☐ Leaking (transferred into Client's Tedlar® Bag*)
- ☐ Other: _____

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: YL 12/03/09