APPENDIX C

Laboratory Analytical Certificates and Data Validation

APPENDIX C

Data Validation
Burn Debris Sampling
December 14, 2007

Level II data packages produced by Calscience Environmental Laboratories, Inc. were received in December 2007 at the Geosyntec Consultants San Diego, California office for data validation.

Calscience Work Order No.: 07-11-1933

Samples were analyzed for:

EPA 6010B Metals
EPA 8310 PAHs
EPA 7196A Hexavalent Chromium

According to the chain-of-custody all samples were analyzed for the requested analyses and all technical holding times were met.

Recovery outside of control limits was reported for PAHs, selenium, and zinc and matrix interference of barium in the MS/MSD quality control samples. The data was not qualified due to the associated LCS/LCSD being within control limits.

All method quality control samples were within acceptable criteria. No data were qualified and all data are considered usable.

Calscience Work Order No.: 07-11-2008

Samples were analyzed for:

EPA 6010B Metals
EPA 8310 PAHs
EPA 7196A Hexavalent Chromium

According to the chain-of-custody all samples were analyzed for the requested analyses and all technical holding times were met.

Recovery and/or relative percent difference (RPD) outside of control limits was reported for PAHs, antimony, cadmium, lead, and thallium in the MS/MSD quality control samples. Barium, copper, and zinc was outside of control limits in the MS/MSD quality control samples due to matrix interference. The data was not qualified due to the associated LCS/LCSD being within control limits.

Due to surrogate recovery exceeding the upper control limit, detections of PAHs in samples SB-28-112807 and SB-28C-112807 are J qualified as estimated.

All method quality control samples were within acceptable criteria. No other qualifiers are applied to the data.

Calscience Work Order No.: 07-11-2009

Samples were analyzed for:

EPA 6010B Metals
EPA 8310 PAHs

According to the chain-of-custody all samples were analyzed for the requested analyses and all technical holding times were met.

Recovery and/or relative percent difference (RPD) outside of control limits was reported for PAHs, antimony, cadmium, lead, thallium, and mercury in the MS/MSD quality control samples. Barium, copper, and zinc were outside of control limits in the MS/MSD quality control samples due to matrix interference. The data was not qualified due to the associated LCS/LCSD being within control limits.

All method quality control samples were within acceptable criteria. No data were qualified and all data are considered usable.

Calscience Work Order No.: 07-11-2022

Samples were analyzed for:

EPA 6010B Metals
EPA 7010 Arsenic
EPA 8310 PAHs
EPA 7196A Hexavalent Chromium

According to the chain-of-custody all samples were analyzed for the requested analyses and all technical holding times were met.

Recovery and/or relative percent difference (RPD) outside of control limits was reported for PAHs, arsenic, copper, nickel, thallium, and mercury in the MS/MSD quality control samples. Barium, vanadium, and zinc were outside of control limits in the MS/MSD quality control samples due to matrix interference. The data was not qualified due to the associated LCS/LCSD being within control limits.

Due to surrogate recovery exceeding the upper control limit, detections of PAHs in samples SD-41-11272007 and SD-22-11272007 are J qualified as estimated.

All method quality control samples were within acceptable criteria. No other qualifiers are applied to the data.

Calscience Work Order No.: 07-11-2096

Samples were analyzed for:

EPA 6010B Metals
EPA 8310 PAHs
EPA 7196A Hexavalent Chromium

According to the chain-of-custody all samples were analyzed for the requested analyses and all technical holding times were met.

Recovery and/or relative percent difference (RPD) outside of control limits was reported for PAHs, antimony, arsenic, chromium, silver, and thallium in the MS/MSD quality control samples. Barium, copper, lead, and zinc were outside of control limits in the MS/MSD quality control samples due to matrix interference. The data was not qualified due to the associated LCS/LCSD being within control limits.

Due to surrogate recovery exceeding the upper control limit, detections of PAHs in samples SB-31-112807, SB-25A-112807, and SB-40-112807 are J qualified as estimated.

All method quality control samples were within acceptable criteria. No other qualifiers are applied to the data.

Calscience Work Order No.: 07-11-2129

Samples were analyzed for:

EPA 6010B Metals
EPA 8310 PAHs
EPA 7196A Hexavalent Chromium

According to the chain-of-custody all samples were analyzed for the requested analyses and all technical holding times were met.

Recovery and/or relative percent difference (RPD) outside of control limits was reported for PAHs, arsenic, silver, thallium, and mercury in the MS/MSD quality control samples. Barium, copper, lead, and zinc were outside of control limits in the MS/MSD quality control samples due to matrix interference. The data was not qualified due to the associated LCS/LCSD being within control limits.

All method quality control samples were within acceptable criteria. No data were qualified and all data are considered usable.

Calscience Work Order No.: 07-11-2130

Samples were analyzed for:

EPA 6010B Metals
EPA 8310 PAHs

According to the chain-of-custody all samples were analyzed for the requested analyses and all technical holding times were met.

Recovery and/or relative percent difference (RPD) outside of control limits was reported for PAHs, antimony, arsenic, chromium, silver, and thallium in the MS/MSD quality control samples. Barium, copper, lead, and zinc were outside of control limits in the MS/MSD quality control samples due to matrix interference. The data was not qualified due to the associated LCS/LCSD being within control limits.

All method quality control samples were within acceptable criteria. No data were qualified and all data are considered usable.

Calscience Work Order No.: 07-12-0014

Samples were analyzed for:

EPA 6010B Metals
EPA 8310 PAHs
EPA 7196A Hexavalent Chromium

According to the chain-of-custody all samples were analyzed for the requested analyses and all technical holding times were met.

Recovery and/or relative percent difference (RPD) outside of control limits was reported for PAHs and antimony in the MS/MSD quality control samples. The data was not qualified due to the associated LCS/LCSD being within control limits.

All method quality control samples were within acceptable criteria. No data were qualified and all data are considered usable.

Submitted by:

Shana McCarthy
Geosyntec Consultants

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 13, 2007

Additional requested analyses have been added to the original report.

Veryl Wittig
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-11-1933**
Client Reference: Burn Debris Sample / SC0459

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/27/2007 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/27/07
Work Order No:	07-11-1933
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-34-11262007	**07-11-1933-1-A**	**11/26/07**	**Solid**	**ICP 5300**	**11/28/07**	**11/29/07**	**071128L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/28/2007 2:45:27 PM with batch 071128L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0314	0.0835	0.00130	1	J,B
Arsenic	4.62	0.750	0.130	1	B	Molybdenum	1.02	0.250	0.0206	1	
Barium	113	0.500	0.164	1		Nickel	26.9	0.250	0.0346	1	
Beryllium	0.139	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.30	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	27.0	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.70	0.250	0.00859	1		Vanadium	31.0	0.250	0.00934	1	B
Copper	448	0.500	0.0469	1		Zinc	547	1.00	0.177	1	
Lead	69.4	0.500	0.0527	1							

SD-31-11262007	**07-11-1933-2-A**	**11/26/07**	**Solid**	**ICP 5300**	**11/28/07**	**11/29/07**	**071128L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/28/2007 2:47:41 PM with batch 071128L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0192	0.0835	0.00130	1	J,B
Arsenic	34.3	0.750	0.130	1	B	Molybdenum	6.09	0.250	0.0206	1	
Barium	167	0.500	0.164	1		Nickel	25.6	0.250	0.0346	1	
Beryllium	0.166	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.40	0.500	0.00988	1		Silver	4.71	0.250	0.0209	1	
Chromium	15.7	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.25	0.250	0.00859	1		Vanadium	68.3	0.250	0.00934	1	B
Copper	879	0.500	0.0469	1		Zinc	3160	10.0	1.77	10	
Lead	36.5	0.500	0.0527	1							

SD-09-11262007	**07-11-1933-3-A**	**11/26/07**	**Solid**	**ICP 5300**	**11/28/07**	**11/29/07**	**071128L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/28/2007 2:49:55 PM with batch 071128L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	45.9	0.750	0.191	1		Mercury	0.0245	0.0835	0.00130	1	J,B
Arsenic	8.25	0.750	0.130	1	B	Molybdenum	0.913	0.250	0.0206	1	
Barium	207	0.500	0.164	1		Nickel	76.5	0.250	0.0346	1	
Beryllium	0.143	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.46	0.500	0.00988	1		Silver	2.67	0.250	0.0209	1	
Chromium	10.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.59	0.250	0.00859	1		Vanadium	18.8	0.250	0.00934	1	B
Copper	2100	5.00	0.469	10		Zinc	1570	10.0	1.77	10	
Lead	92.5	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/27/07
Work Order No:	07-11-1933
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-08-11262007	**07-11-1933-4-A**	**11/26/07**	**Solid**	**ICP 5300**	**11/28/07**	**11/29/07**	**071128L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/28/2007 2:52:10 PM with batch 071128L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0297	0.0835	0.00130	1	J,B
Arsenic	9.28	0.750	0.130	1	B	Molybdenum	1.69	0.250	0.0206	1	
Barium	456	0.500	0.164	1		Nickel	48.8	0.250	0.0346	1	
Beryllium	0.233	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	3.40	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	19.5	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	264	0.250	0.00859	1		Vanadium	20.7	0.250	0.00934	1	B
Copper	698	0.500	0.0469	1		Zinc	2190	10.0	1.77	10	
Lead	103	0.500	0.0527	1							

SD-40-11262007	**07-11-1933-5-A**	**11/26/07**	**Solid**	**ICP 5300**	**11/28/07**	**11/29/07**	**071128L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/28/2007 2:54:25 PM with batch 071128L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0125	0.0835	0.00130	1	J,B
Arsenic	12.2	0.750	0.130	1	B	Molybdenum	ND	0.250	0.0206	1	
Barium	166	0.500	0.164	1		Nickel	8.19	0.250	0.0346	1	
Beryllium	0.160	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.34	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	15.9	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.84	0.250	0.00859	1		Vanadium	22.3	0.250	0.00934	1	B
Copper	539	0.500	0.0469	1		Zinc	534	1.00	0.177	1	
Lead	87.7	0.500	0.0527	1							

Method Blank	**099-04-007-5,144**	**N/A**	**Solid**	**Mercury**	**11/28/07**	**11/28/07**	**071128L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	0.00731	0.0835	0.00130	1	J

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-1933
San Diego, CA 92127-2116		Preparation:	EPA 3050B / EPA 7471A Total
		Method:	EPA 6010B / EPA 7471A
		Units:	mg/kg
Project: Burn Debris Sample / SC0459			Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-002-10,127**	**N/A**	**Solid**	**ICP 5300**	**11/28/07**	**11/28/07**	**071128L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Lead	ND	0.500	0.0527	1	
Arsenic	0.199	0.750	0.130	1	J	Molybdenum	ND	0.250	0.0206	1	
Barium	ND	0.500	0.164	1		Nickel	ND	0.250	0.0346	1	
Beryllium	ND	0.250	0.00368	1		Selenium	0.309	0.750	0.175	1	J
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	ND	0.250	0.0291	1		Thallium	0.159	0.750	0.0987	1	J
Cobalt	ND	0.250	0.00859	1		Vanadium	0.0104	0.250	0.00934	1	J
Copper	ND	0.500	0.0469	1		Zinc	ND	1.00	0.177	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-1933
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sample / SC0459			Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-34-11262007	**07-11-1933-1-A**	**11/26/07**	**Solid**	**HPLC 5**	**11/27/07**	**11/28/07**	**071127L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	200	15	3.9	1		Benzo (a) Anthracene	7.4	10	3.2	1	J
Acenaphthylene	210	30	6.8	1		Chrysene	4.0	10	3.2	1	J
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	12	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	47	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	6.8	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	62	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	53	40-160	

SD-31-11262007	**07-11-1933-2-A**	**11/26/07**	**Solid**	**HPLC 5**	**11/27/07**	**11/28/07**	**071127L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	210	15	3.9	1		Benzo (a) Anthracene	14	10	3.2	1	
Acenaphthylene	130	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	140	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	60	10	3.3	1		Benzo (a) Pyrene	29	10	3.1	1	
Anthracene	5.9	10	3.5	1	J	Dibenz (a,h) Anthracene	250	10	3.7	1	
Fluoranthene	11	10	3.4	1		Benzo (g,h,i) Perylene	47	10	4.0	1	
Pyrene	93	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	52	40-160	

SD-09-11262007	**07-11-1933-3-A**	**11/26/07**	**Solid**	**HPLC 5**	**11/27/07**	**11/29/07**	**071127L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	770	30	7.8	2		Benzo (a) Anthracene	170	20	6.4	2	
Acenaphthylene	790	60	14	2		Chrysene	26	20	6.4	2	
Acenaphthene	1800	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	480	20	6.4	2		Benzo (k) Fluoranthene	22	20	6.4	2	
Phenanthrene	1100	20	6.7	2		Benzo (a) Pyrene	34	20	6.2	2	
Anthracene	240	20	7.0	2		Dibenz (a,h) Anthracene	90	20	7.5	2	
Fluoranthene	73	20	6.8	2		Benzo (g,h,i) Perylene	19	20	7.9	2	J
Pyrene	510	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	22	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	141	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-1933
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sample / SC0459			Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-08-11262007	**07-11-1933-4-A**	**11/26/07**	**Solid**	**HPLC 5**	**11/27/07**	**11/28/07**	**071127L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	370	15	3.9	1		Benzo (a) Anthracene	61	10	3.2	1	
Acenaphthylene	240	30	6.8	1		Chrysene	39	10	3.2	1	
Acenaphthene	25	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	12	10	3.2	1		Benzo (k) Fluoranthene	4.2	10	3.2	1	J
Phenanthrene	100	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	7.8	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	650	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	110	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	43	40-160	

SD-40-11262007	**07-11-1933-5-A**	**11/26/07**	**Solid**	**HPLC 5**	**11/27/07**	**11/28/07**	**071127L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	460	15	3.9	1		Benzo (a) Anthracene	9.7	10	3.2	1	J
Acenaphthylene	150	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	83	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	18	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	18	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	14	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	45	40-160	

Method Blank	**099-07-002-972**	**N/A**	**Solid**	**HPLC 5**	**11/27/07**	**11/27/07**	**071127L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	ND	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	90	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/27/07
Work Order No: 07-11-1933

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SD-34-11262007	**07-11-1933-1**	**11/26/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

Method Blank	**N/A**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/27/07
Work Order No:	07-11-1933
Preparation:	EPA 3050B
Method:	EPA 6010B

Project Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1892-32	**Solid**	**ICP 5300**	**11/28/07**	**11/28/07**	**071128S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	63	61	50-115	3	0-20	
Arsenic	89	88	75-125	0	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	92	93	75-125	1	0-20	
Cadmium	94	94	75-125	0	0-20	
Chromium	87	86	75-125	1	0-20	
Cobalt	93	92	75-125	1	0-20	
Copper	94	96	75-125	1	0-20	
Lead	90	90	75-125	0	0-20	
Molybdenum	91	90	75-125	1	0-20	
Nickel	93	91	75-125	2	0-20	
Selenium	77	74	75-125	5	0-20	3
Silver	88	89	75-125	1	0-20	
Thallium	81	82	75-125	2	0-20	
Vanadium	94	91	75-125	1	0-20	
Zinc	42	39	75-125	1	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/27/07
Work Order No:	07-11-1933
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-1878-3	**Solid**	**Mercury**	**11/28/07**	**11/28/07**	**071128S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	115	115	84-138	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/27/07
Work Order No:	07-11-1933
Preparation:	EPA 3545
Method:	EPA 8310

Project Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SD-31-11262007	**Solid**	**HPLC 5**	**11/27/07**	**11/28/07**	**071127S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	40	38	40-160	1	0-20	3
Acenaphthylene	36	35	40-160	1	0-20	3
Acenaphthene	179	150	40-160	17	0-20	3
Fluorene	0	0	40-160	2	0-20	3
Phenanthrene	7	6	40-160	1	0-20	3
Anthracene	19	19	40-160	1	0-20	3
Fluoranthene	0	0	40-160	1	0-20	3
Pyrene	0	0	40-160	1	0-20	3
Benzo (a) Anthracene	0	0	40-160	3	0-20	3
Chrysene	2	2	40-160	0	0-20	3
Benzo (b) Fluoranthene	8	7	40-160	12	0-20	3
Benzo (k) Fluoranthene	5	5	40-160	1	0-20	3
Benzo (a) Pyrene	0	0	40-160	4	0-20	3
Dibenz (a,h) Anthracene	0	0	40-160	0	0-20	3
Benzo (g,h,i) Perylene	0	0	40-160	1	0-20	3
Indeno (1,2,3-c,d) Pyrene	14	13	40-160	11	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-1933

Project: Burn Debris Sample / SC0459

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	07-11-2096-13	12/12/07	12/12/07	86	85	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-1933
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-10,127	**Solid**	**ICP 5300**	**11/28/07**	**071128-I-06**	**071128L06**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	25.0	24.7	99	80-120	
Arsenic	25.0	25.0	100	80-120	
Barium	25.0	26.3	105	80-120	
Beryllium	25.0	24.6	98	80-120	
Cadmium	25.0	25.6	102	80-120	
Chromium	25.0	25.7	103	80-120	
Cobalt	25.0	25.9	104	80-120	
Copper	25.0	23.7	95	80-120	
Lead	25.0	26.4	106	80-120	
Molybdenum	25.0	26.1	105	80-120	
Nickel	25.0	27.1	108	80-120	
Selenium	25.0	24.2	97	80-120	
Silver	12.5	12.1	97	80-120	
Thallium	25.0	25.4	102	80-120	
Vanadium	25.0	25.0	100	80-120	
Zinc	25.0	27.1	108	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-1933
San Diego, CA 92127-2116		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,144	**Solid**	**Mercury**	**11/28/07**	**11/28/07**	**071128L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	110	109	87-117	1	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	N/A
Work Order No:	07-11-1933
Preparation:	EPA 3545
Method:	EPA 8310

Project: Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-002-972	**Solid**	**HPLC 5**	**11/27/07**	**11/27/07**	**071127L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	104	97	40-160	7	0-20	
Acenaphthylene	92	92	40-160	0	0-20	
Acenaphthene	95	96	40-160	0	0-20	
Fluorene	96	96	40-160	0	0-20	
Phenanthrene	92	92	40-160	0	0-20	
Anthracene	95	95	40-160	1	0-20	
Fluoranthene	91	90	40-160	1	0-20	
Pyrene	96	96	40-160	1	0-20	
Benzo (a) Anthracene	97	96	40-160	2	0-20	
Chrysene	102	100	40-160	1	0-20	
Benzo (b) Fluoranthene	49	48	40-160	2	0-20	
Benzo (k) Fluoranthene	97	95	40-160	2	0-20	
Benzo (a) Pyrene	94	93	40-160	2	0-20	
Dibenz (a,h) Anthracene	98	97	40-160	2	0-20	
Benzo (g,h,i) Perylene	98	96	40-160	1	0-20	
Indeno (1,2,3-c,d) Pyrene	90	88	40-160	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-1933

Project: Burn Debris Sample / SC0459

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	099-05-001-2,605	12/12/07	12/12/07	20.0	18.0	90	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-1933

Qualifier	Definition
*	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.
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.

Stephen Nowak

From: VWittig@Geosyntec.com
Sent: Tuesday, December 11, 2007 1:35 PM
To: Stephen Nowak
Cc: SMcCarthy@Geosyntec.com; JSchwartz@Geosyntec.com
Subject: Hexavalent Chromium Analyses
Importance: High

Hi Steve,
Here is the list of 14 samples we need to have additionally analyzed for hexavalent chromium by EPA Method 7196A:

SD-56-11282007
SD-02-11282007
SD-12-11272007
SD-20-11282007
SD-34-11262007
SD-44-11282007
SD-51-11282007
SB-05-11292007
SB-07-11292007
SB-20-11282007
SB-21-11292007
SB-24-11292007
SB-36-11292007
SB-43-11292007

We discussed a 24 hour TAT, but a 48 hour TAT will work with our schedule. Therefore, can you provide results by Thursday afternoon?

Veryl Wittig, PG 7115, CHG 723
Hydrogeologist
Geosyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127
P: 858.674.6559 x 203
F: 858.674.6586
M: 619.884.6552
vwittig@geosyntec.com
This electronic mail message contains information that (a) is or may be LEGALLY PRIVILEGED, CONFIDENTIAL, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) is intended only for the use of the Addressee(s) named herein. If you are not the intended recipient, an addressee, or the person responsible for delivering this to an addressee, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this electronic mail message in error, please contact us immediately and take the steps necessary to delete the message completely from your computer system.

Document Number: 2207

(1933)

Analysis Request and Chain of Custody Record

Project Name: Burn Debris Sample	Project Number: SC0459
Samplers Names: E.O.	Project Contact: Veryl Wittig
Laboratory Name: CalScience	Lab Contact: Steve Nowak
Lab Address: 7440 Lincoln Way, Garden Grove CA 92841-1427	Lab Phone: (714) 895-5494
	Carrier/Waybill No.: Pick Up

Page 1 of 1

White copy: to accompany samples

Yellow copy: field copy

Required Analyses: VOCs by ____; Metals 6010B; SVOCs by 8270; PAH 8310

Bottle Type and Volume/Preservative: GLASS 8oz; GLASS 8oz

Sample Name	Date	Time	Sample Type	VOCs by ____	Metals 6010B	SVOCs by 8270	PAH 8310							Comments	Lab Use Only: Condition of Bottles
SD-34-112602007	11/26/07	1350	Soil		1		1								
SD-31-112602007	11/26/07	1430	Soil		1		1								
SD-09-112602007	11/26/07	1525	Soil		1		1								
SD-08-112602007	11/26/07	1550	Soil		1		1								
SD-40-112602007	11/26/07	1630	Soil		1		1								

Special Instructions:

Turn-around Time: ☐ Normal ☐ Rush: _____

1. Relinquished by (Signature/Affiliation) Rebecca Lynn Geosyntec	Date 11-27-7 Time 1140	1. Received by (Signature/Affiliation) CEL	Date 11-27-07 Time 1140
2. Relinquished by (Signature/Affiliation)	Date 11-27-7 Time 1555	2. Received by (Signature/Affiliation) CEL	Date 11-27-7 Time 1555
3. Relinquished by (Signature/Affiliation)	Date Time	3. Received by (Signature/Affiliation)	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 1 1 - 1 9 3 3

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Geosyntec **DATE:** 11-27-07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.8 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): ✓ Cooler: _____ No (Not Intact) : _____ Not Present: N/A

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 14, 2007

Additional requested analyses have been added to the original report.

Veryl Wittig
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-11-2008**
Client Reference: Burn Debris Assessment / SC0459

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/28/2007 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2008
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-19-112807	**07-11-2008-1-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 7:46:47 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	2.07	0.750	0.191	1		Mercury	0.00887	0.0835	0.00130	1	J
Arsenic	0.807	0.750	0.130	1		Molybdenum	1.55	0.250	0.0206	1	B
Barium	145	0.500	0.164	1		Nickel	20.5	0.250	0.0346	1	
Beryllium	0.307	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	52.1	0.500	0.00988	1		Silver	2.40	0.250	0.0209	1	
Chromium	11.1	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.96	0.250	0.00859	1	B	Vanadium	27.9	0.250	0.00934	1	
Copper	9800	50.0	4.69	100		Zinc	159000	100	17.7	100	
Lead	79.3	0.500	0.0527	1	B						

SB-28-112807	**07-11-2008-2-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 7:53:29 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	14.5	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	5.31	0.750	0.130	1		Molybdenum	20.8	0.250	0.0206	1	B
Barium	297	0.500	0.164	1		Nickel	18.3	0.250	0.0346	1	
Beryllium	0.183	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	9.78	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.41	0.250	0.00859	1	B	Vanadium	48.7	0.250	0.00934	1	
Copper	225	0.500	0.0469	1		Zinc	485	1.00	0.177	1	
Lead	23.0	0.500	0.0527	1	B						

SB-28C-112807	**07-11-2008-3-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 7:55:45 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	10.9	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	5.95	0.750	0.130	1		Molybdenum	21.0	0.250	0.0206	1	B
Barium	254	0.500	0.164	1		Nickel	20.5	0.250	0.0346	1	
Beryllium	0.207	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	7.48	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.58	0.250	0.00859	1	B	Vanadium	54.8	0.250	0.00934	1	
Copper	268	0.500	0.0469	1		Zinc	408	1.00	0.177	1	
Lead	23.2	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/28/07
Work Order No: 07-11-2008
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-11-112807	**07-11-2008-4-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 7:57:57 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.00706	0.0835	0.00130	1	J
Arsenic	2.69	0.750	0.130	1		Molybdenum	1.11	0.250	0.0206	1	B
Barium	196	0.500	0.164	1		Nickel	24.5	0.250	0.0346	1	
Beryllium	0.256	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.0595	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	16.3	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.30	0.250	0.00859	1	B	Vanadium	25.4	0.250	0.00934	1	
Copper	383	0.500	0.0469	1		Zinc	1060	1.00	0.177	1	
Lead	32.5	0.500	0.0527	1	B						

SB-29-112807	**07-11-2008-5-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:00:06 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.00192	0.0835	0.00130	1	J
Arsenic	21.9	0.750	0.130	1		Molybdenum	6.41	0.250	0.0206	1	B
Barium	431	0.500	0.164	1		Nickel	14.0	0.250	0.0346	1	
Beryllium	0.336	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.831	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	20.9	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	9.82	0.250	0.00859	1	B	Vanadium	22.6	0.250	0.00934	1	
Copper	7180	50.0	4.69	100		Zinc	7390	100	17.7	100	
Lead	68.7	0.500	0.0527	1	B						

SB-20-112807	**07-11-2008-6-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:02:15 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.00658	0.0835	0.00130	1	J
Arsenic	2.73	0.750	0.130	1		Molybdenum	0.712	0.250	0.0206	1	B
Barium	1570	50.0	16.4	100		Nickel	13.5	0.250	0.0346	1	
Beryllium	0.634	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.220	0.500	0.00988	1	J	Silver	0.432	0.250	0.0209	1	
Chromium	19.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	10.6	0.250	0.00859	1	B	Vanadium	33.5	0.250	0.00934	1	
Copper	14700	50.0	4.69	100		Zinc	2220	100	17.7	100	
Lead	80.3	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2008
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg
	Page 3 of 3

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-39-112807	**07-11-2008-7-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:04:24 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0212	0.0835	0.00130	1	J
Arsenic	2.57	0.750	0.130	1		Molybdenum	4.17	0.250	0.0206	1	B
Barium	344	0.500	0.164	1		Nickel	29.6	0.250	0.0346	1	
Beryllium	0.315	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.29	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	41.1	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.73	0.250	0.00859	1	B	Vanadium	42.4	0.250	0.00934	1	
Copper	792	0.500	0.0469	1		Zinc	1150	1.00	0.177	1	
Lead	58.5	0.500	0.0527	1	B						

Method Blank	**099-04-007-5,151**	**N/A**	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.00130	1	

Method Blank	**097-01-002-10,138**	**N/A**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Lead	0.0934	0.500	0.0527	1	J
Arsenic	ND	0.750	0.130	1		Molybdenum	0.0245	0.250	0.0206	1	J
Barium	ND	0.500	0.164	1		Nickel	ND	0.250	0.0346	1	
Beryllium	ND	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	ND	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	0.0218	0.250	0.00859	1	J	Vanadium	ND	0.250	0.00934	1	
Copper	ND	0.500	0.0469	1		Zinc	ND	1.00	0.177	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2008
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-19-112807	**07-11-2008-1-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	860	15	3.9	1		Benzo (a) Anthracene	7.7	10	3.2	1	J
Acenaphthylene	350	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	250	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	12	10	3.2	1	B	Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	52	10	3.3	1	B	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	17	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	4.4	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	10	10	2.9	1	B	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	80	40-160	

SB-28-112807	**07-11-2008-2-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	4600	150	39	10		Benzo (a) Anthracene	93	100	32	10	J
Acenaphthylene	2800	300	68	10		Chrysene	ND	100	32	10	
Acenaphthene	620	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	200	100	32	10	B	Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	290	100	33	10	B	Benzo (a) Pyrene	ND	100	31	10	
Anthracene	110	100	35	10		Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	52	100	34	10	J	Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	ND	100	29	10		Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	235	40-160	2

SB-28C-112807	**07-11-2008-3-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	4600	150	39	10		Benzo (a) Anthracene	92	100	32	10	J
Acenaphthylene	2500	300	68	10		Chrysene	ND	100	32	10	
Acenaphthene	580	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	200	100	32	10	B	Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	320	100	33	10	B	Benzo (a) Pyrene	ND	100	31	10	
Anthracene	120	100	35	10		Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	62	100	34	10	J	Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	29	100	29	10	J,B	Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	244	40-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2008
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-11-112807	**07-11-2008-4-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	600	150	39	10		Benzo (a) Anthracene	ND	100	32	10	
Acenaphthylene	370	300	68	10		Chrysene	ND	100	32	10	
Acenaphthene	1000	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	ND	100	32	10		Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	ND	100	33	10		Benzo (a) Pyrene	ND	100	31	10	
Anthracene	ND	100	35	10		Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	86	100	34	10	J	Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	ND	100	29	10		Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	58	40-160	

SB-29-112807	**07-11-2008-5-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	440	150	39	10		Benzo (a) Anthracene	88	100	32	10	J
Acenaphthylene	1200	300	68	10		Chrysene	ND	100	32	10	
Acenaphthene	2600	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	ND	100	32	10		Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	ND	100	33	10		Benzo (a) Pyrene	ND	100	31	10	
Anthracene	ND	100	35	10		Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	ND	100	34	10		Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	150	100	29	10	B	Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	42	40-160	

SB-20-112807	**07-11-2008-6-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	820	150	39	10		Benzo (a) Anthracene	73	100	32	10	J
Acenaphthylene	2100	300	68	10		Chrysene	ND	100	32	10	
Acenaphthene	720	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	44	100	32	10	J,B	Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	95	100	33	10	J,B	Benzo (a) Pyrene	ND	100	31	10	
Anthracene	42	100	35	10	J	Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	200	100	34	10		Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	ND	100	29	10		Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	68	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2008
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-39-112807	**07-11-2008-7-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	1700	150	39	10		Benzo (a) Anthracene	ND	100	32	10	
Acenaphthylene	1200	300	68	10		Chrysene	ND	100	32	10	
Acenaphthene	1200	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	ND	100	32	10		Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	86	100	33	10	J,B	Benzo (a) Pyrene	ND	100	31	10	
Anthracene	ND	100	35	10		Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	ND	100	34	10		Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	ND	100	29	10		Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	65	40-160	

Method Blank	**099-07-002-973**	**N/A**	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	5.2	10	3.2	1	J	Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	5.8	10	3.3	1	J	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	5.2	10	2.9	1	J	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	92	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/28/07
Work Order No: 07-11-2008

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SB-20-112807	**07-11-2008-6**	**11/28/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

Method Blank	**N/A**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/28/07
Work Order No: 07-11-2008
Preparation: EPA 3050B
Method: EPA 6010B

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-19-112807	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	37	31	50-115	15	0-20	3
Arsenic	100	104	75-125	4	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	97	98	75-125	1	0-20	
Cadmium	107	156	75-125	14	0-20	3
Chromium	99	96	75-125	2	0-20	
Cobalt	92	91	75-125	1	0-20	
Copper	4X	4X	75-125	4X	0-20	Q
Lead	139	398	75-125	44	0-20	3,4
Molybdenum	87	85	75-125	2	0-20	
Nickel	93	92	75-125	1	0-20	
Selenium	98	96	75-125	2	0-20	
Silver	88	88	75-125	0	0-20	
Thallium	16	11	75-125	35	0-20	3,4
Vanadium	112	121	75-125	4	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2008
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-19-112807	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	69	69	84-138	1	0-7	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received	11/28/07
Work Order No:	07-11-2008
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
SB-19-112807	**Solid**	**Mercury**	**11/29/07**	**11/30/07**	**071129S08**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	109	108	75-125	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/28/07
Work Order No: 07-11-2008
Preparation: EPA 3545
Method: EPA 8310

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-2009-1	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128S12**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	35	35	40-160	0	0-20	3
Acenaphthylene	37	36	40-160	0	0-20	3
Acenaphthene	108	109	40-160	1	0-20	
Fluorene	74	74	40-160	0	0-20	
Phenanthrene	35	35	40-160	0	0-20	3
Anthracene	23	23	40-160	0	0-20	3
Fluoranthene	72	72	40-160	0	0-20	
Pyrene	9	8	40-160	2	0-20	3
Benzo (a) Anthracene	10	10	40-160	3	0-20	3
Chrysene	3	3	40-160	10	0-20	3
Benzo (b) Fluoranthene	2	1	40-160	59	0-20	3,4
Benzo (k) Fluoranthene	1	1	40-160	6	0-20	3
Benzo (a) Pyrene	2	2	40-160	3	0-20	3
Dibenz (a,h) Anthracene	3	4	40-160	9	0-20	3
Benzo (g,h,i) Perylene	1	0	40-160	175	0-20	3,4
Indeno (1,2,3-c,d) Pyrene	5	5	40-160	2	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-2008

Project: Burn Debris Assessment / SC0459

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	07-11-2096-13	12/12/07	12/12/07	86	85	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2008
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-10,138	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L10**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	95	100	80-120	5	0-20	
Arsenic	101	97	80-120	4	0-20	
Barium	103	101	80-120	2	0-20	
Beryllium	95	96	80-120	1	0-20	
Cadmium	102	101	80-120	1	0-20	
Chromium	102	101	80-120	1	0-20	
Cobalt	105	105	80-120	0	0-20	
Copper	103	95	80-120	8	0-20	
Lead	102	103	80-120	0	0-20	
Molybdenum	103	101	80-120	2	0-20	
Nickel	109	107	80-120	1	0-20	
Selenium	97	95	80-120	2	0-20	
Silver	95	96	80-120	0	0-20	
Thallium	102	100	80-120	2	0-20	
Vanadium	97	97	80-120	0	0-20	
Zinc	114	104	80-120	9	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2008
San Diego, CA 92127-2116		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,151	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	105	105	87-117	0	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	N/A
Work Order No:	07-11-2008
Preparation:	EPA 3545
Method:	EPA 8310

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-002-973	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	95	99	40-160	4	0-20	
Acenaphthylene	92	93	40-160	1	0-20	
Acenaphthene	96	97	40-160	2	0-20	
Fluorene	96	97	40-160	1	0-20	
Phenanthrene	92	93	40-160	1	0-20	
Anthracene	95	97	40-160	2	0-20	
Fluoranthene	91	92	40-160	1	0-20	
Pyrene	96	97	40-160	1	0-20	
Benzo (a) Anthracene	96	97	40-160	1	0-20	
Chrysene	102	102	40-160	0	0-20	
Benzo (b) Fluoranthene	49	49	40-160	1	0-20	
Benzo (k) Fluoranthene	96	97	40-160	0	0-20	
Benzo (a) Pyrene	94	95	40-160	1	0-20	
Dibenz (a,h) Anthracene	98	98	40-160	0	0-20	
Benzo (g,h,i) Perylene	97	98	40-160	1	0-20	
Indeno (1,2,3-c,d) Pyrene	89	90	40-160	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-2008

Project: Burn Debris Assessment / SC0459

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	099-05-001-2,605	12/12/07	12/12/07	20.0	18.0	90	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-2008

Qualifier	Definition
*	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.
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.

Stephen Nowak

From: VWittig@Geosyntec.com
Sent: Tuesday, December 11, 2007 1:35 PM
To: Stephen Nowak
Cc: SMcCarthy@Geosyntec.com; JSchwartz@Geosyntec.com
Subject: Hexavalent Chromium Analyses
Importance: High

Hi Steve,
Here is the list of 14 samples we need to have additionally analyzed for hexavalent chromium by EPA Method 7196A:

SD-56-11282007
SD-02-11282007
SD-12-11272007
SD-20-11282007
SD-34-11262007
SD-44-11282007
SD-51-11282007
SB-05-11292007
SB-07-11292007
SB-20-11282007
SB-21-11292007
SB-24-11292007
SB-36-11292007
SB-43-11292007

We discussed a 24 hour TAT, but a 48 hour TAT will work with our schedule. Therefore, can you provide results by Thursday afternoon?

Veryl Wittig, PG 7115, CHG 723
Hydrogeologist
Geosyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127
P: 858.674.6559 x 203
F: 858.674.6586
M: 619.884.6552
vwittig@geosyntec.com
This electronic mail message contains information that (a) is or may be LEGALLY PRIVILEGED, CONFIDENTIAL, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) is intended only for the use of the Addressee(s) named herein. If you are not the intended recipient, an addressee, or the person responsible for delivering this to an addressee, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this electronic mail message in error, please contact us immediately and take the steps necessary to delete the message completely from your computer system.

Document Number: 2212 (2008)

Analysis Request and Chain of Custody Record

Page 1 of 7

Project Name: Burned Debris Assessment	Project Number: SE0459
Samplers Names: Ortenberg & Warnecke	Project Contact: Veryl Wittig
Laboratory Name: CalScience	Lab Contact: Steve Nowak
Lab Address: Garden Grove	Lab Phone: 714-
	Carrier/Waybill No.

White copy: to accompany samples

Yellow copy: field copy

Sample Name	Date	Time	Sample Type	VOCs by ___	Metals 6010B	SVOCs by 8270	THe 22 Metals (TTLC)	PAHs/8310						Comments	Lab Use Only: Condition of Bottles
Bottle Type and Volume/Preservative					8oz		8oz	8oz							
SB- 19 - 112807	11.28.07	07:25	Soil		X		X	X							
SB- 28 - 112807	↓	08:00	↓		X		X	X							
SB- 28C - 112807		08:05			X		X	X							
SB- 11 - 112807		08:30			X		X	X							
SB- 29 - 112807		09:35			X		X	X							
SB- 20 - 112807		10:00			X		X	X							
SB- 39 - 112807		10:32			X		X	X							
~~SB - 112807~~															
SB															
				Sue 11.28.07											

Special Instructions: If Arsenic concentration < MDL, then analyze by 7010. Soil is ash

Turn-around Time: 5 day standard

☒ Normal ☐ Rush: _____

1. Relinquished by (Signiture/Affiliation): E. Warnecke Geosyntec	Date 11.28.07 Time 12:27	1. Received by (Signiture/Affiliation): Aby Mayer CEL	Date 11/28/07 Time 12:30
2. Relinquished by (Signiture/Affiliation): Aby Mayer CEL	Date 11/28/07 Time 15:00	2. Received by (Signiture/Affiliation): [illegible]	Date 11/28/07 Time 1500
3. Relinquished by (Signiture/Affiliation):	Date Time	3. Received by (Signiture/Affiliation):	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11 - 2008

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: GEOSYNTECH **DATE:** 11/28/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ✓ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

2.5 °C Temperature blank. Initial: AM

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Present: ✓

Initial: AM

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: AM

COMMENTS:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 13, 2007

Veryl Wittig
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-11-2009**
Client Reference: Burn Debris Assessment / SC0459

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/28/2007 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2009
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-18-112707	**07-11-2009-1-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:06:36 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	16.7	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	2.20	0.750	0.130	1		Molybdenum	0.993	0.250	0.0206	1	B
Barium	184	0.500	0.164	1		Nickel	22.5	0.250	0.0346	1	
Beryllium	0.323	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.849	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	11.6	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	8.54	0.250	0.00859	1	B	Vanadium	23.0	0.250	0.00934	1	
Copper	2930	5.00	0.469	10		Zinc	869	1.00	0.177	1	
Lead	464	0.500	0.0527	1	B						

SB-32-112707	**07-11-2009-2-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:13:17 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	1.63	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	1.75	0.750	0.130	1		Molybdenum	2.09	0.250	0.0206	1	B
Barium	177	0.500	0.164	1		Nickel	21.2	0.250	0.0346	1	
Beryllium	0.245	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.343	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	11.8	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.66	0.250	0.00859	1	B	Vanadium	25.6	0.250	0.00934	1	
Copper	12000	50.0	4.69	100		Zinc	2480	100	17.7	100	
Lead	128	0.500	0.0527	1	B						

SB-08-112707	**07-11-2009-3-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:15:29 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	1.28	0.750	0.130	1		Molybdenum	1.27	0.250	0.0206	1	B
Barium	1510	50.0	16.4	100		Nickel	11.8	0.250	0.0346	1	
Beryllium	0.356	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	0.939	0.250	0.0209	1	
Chromium	6.59	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	3.72	0.250	0.00859	1	B	Vanadium	28.7	0.250	0.00934	1	
Copper	15000	50.0	4.69	100		Zinc	365	1.00	0.177	1	
Lead	57.5	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2009
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-13A-112707	**07-11-2009-4-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:17:42 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	1.87	0.750	0.130	1		Molybdenum	1.54	0.250	0.0206	1	B
Barium	222	0.500	0.164	1		Nickel	29.0	0.250	0.0346	1	
Beryllium	0.250	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.29	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	24.0	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.66	0.250	0.00859	1	B	Vanadium	49.1	0.250	0.00934	1	
Copper	557	0.500	0.0469	1		Zinc	1570	1.00	0.177	1	
Lead	68.2	0.500	0.0527	1	B						

SB-13B-112707	**07-11-2009-5-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:19:55 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	13.5	0.750	0.191	1		Mercury	0.00703	0.0835	0.00130	1	J
Arsenic	7.21	0.750	0.130	1		Molybdenum	4.37	0.250	0.0206	1	B
Barium	798	50.0	16.4	100		Nickel	7.97	0.250	0.0346	1	
Beryllium	0.132	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	76.1	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	126	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.92	0.250	0.00859	1	B	Vanadium	7.86	0.250	0.00934	1	
Copper	497	0.500	0.0469	1		Zinc	20500	100	17.7	100	
Lead	310	0.500	0.0527	1	B						

SB-13C-112707	**07-11-2009-6-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:22:07 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	2.26	0.750	0.130	1		Molybdenum	1.33	0.250	0.0206	1	B
Barium	224	0.500	0.164	1		Nickel	29.7	0.250	0.0346	1	
Beryllium	0.224	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.24	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	21.9	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.32	0.250	0.00859	1	B	Vanadium	43.4	0.250	0.00934	1	
Copper	143	0.500	0.0469	1		Zinc	1480	1.00	0.177	1	
Lead	366	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/28/07
Work Order No: 07-11-2009
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-30A-112707	**07-11-2009-7-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:24:21 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	4.75	0.750	0.191	1		Mercury	0.0292	0.0835	0.00130	1	J
Arsenic	29.1	0.750	0.130	1		Molybdenum	1.10	0.250	0.0206	1	B
Barium	129	0.500	0.164	1		Nickel	43.0	0.250	0.0346	1	
Beryllium	0.112	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	13.0	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	3.24	0.250	0.00859	1	B	Vanadium	16.2	0.250	0.00934	1	
Copper	956	0.500	0.0469	1		Zinc	3170	10.0	1.77	10	
Lead	97.5	0.500	0.0527	1	B						

SB-30B-112707	**07-11-2009-8-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:26:35 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0867	0.0835	0.00130	1	
Arsenic	3.88	0.750	0.130	1		Molybdenum	0.886	0.250	0.0206	1	B
Barium	256	0.500	0.164	1		Nickel	20.3	0.250	0.0346	1	
Beryllium	0.411	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.23	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	14.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.86	0.250	0.00859	1	B	Vanadium	40.4	0.250	0.00934	1	
Copper	158	0.500	0.0469	1		Zinc	1070	1.00	0.177	1	
Lead	639	0.500	0.0527	1	B						

SB-14-112707	**07-11-2009-9-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:28:50 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	137	0.750	0.191	1		Mercury	0.00782	0.0835	0.00130	1	J
Arsenic	12.0	0.750	0.130	1		Molybdenum	0.896	0.250	0.0206	1	B
Barium	192	0.500	0.164	1		Nickel	22.6	0.250	0.0346	1	
Beryllium	0.388	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.598	0.500	0.00988	1		Silver	8.85	0.250	0.0209	1	
Chromium	23.5	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.28	0.250	0.00859	1	B	Vanadium	13.1	0.250	0.00934	1	
Copper	175	0.500	0.0469	1		Zinc	2540	100	17.7	100	
Lead	49100	50.0	5.27	100	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2009
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-26-112707	**07-11-2009-10-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:31:05 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	3.04	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	1.13	0.750	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	137	0.500	0.164	1		Nickel	9.67	0.250	0.0346	1	
Beryllium	0.488	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	3.70	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.16	0.250	0.00859	1	B	Vanadium	13.3	0.250	0.00934	1	
Copper	1380	0.500	0.0469	1		Zinc	202	1.00	0.177	1	
Lead	20.0	0.500	0.0527	1	B						

SB-04-112707	**07-11-2009-11-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 8:33:21 PM with batch 071129L08

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	6.56	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	66.6	0.750	0.130	1		Molybdenum	4.93	0.250	0.0206	1	B
Barium	514	0.500	0.164	1		Nickel	16.5	0.250	0.0346	1	
Beryllium	0.212	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	2.16	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	14.8	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.24	0.250	0.00859	1	B	Vanadium	24.4	0.250	0.00934	1	
Copper	1940	5.00	0.469	10		Zinc	3530	10.0	1.77	10	
Lead	2270	5.00	0.527	10	B						

Method Blank	**099-04-007-5,151**	**N/A**	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.00130	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2009
San Diego, CA 92127-2116		Preparation:	EPA 3050B / EPA 7471A Total
		Method:	EPA 6010B / EPA 7471A
		Units:	mg/kg
Project: Burn Debris Assessment / SC0459			Page 5 of 5

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-002-10,138**	**N/A**	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Lead	0.0934	0.500	0.0527	1	J
Arsenic	ND	0.750	0.130	1		Molybdenum	0.0245	0.250	0.0206	1	J
Barium	ND	0.500	0.164	1		Nickel	ND	0.250	0.0346	1	
Beryllium	ND	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	ND	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	0.0218	0.250	0.00859	1	J	Vanadium	ND	0.250	0.00934	1	
Copper	ND	0.500	0.0469	1		Zinc	ND	1.00	0.177	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2009
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-18-112707	**07-11-2009-1-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	350	15	3.9	1		Benzo (a) Anthracene	4.1	10	3.2	1	J
Acenaphthylene	200	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	31	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	12	10	3.2	1	B	Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	54	10	3.3	1	B	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	7.8	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	76	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	28	10	2.9	1	B	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	88	40-160	

SB-32-112707	**07-11-2009-2-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	270	15	3.9	1		Benzo (a) Anthracene	12	10	3.2	1	
Acenaphthylene	170	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	37	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	10	10	3.2	1	B	Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	140	10	3.3	1	B	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	19	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	73	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	47	10	2.9	1	B	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	85	40-160	

SB-08-112707	**07-11-2009-3-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	340	30	7.8	2		Benzo (a) Anthracene	12	20	6.4	2	J
Acenaphthylene	320	60	14	2		Chrysene	ND	20	6.4	2	
Acenaphthene	1900	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	ND	20	6.4	2		Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	9.9	20	6.7	2	J,B	Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	12	20	7.0	2	J	Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	17	20	6.8	2	J	Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	13	20	5.8	2	J,B	Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	60	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2009
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 2 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-13A-112707	**07-11-2009-4-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	240	15	3.9	1		Benzo (a) Anthracene	6.9	10	3.2	1	J
Acenaphthylene	170	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	540	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	7.5	10	3.3	1	J,B	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	10	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	4.8	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	3.7	10	2.9	1	J,B	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	68	40-160	

SB-13B-112707	**07-11-2009-5-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	3100	75	20	5		Benzo (a) Anthracene	120	50	16	5	
Acenaphthylene	2300	150	34	5		Chrysene	190	50	16	5	
Acenaphthene	450	75	25	5		Benzo (b) Fluoranthene	ND	50	16	5	
Fluorene	170	50	16	5	B	Benzo (k) Fluoranthene	ND	50	16	5	
Phenanthrene	680	50	17	5	B	Benzo (a) Pyrene	ND	50	15	5	
Anthracene	130	50	18	5		Dibenz (a,h) Anthracene	ND	50	19	5	
Fluoranthene	580	50	17	5		Benzo (g,h,i) Perylene	ND	50	20	5	
Pyrene	380	50	14	5	B	Indeno (1,2,3-c,d) Pyrene	ND	50	18	5	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	72	40-160	

SB-13C-112707	**07-11-2009-6-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	190	15	3.9	1		Benzo (a) Anthracene	4.8	10	3.2	1	J
Acenaphthylene	140	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	450	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	5.0	10	3.3	1	J,B	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	8.8	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	4.0	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	75	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2009
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 3 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-30A-112707	**07-11-2009-7-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	160	15	3.9	1		Benzo (a) Anthracene	19	10	3.2	1	
Acenaphthylene	280	30	6.8	1		Chrysene	9.5	10	3.2	1	J
Acenaphthene	6.4	15	5.0	1	J	Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	5.2	10	3.3	1	J,B	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	7.6	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	4.2	10	2.9	1	J,B	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	66	40-160	

SB-30B-112707	**07-11-2009-8-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**		

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	210	30	7.8	2		Benzo (a) Anthracene	7.9	20	6.4	2	J
Acenaphthylene	140	60	14	2		Chrysene	ND	20	6.4	2	
Acenaphthene	770	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	ND	20	6.4	2		Benzo (k) Fluoranthene	8.2	20	6.4	2	J
Phenanthrene	9.7	20	6.7	2	J,B	Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	12	20	7.0	2	J	Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	ND	20	6.8	2		Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	1100	20	5.8	2	B	Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	46	40-160	

SB-14-112707	**07-11-2009-9-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**		

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	270	15	3.9	1		Benzo (a) Anthracene	5.4	10	3.2	1	J
Acenaphthylene	140	30	6.8	1		Chrysene	5.4	10	3.2	1	J
Acenaphthene	590	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	6.7	10	3.2	1	J,B	Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	10	10	3.3	1	B	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	8.2	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	3.5	10	2.9	1	J,B	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	73	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2009
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 4 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-26-112707	**07-11-2009-10-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	830	75	20	5		Benzo (a) Anthracene	ND	50	16	5	
Acenaphthylene	1700	150	34	5		Chrysene	ND	50	16	5	
Acenaphthene	2300	75	25	5		Benzo (b) Fluoranthene	ND	50	16	5	
Fluorene	ND	50	16	5		Benzo (k) Fluoranthene	ND	50	16	5	
Phenanthrene	64	50	17	5	B	Benzo (a) Pyrene	ND	50	15	5	
Anthracene	24	50	18	5	J	Dibenz (a,h) Anthracene	ND	50	19	5	
Fluoranthene	80	50	17	5		Benzo (g,h,i) Perylene	ND	50	20	5	
Pyrene	ND	50	14	5		Indeno (1,2,3-c,d) Pyrene	ND	50	18	5	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	47	40-160	

SB-04-112707	**07-11-2009-11-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	1100	30	7.8	2		Benzo (a) Anthracene	60	20	6.4	2	
Acenaphthylene	1200	60	14	2		Chrysene	29	20	6.4	2	
Acenaphthene	990	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	31	20	6.4	2	B	Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	140	20	6.7	2	B	Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	31	20	7.0	2		Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	150	20	6.8	2		Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	12	20	5.8	2	J,B	Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	115	40-160	

Method Blank	**099-07-002-973**	**N/A**	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	5.2	10	3.2	1	J	Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	5.8	10	3.3	1	J	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	5.2	10	2.9	1	J	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	92	40-160	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2009
Preparation:	EPA 3050B
Method:	EPA 6010B

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-2008-1	**Solid**	**ICP 5300**	**11/29/07**	**11/30/07**	**071129S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	37	31	50-115	15	0-20	3
Arsenic	100	104	75-125	4	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	97	98	75-125	1	0-20	
Cadmium	107	156	75-125	14	0-20	3
Chromium	99	96	75-125	2	0-20	
Cobalt	92	91	75-125	1	0-20	
Copper	4X	4X	75-125	4X	0-20	Q
Lead	139	398	75-125	44	0-20	3,4
Molybdenum	87	85	75-125	2	0-20	
Nickel	93	92	75-125	1	0-20	
Selenium	98	96	75-125	2	0-20	
Silver	88	88	75-125	0	0-20	
Thallium	16	11	75-125	35	0-20	3,4
Vanadium	112	121	75-125	4	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2009
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-2008-1	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	69	69	84-138	1	0-7	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received	11/28/07
Work Order No:	07-11-2009
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
07-11-2008-1	**Solid**	**Mercury**	**11/29/07**	**11/30/07**	**071129S08**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	109	108	75-125	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2009
Preparation:	EPA 3545
Method:	EPA 8310

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-18-112707	**Solid**	**HPLC 5**	**11/28/07**	**11/30/07**	**071128S12**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	35	35	40-160	0	0-20	3
Acenaphthylene	37	36	40-160	0	0-20	3
Acenaphthene	108	109	40-160	1	0-20	
Fluorene	74	74	40-160	0	0-20	
Phenanthrene	35	35	40-160	0	0-20	3
Anthracene	23	23	40-160	0	0-20	3
Fluoranthene	72	72	40-160	0	0-20	
Pyrene	9	8	40-160	2	0-20	3
Benzo (a) Anthracene	10	10	40-160	3	0-20	3
Chrysene	3	3	40-160	10	0-20	3
Benzo (b) Fluoranthene	2	1	40-160	59	0-20	3,4
Benzo (k) Fluoranthene	1	1	40-160	6	0-20	3
Benzo (a) Pyrene	2	2	40-160	3	0-20	3
Dibenz (a,h) Anthracene	3	4	40-160	9	0-20	3
Benzo (g,h,i) Perylene	1	0	40-160	175	0-20	3,4
Indeno (1,2,3-c,d) Pyrene	5	5	40-160	2	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2009
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-10,138	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L10**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	95	100	80-120	5	0-20	
Arsenic	101	97	80-120	4	0-20	
Barium	103	101	80-120	2	0-20	
Beryllium	95	96	80-120	1	0-20	
Cadmium	102	101	80-120	1	0-20	
Chromium	102	101	80-120	1	0-20	
Cobalt	105	105	80-120	0	0-20	
Copper	103	95	80-120	8	0-20	
Lead	102	103	80-120	0	0-20	
Molybdenum	103	101	80-120	2	0-20	
Nickel	109	107	80-120	1	0-20	
Selenium	97	95	80-120	2	0-20	
Silver	95	96	80-120	0	0-20	
Thallium	102	100	80-120	2	0-20	
Vanadium	97	97	80-120	0	0-20	
Zinc	114	104	80-120	9	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2009
San Diego, CA 92127-2116		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,151	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	105	105	87-117	0	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	N/A
Work Order No:	07-11-2009
Preparation:	EPA 3545
Method:	EPA 8310

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-002-973	**Solid**	**HPLC 5**	**11/28/07**	**11/29/07**	**071128L12**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	95	99	40-160	4	0-20	
Acenaphthylene	92	93	40-160	1	0-20	
Acenaphthene	96	97	40-160	2	0-20	
Fluorene	96	97	40-160	1	0-20	
Phenanthrene	92	93	40-160	1	0-20	
Anthracene	95	97	40-160	2	0-20	
Fluoranthene	91	92	40-160	1	0-20	
Pyrene	96	97	40-160	1	0-20	
Benzo (a) Anthracene	96	97	40-160	1	0-20	
Chrysene	102	102	40-160	0	0-20	
Benzo (b) Fluoranthene	49	49	40-160	1	0-20	
Benzo (k) Fluoranthene	96	97	40-160	0	0-20	
Benzo (a) Pyrene	94	95	40-160	1	0-20	
Dibenz (a,h) Anthracene	98	98	40-160	0	0-20	
Benzo (g,h,i) Perylene	97	98	40-160	1	0-20	
Indeno (1,2,3-c,d) Pyrene	89	90	40-160	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-2009

Qualifier	Definition
*	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.
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.

Document Number: 2211

Analysis Request and Chain of Custody Record

2009

Page 1 of 1

Project Name: BURNED DEBRIS ASSESSMENT	Project Number: SC0459
Samplers Names: E. GARENBERG ; E. WARNECKE	Project Contact: Veryl Wittig
Laboratory Name: CAL SCIENCE	Lab Contact: Steve Nowak
Lab Address: Garden Grove	Lab Phone: 714-895-5494
	Carrier/Waybill No.

White copy: to accompany samples

Yellow copy: field copy

	Sample Name	Date	Time	Sample Type	VOCs by ___	Metals 6010B	SVOCs by 8270	8310 (PAHs)	Title 22 (TTLC)						Comments	Lab Use Only: Condition of Bottles
	Bottle Type and Volume/Preservative					8oz	8oz	8oz	8oz							
	Number of Containers															
1	SB-18 -112707	11.27.07	08:00	Soil		X		X	X							
2	SB-32 -112707		09:30			X		X	X							
	~~SB-32C -112707~~					~~X~~		~~X~~	~~X~~							
3	SB-08 -112707		10:00			X		X	X							
4	SB-13A -112707		10:45			X		X	X							
5	SB-13B -112707		11:20			X		X	X							
6	SB-13C -112707		10:50			X		X	X							
7	SB-30A -112707		13:00			X		X	X							
8	SB-30B -112707		13:30			X		X	X							
9	SB-14 -112707		13:45			X		X	X							
10	SB-26 -112707		14:30			X		X	X							
11	SB-04 -112707		16:00			X		X	X							

Special Instructions: if Arsenic concentrations by 6010B are <MDL, then analyze by 7010. Soil is ash

Turn-around Time: 5 day standard

☒ Normal ☐ Rush: _____

1. Relinquished by (Signiture/Affiliation): Elyse Warnecke Geosyntec	Date 11.28.07 Time 12:27	1. Received by (Signiture/Affiliation): Alex Marquez CCL	Date 11/28/07 Time 12:30
2. Relinquished by (Signiture/Affiliation): Alex Marquez CCL	Date 11/28/07 Time 15:00	2. Received by (Signiture/Affiliation): [illegible]	Date 11/28/07 Time 1500
3. Relinquished by (Signiture/Affiliation)	Date Time	3. Received by (Signiture/Affiliation)	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 1 1 - 2 0 0 9

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: GEOSYNTECH DATE: 11/28/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ✓ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

2.7 °C Temperature blank. Initial: AM

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Present: ✓

Initial: AM

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	~~✗~~ A1	✓	
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: AM

COMMENTS:

sample #6 (SB-13C-112707) @10:50 labeled as (SB-32C-112707) @10:50

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 13, 2007

Additional requested analyses have been added to the original report.

Veryl Wittig
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-11-2022**
Client Reference: Burn Debris Sample / SC0459

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/28/2007 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-21-11272007	**07-11-2022-1-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:23:43 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	97.1	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	8.04	0.750	0.130	1	B	Molybdenum	5.22	0.250	0.0206	1	
Barium	208	0.500	0.164	1		Nickel	14.0	0.250	0.0346	1	B
Beryllium	0.224	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	2.80	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	10.5	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.58	0.250	0.00859	1		Vanadium	33.9	0.250	0.00934	1	
Copper	614	0.500	0.0469	1		Zinc	1060	1.00	0.177	1	
Lead	53.8	0.500	0.0527	1							

SD-12-11272007	**07-11-2022-2-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:25:59 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.00374	0.0835	0.00130	1	J
Arsenic	3.55	0.750	0.130	1	B	Molybdenum	0.495	0.250	0.0206	1	
Barium	127	0.500	0.164	1		Nickel	12.2	0.250	0.0346	1	B
Beryllium	0.220	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	2.59	0.250	0.0209	1	
Chromium	17.9	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.92	0.250	0.00859	1		Vanadium	22.8	0.250	0.00934	1	
Copper	46000	100	9.38	200		Zinc	685	1.00	0.177	1	
Lead	92.3	0.500	0.0527	1							

SD-16-11272007	**07-11-2022-3-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:32:43 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	50.5	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	12.1	0.750	0.130	1	B	Molybdenum	2.12	0.250	0.0206	1	
Barium	132	0.500	0.164	1		Nickel	31.6	0.250	0.0346	1	B
Beryllium	0.453	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.0443	0.500	0.00988	1	J	Silver	35.8	0.250	0.0209	1	
Chromium	8.88	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	44.6	0.250	0.00859	1		Vanadium	40.0	0.250	0.00934	1	
Copper	1490	50.0	4.69	100		Zinc	6030	100	17.7	100	
Lead	2510	50.0	5.27	100							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg
	Page 2 of 6

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-13-11272007	**07-11-2022-4-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:34:58 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	1.10	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	20.5	0.750	0.130	1	B	Molybdenum	1.79	0.250	0.0206	1	
Barium	157	0.500	0.164	1		Nickel	27.6	0.250	0.0346	1	B
Beryllium	0.428	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.308	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	29.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.37	0.250	0.00859	1		Vanadium	66.6	0.250	0.00934	1	
Copper	542	0.500	0.0469	1		Zinc	407	1.00	0.177	1	
Lead	25.1	0.500	0.0527	1							

SD-41-11272007	**07-11-2022-5-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:37:15 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.00563	0.0835	0.00130	1	J
Arsenic	5.22	0.750	0.130	1	B	Molybdenum	2.86	0.250	0.0206	1	
Barium	121	0.500	0.164	1		Nickel	39.3	0.250	0.0346	1	B
Beryllium	0.605	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	15.6	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.52	0.250	0.00859	1		Vanadium	67.7	0.250	0.00934	1	
Copper	172	0.500	0.0469	1		Zinc	304	1.00	0.177	1	
Lead	24.4	0.500	0.0527	1							

SD-19-C-11272007	**07-11-2022-6-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:17:02 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	5.43	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	2.53	0.750	0.130	1	B	Molybdenum	1.36	0.250	0.0206	1	
Barium	236	0.500	0.164	1		Nickel	41.8	0.250	0.0346	1	B
Beryllium	0.391	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	8.02	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	2.27	0.250	0.00859	1		Vanadium	115	0.250	0.00934	1	
Copper	73.1	0.500	0.0469	1		Zinc	1060	1.00	0.177	1	
Lead	23.3	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg
	Page 3 of 6

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-19-11272007	**07-11-2022-7-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:39:27 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	4.78	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	2.52	0.750	0.130	1	B	Molybdenum	1.10	0.250	0.0206	1	
Barium	181	0.500	0.164	1		Nickel	29.7	0.250	0.0346	1	B
Beryllium	0.361	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.0441	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	6.45	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	2.45	0.250	0.00859	1		Vanadium	81.4	0.250	0.00934	1	
Copper	69.7	0.500	0.0469	1		Zinc	384	1.00	0.177	1	
Lead	21.7	0.500	0.0527	1							

SD-38-11272007	**07-11-2022-8-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:41:37 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	52.8	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	1.78	0.750	0.130	1	B	Molybdenum	15.6	0.250	0.0206	1	
Barium	213	0.500	0.164	1		Nickel	8.08	0.250	0.0346	1	B
Beryllium	0.0450	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	4.15	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	21.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	3.35	0.250	0.00859	1		Vanadium	10.1	0.250	0.00934	1	
Copper	417	0.500	0.0469	1		Zinc	767	1.00	0.177	1	
Lead	193	0.500	0.0527	1							

SD-36-11272007	**07-11-2022-9-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:43:48 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	22.6	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	4.06	0.750	0.130	1	B	Molybdenum	1.70	0.250	0.0206	1	
Barium	164	0.500	0.164	1		Nickel	21.9	0.250	0.0346	1	B
Beryllium	0.0807	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	2.43	0.250	0.0209	1	
Chromium	9.64	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	8.18	0.250	0.00859	1		Vanadium	16.8	0.250	0.00934	1	
Copper	45700	100	9.38	200		Zinc	892	1.00	0.177	1	
Lead	36.3	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-18-11272007	**07-11-2022-10-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:45:59 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.310	0.750	0.191	1	J	Mercury	0.0133	0.0835	0.00130	1	J
Arsenic	2.12	0.750	0.130	1	B	Molybdenum	6.13	0.250	0.0206	1	
Barium	94.2	0.500	0.164	1		Nickel	14.2	0.250	0.0346	1	B
Beryllium	0.0286	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.747	0.500	0.00988	1		Silver	62.4	0.250	0.0209	1	
Chromium	10.4	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.04	0.250	0.00859	1		Vanadium	12.6	0.250	0.00934	1	
Copper	3740	5.00	0.469	10		Zinc	1790	10.0	1.77	10	
Lead	68.5	0.500	0.0527	1							

SD-18-C-11272007	**07-11-2022-11-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:48:10 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.898	0.750	0.191	1		Mercury	0.0131	0.0835	0.00130	1	J
Arsenic	3.17	0.750	0.130	1	B	Molybdenum	9.62	0.250	0.0206	1	
Barium	78.9	0.500	0.164	1		Nickel	16.6	0.250	0.0346	1	B
Beryllium	0.0221	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.24	0.500	0.00988	1		Silver	60.1	0.250	0.0209	1	
Chromium	10.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.51	0.250	0.00859	1		Vanadium	11.5	0.250	0.00934	1	
Copper	2460	50.0	4.69	100		Zinc	54300	100	17.7	100	
Lead	80.8	0.500	0.0527	1							

SD-24-11272007	**07-11-2022-12-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:50:22 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	14.2	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	ND	0.750	0.130	1		Molybdenum	0.709	0.250	0.0206	1	
Barium	161	0.500	0.164	1		Nickel	13.0	0.250	0.0346	1	B
Beryllium	0.340	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	8.70	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.39	0.250	0.00859	1		Vanadium	28.9	0.250	0.00934	1	
Copper	886	0.500	0.0469	1		Zinc	303	1.00	0.177	1	
Lead	20.3	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg
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Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-22-11272007	**07-11-2022-13-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:52:35 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	2.05	0.750	0.191	1		Mercury	0.00868	0.0835	0.00130	1	J
Arsenic	1.93	0.750	0.130	1	B	Molybdenum	1.12	0.250	0.0206	1	
Barium	65.7	0.500	0.164	1		Nickel	33.5	0.250	0.0346	1	B
Beryllium	0.234	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.411	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	10.9	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.24	0.250	0.00859	1		Vanadium	67.3	0.250	0.00934	1	
Copper	452	0.500	0.0469	1		Zinc	1330	1.00	0.177	1	
Lead	33.4	0.500	0.0527	1							

SD-25-11272007	**07-11-2022-14-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 3:59:17 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	5.87	0.750	0.191	1		Mercury	ND	0.0835	0.00130	1	
Arsenic	2.23	0.750	0.130	1	B	Molybdenum	1.12	0.250	0.0206	1	
Barium	316	0.500	0.164	1		Nickel	13.1	0.250	0.0346	1	B
Beryllium	0.288	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.450	0.500	0.00988	1	J	Silver	0.267	0.250	0.0209	1	
Chromium	19.4	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	3.43	0.250	0.00859	1		Vanadium	22.5	0.250	0.00934	1	
Copper	1230	0.500	0.0469	1		Zinc	404	1.00	0.177	1	
Lead	32.3	0.500	0.0527	1							

SD-54-11272007	**07-11-2022-15-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 4:01:31 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	101	0.750	0.191	1		Mercury	0.0267	0.0835	0.00130	1	J
Arsenic	2.81	0.750	0.130	1	B	Molybdenum	0.520	0.250	0.0206	1	
Barium	238	0.500	0.164	1		Nickel	10.3	0.250	0.0346	1	B
Beryllium	0.00490	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.79	0.500	0.00988	1		Silver	4.17	0.250	0.0209	1	
Chromium	10.4	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	9.31	0.250	0.00859	1		Vanadium	6.84	0.250	0.00934	1	
Copper	1150	0.500	0.0469	1		Zinc	5080	10.0	1.77	10	
Lead	143	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg
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Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-46-11272007	**07-11-2022-16-A**	**11/27/07**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/29/2007 4:03:45 PM with batch 071129L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	10.8	0.750	0.191	1		Mercury	0.00623	0.0835	0.00130	1	J
Arsenic	10.0	0.750	0.130	1	B	Molybdenum	1.59	0.250	0.0206	1	
Barium	142	0.500	0.164	1		Nickel	34.6	0.250	0.0346	1	B
Beryllium	0.193	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	2.31	0.500	0.00988	1		Silver	4.74	0.250	0.0209	1	
Chromium	12.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.00	0.250	0.00859	1		Vanadium	15.9	0.250	0.00934	1	
Copper	22300	50.0	4.69	100		Zinc	1360	1.00	0.177	1	
Lead	225	0.500	0.0527	1							

Method Blank	**099-04-007-5,150**	**N/A**	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.00130	1	

Method Blank	**097-01-002-10,129**	**N/A**	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Lead	ND	0.500	0.0527	1	
Arsenic	0.240	0.750	0.130	1	J	Molybdenum	ND	0.250	0.0206	1	
Barium	ND	0.500	0.164	1		Nickel	0.0777	0.250	0.0346	1	J
Beryllium	ND	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	ND	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	ND	0.250	0.00859	1		Vanadium	ND	0.250	0.00934	1	
Copper	ND	0.500	0.0469	1		Zinc	ND	1.00	0.177	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 7010

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-24-11272007	**07-11-2022-12-A**	**11/27/07**	**Solid**	**GFAA**	**12/12/07**	**12/12/07**	**071212L01**

Parameter	Result	RL	MDL	DF	Qual	Units
Arsenic	1.26	0.250	0.0616	1		mg/kg

Method Blank	**099-07-021-260**	**N/A**	**Solid**	**GFAA**	**12/12/07**	**12/12/07**	**071212L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Arsenic	ND	0.250	0.0616	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sample / SC0459			Page 1 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-21-11272007	**07-11-2022-1-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/04/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	2200	75	20	5		Benzo (a) Anthracene	92	50	16	5	
Acenaphthylene	1400	150	34	5		Chrysene	ND	50	16	5	
Acenaphthene	280	75	25	5		Benzo (b) Fluoranthene	ND	50	16	5	
Fluorene	410	50	16	5		Benzo (k) Fluoranthene	ND	50	16	5	
Phenanthrene	300	50	17	5		Benzo (a) Pyrene	ND	50	15	5	
Anthracene	68	50	18	5		Dibenz (a,h) Anthracene	ND	50	19	5	
Fluoranthene	42	50	17	5	J	Benzo (g,h,i) Perylene	ND	50	20	5	
Pyrene	59	50	14	5		Indeno (1,2,3-c,d) Pyrene	ND	50	18	5	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	41	40-160	

SD-12-11272007	**07-11-2022-2-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	830	15	3.9	1		Benzo (a) Anthracene	21	10	3.2	1	
Acenaphthylene	540	30	6.8	1		Chrysene	4.8	10	3.2	1	J
Acenaphthene	66	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	89	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	140	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	23	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	7.8	10	3.4	1	J	Benzo (g,h,i) Perylene	7.6	10	4.0	1	J
Pyrene	72	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	50	40-160	

SD-16-11272007	**07-11-2022-3-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	630	15	3.9	1		Benzo (a) Anthracene	200	10	3.2	1	
Acenaphthylene	1000	30	6.8	1		Chrysene	580	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	140	10	3.2	1		Benzo (k) Fluoranthene	39	10	3.2	1	
Phenanthrene	440	10	3.3	1		Benzo (a) Pyrene	77	10	3.1	1	
Anthracene	110	10	3.5	1		Dibenz (a,h) Anthracene	330	10	3.7	1	
Fluoranthene	290	10	3.4	1		Benzo (g,h,i) Perylene	130	10	4.0	1	
Pyrene	650	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	74	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	83	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sample / SC0459			Page 2 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-13-11272007	**07-11-2022-4-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	490	15	3.9	1		Benzo (a) Anthracene	9.2	10	3.2	1	J
Acenaphthylene	230	30	6.8	1		Chrysene	3.4	10	3.2	1	J
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	18	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	70	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	9.8	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	9.2	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	49	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	58	40-160	

SD-41-11272007	**07-11-2022-5-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/04/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	1100	30	7.8	2		Benzo (a) Anthracene	160	20	6.4	2	
Acenaphthylene	1200	60	14	2		Chrysene	140	20	6.4	2	
Acenaphthene	ND	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	810	20	6.4	2		Benzo (k) Fluoranthene	24	20	6.4	2	
Phenanthrene	640	20	6.7	2		Benzo (a) Pyrene	92	20	6.2	2	
Anthracene	230	20	7.0	2		Dibenz (a,h) Anthracene	160	20	7.5	2	
Fluoranthene	180	20	6.8	2		Benzo (g,h,i) Perylene	91	20	7.9	2	
Pyrene	360	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	57	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	305	40-160	2

SD-19-C-11272007	**07-11-2022-6-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	220	15	3.9	1		Benzo (a) Anthracene	24	10	3.2	1	
Acenaphthylene	230	30	6.8	1		Chrysene	6.6	10	3.2	1	J
Acenaphthene	36	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	30	10	3.2	1		Benzo (k) Fluoranthene	28	10	3.2	1	
Phenanthrene	74	10	3.3	1		Benzo (a) Pyrene	5.9	10	3.1	1	J
Anthracene	11	10	3.5	1		Dibenz (a,h) Anthracene	130	10	3.7	1	
Fluoranthene	5.7	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	81	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	76	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sample / SC0459			Page 3 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-19-11272007	**07-11-2022-7-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	260	15	3.9	1		Benzo (a) Anthracene	27	10	3.2	1	
Acenaphthylene	290	30	6.8	1		Chrysene	6.1	10	3.2	1	J
Acenaphthene	33	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	34	10	3.2	1		Benzo (k) Fluoranthene	64	10	3.2	1	
Phenanthrene	72	10	3.3	1		Benzo (a) Pyrene	7.5	10	3.1	1	J
Anthracene	11	10	3.5	1		Dibenz (a,h) Anthracene	190	10	3.7	1	
Fluoranthene	5.3	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	79	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	66	40-160	

SD-38-11272007	**07-11-2022-8-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	680	15	3.9	1		Benzo (a) Anthracene	15	10	3.2	1	
Acenaphthylene	600	30	6.8	1		Chrysene	16	10	3.2	1	
Acenaphthene	110	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	74	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	190	10	3.3	1		Benzo (a) Pyrene	3.4	10	3.1	1	J
Anthracene	26	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	240	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	88	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	45	40-160	

SD-36-11272007	**07-11-2022-9-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	430	15	3.9	1		Benzo (a) Anthracene	63	10	3.2	1	
Acenaphthylene	230	30	6.8	1		Chrysene	13	10	3.2	1	
Acenaphthene	38	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	19	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	79	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	5.9	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	240	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	62	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sample / SC0459			Page 4 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-18-11272007	**07-11-2022-10-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	330	15	3.9	1		Benzo (a) Anthracene	86	10	3.2	1	
Acenaphthylene	480	30	6.8	1		Chrysene	11	10	3.2	1	
Acenaphthene	400	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	37	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	130	10	3.3	1		Benzo (a) Pyrene	4.2	10	3.1	1	J
Anthracene	20	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	5.4	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	150	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	51	40-160	

SD-18-C-11272007	**07-11-2022-11-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	340	15	3.9	1		Benzo (a) Anthracene	120	10	3.2	1	
Acenaphthylene	500	30	6.8	1		Chrysene	12	10	3.2	1	
Acenaphthene	490	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	40	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	150	10	3.3	1		Benzo (a) Pyrene	4.2	10	3.1	1	J
Anthracene	22	10	3.5	1		Dibenz (a,h) Anthracene	3.8	10	3.7	1	J
Fluoranthene	4.8	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	160	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	42	40-160	

SD-24-11272007	**07-11-2022-12-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	740	15	3.9	1		Benzo (a) Anthracene	130	10	3.2	1	
Acenaphthylene	760	30	6.8	1		Chrysene	56	10	3.2	1	
Acenaphthene	300	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	180	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	290	10	3.3	1		Benzo (a) Pyrene	13	10	3.1	1	
Anthracene	52	10	3.5	1		Dibenz (a,h) Anthracene	6.3	10	3.7	1	J
Fluoranthene	860	10	3.4	1		Benzo (g,h,i) Perylene	6.8	10	4.0	1	J
Pyrene	300	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	12	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	51	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sample / SC0459			Page 5 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-22-11272007	**07-11-2022-13-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/04/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	840	300	78	20		Benzo (a) Anthracene	3200	200	64	20	
Acenaphthylene	3200	600	140	20		Chrysene	210	200	64	20	
Acenaphthene	ND	300	100	20		Benzo (b) Fluoranthene	ND	200	65	20	
Fluorene	530	200	64	20		Benzo (k) Fluoranthene	ND	200	64	20	
Phenanthrene	1000	200	67	20		Benzo (a) Pyrene	ND	200	62	20	
Anthracene	120	200	70	20	J	Dibenz (a,h) Anthracene	ND	200	75	20	
Fluoranthene	ND	200	68	20		Benzo (g,h,i) Perylene	ND	200	79	20	
Pyrene	10000	200	58	20		Indeno (1,2,3-c,d) Pyrene	ND	200	71	20	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	574	40-160	2

SD-25-11272007	**07-11-2022-14-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	200	15	3.9	1		Benzo (a) Anthracene	170	10	3.2	1	
Acenaphthylene	610	30	6.8	1		Chrysene	5.0	10	3.2	1	J
Acenaphthene	380	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	33	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	130	10	3.3	1		Benzo (a) Pyrene	3.1	10	3.1	1	J
Anthracene	14	10	3.5	1		Dibenz (a,h) Anthracene	5.0	10	3.7	1	J
Fluoranthene	53	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	420	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	59	40-160	

SD-54-11272007	**07-11-2022-15-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/04/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	440	15	3.9	1		Benzo (a) Anthracene	27	10	3.2	1	
Acenaphthylene	330	30	6.8	1		Chrysene	8.6	10	3.2	1	J
Acenaphthene	41	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	44	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	140	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	18	10	3.5	1		Dibenz (a,h) Anthracene	7.9	10	3.7	1	J
Fluoranthene	6.4	10	3.4	1	J	Benzo (g,h,i) Perylene	20	10	4.0	1	
Pyrene	110	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	49	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/28/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sample / SC0459			Page 6 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-46-11272007	**07-11-2022-16-A**	**11/27/07**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	260	15	3.9	1		Benzo (a) Anthracene	87	10	3.2	1	
Acenaphthylene	250	30	6.8	1		Chrysene	6.6	10	3.2	1	J
Acenaphthene	260	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	26	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	60	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	5.4	10	3.5	1	J	Dibenz (a,h) Anthracene	4.2	10	3.7	1	J
Fluoranthene	260	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	340	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	52	40-160	

Method Blank	**099-07-002-974**	**N/A**	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	ND	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	107	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/28/07
Work Order No: 07-11-2022

Project: Burn Debris Sample / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SD-12-11272007	**07-11-2022-2**	**11/27/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

Method Blank	**N/A**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/28/07
Work Order No: 07-11-2022
Preparation: EPA 3050B
Method: EPA 6010B

Project Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SD-19-C-11272007	**Solid**	**ICP 5300**	**11/29/07**	**11/29/07**	**071129S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	86	85	50-115	1	0-20	
Arsenic	109	105	75-125	3	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	93	95	75-125	2	0-20	
Cadmium	90	89	75-125	1	0-20	
Chromium	93	90	75-125	2	0-20	
Cobalt	87	85	75-125	1	0-20	
Copper	235	139	75-125	20	0-20	3
Lead	114	78	75-125	19	0-20	
Molybdenum	95	94	75-125	0	0-20	
Nickel	82	69	75-125	5	0-20	3
Selenium	103	102	75-125	1	0-20	
Silver	93	93	75-125	0	0-20	
Thallium	70	69	75-125	1	0-20	3
Vanadium	4X	4X	75-125	4X	0-20	Q
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 3050B
Method:	EPA 7010

Project Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SD-24-11272007	**Solid**	**GFAA**	**12/12/07**	**12/12/07**	**071212S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	135	302	80-120	62	0-20	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/28/07
Work Order No: 07-11-2022
Preparation: EPA 7471A Total
Method: EPA 7471A

Project Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SD-19-C-11272007	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	86	95	84-138	11	0-7	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project: Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
SD-19-C-11272007	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129S05**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	108	106	75-125	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/28/07
Work Order No:	07-11-2022
Preparation:	EPA 3545
Method:	EPA 8310

Project Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SD-46-11272007	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	9	7	40-160	1	0-20	3
Acenaphthylene	75	79	40-160	1	0-20	
Acenaphthene	49	56	40-160	2	0-20	
Fluorene	51	51	40-160	0	0-20	
Phenanthrene	34	35	40-160	1	0-20	3
Anthracene	26	23	40-160	14	0-20	3
Fluoranthene	0	0	40-160	0	0-20	3
Pyrene	15	18	40-160	1	0-20	3
Benzo (a) Anthracene	0	0	40-160	1	0-20	3
Chrysene	26	26	40-160	0	0-20	3
Benzo (b) Fluoranthene	6	7	40-160	21	0-20	3,4
Benzo (k) Fluoranthene	1	1	40-160	7	0-20	3
Benzo (a) Pyrene	3	1	40-160	114	0-20	3,4
Dibenz (a,h) Anthracene	0	5	40-160	193	0-20	3,4
Benzo (g,h,i) Perylene	1	1	40-160	27	0-20	3,4
Indeno (1,2,3-c,d) Pyrene	18	1	40-160	184	0-20	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-2022

Project: Burn Debris Sample / SC0459

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	07-11-2096-13	12/12/07	12/12/07	86	85	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-10,129	**Solid**	**ICP 5300**	**11/29/07**	**071129-I-06**	**071129L06**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	25.0	24.1	96	80-120	
Arsenic	25.0	25.2	101	80-120	
Barium	25.0	25.9	104	80-120	
Beryllium	25.0	24.0	96	80-120	
Cadmium	25.0	25.6	103	80-120	
Chromium	25.0	25.7	103	80-120	
Cobalt	25.0	26.3	105	80-120	
Copper	25.0	24.3	97	80-120	
Lead	25.0	25.7	103	80-120	
Molybdenum	25.0	26.1	104	80-120	
Nickel	25.0	27.4	109	80-120	
Selenium	25.0	24.0	96	80-120	
Silver	12.5	12.1	97	80-120	
Thallium	25.0	25.6	102	80-120	
Vanadium	25.0	24.6	98	80-120	
Zinc	25.0	27.2	109	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 7010

Project: Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-021-260	**Solid**	**GFAA**	**12/12/07**	**12/12/07**	**071212L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	95	98	80-120	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2022
San Diego, CA 92127-2116		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,150	**Solid**	**Mercury**	**11/29/07**	**11/29/07**	**071129L05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	109	110	87-117	1	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	N/A
Work Order No:	07-11-2022
Preparation:	EPA 3545
Method:	EPA 8310

Project: Burn Debris Sample / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-002-974	**Solid**	**HPLC 5**	**11/29/07**	**12/03/07**	**071129L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	107	116	40-160	8	0-20	
Acenaphthylene	97	104	40-160	7	0-20	
Acenaphthene	102	108	40-160	6	0-20	
Fluorene	101	108	40-160	6	0-20	
Phenanthrene	97	104	40-160	6	0-20	
Anthracene	100	107	40-160	6	0-20	
Fluoranthene	97	103	40-160	6	0-20	
Pyrene	103	110	40-160	6	0-20	
Benzo (a) Anthracene	104	110	40-160	6	0-20	
Chrysene	110	116	40-160	5	0-20	
Benzo (b) Fluoranthene	52	55	40-160	6	0-20	
Benzo (k) Fluoranthene	103	109	40-160	5	0-20	
Benzo (a) Pyrene	101	107	40-160	6	0-20	
Dibenz (a,h) Anthracene	104	110	40-160	5	0-20	
Benzo (g,h,i) Perylene	104	110	40-160	5	0-20	
Indeno (1,2,3-c,d) Pyrene	96	101	40-160	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-2022

Project: Burn Debris Sample / SC0459

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	099-05-001-2,605	12/12/07	12/12/07	20.0	18.0	90	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-2022

Qualifier	Definition
*	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.
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.

Stephen Nowak

From: VWittig@Geosyntec.com
Sent: Tuesday, December 11, 2007 1:35 PM
To: Stephen Nowak
Cc: SMcCarthy@Geosyntec.com; JSchwartz@Geosyntec.com
Subject: Hexavalent Chromium Analyses
Importance: High

Hi Steve,
Here is the list of 14 samples we need to have additionally analyzed for hexavalent chromium by EPA Method 7196A:

SD-56-11282007
SD-02-11282007
SD-12-11272007
SD-20-11282007
SD-34-11262007
SD-44-11282007
SD-51-11282007
SB-05-11292007
SB-07-11292007
SB-20-11282007
SB-21-11292007
SB-24-11292007
SB-36-11292007
SB-43-11292007

We discussed a 24 hour TAT, but a 48 hour TAT will work with our schedule. Therefore, can you provide results by Thursday afternoon?

Veryl Wittig, PG 7115, CHG 723
Hydrogeologist
Geosyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127
P: 858.674.6559 x 203
F: 858.674.6586
M: 619.884.6552
vwittig@geosyntec.com
This electronic mail message contains information that (a) is or may be LEGALLY PRIVILEGED, CONFIDENTIAL, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) is intended only for the use of the Addressee(s) named herein. If you are not the intended recipient, an addressee, or the person responsible for delivering this to an addressee, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this electronic mail message in error, please contact us immediately and take the steps necessary to delete the message completely from your computer system.

Document Number: 2208

Analysis Request and Chain of Custody Record

(2022)

Page 1 of 2

Project Name: Dam Debris Sample	Project Number: SC0459
Samplers Names: R. Flynn	Project Contact: Veryl Wittig
Laboratory Name: CalScience	Lab Contact: Steve Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA 92841	Lab Phone: (714) 895-5494
	Carrier/Waybill No.: Pick up

Required Analyses: VOCs by ____; Metals 6010B; SVOCs by 8270; PAH 8310

White copy: to accompany samples

Yellow copy: field copy

Bottle Type and Volume/Preservative: Glass 8oz CN; Glass 8oz N

	Sample Name	Date	Time	Sample Type	Number of Containers										Comments	Lab Use Only: Condition of Bottles
1	SD-21-11272007	11/27/07	0748	Soil												
2	SD-12-11272007	11/27/07	0820	Soil												
3	SD-16-11272007		0855													
4	SD-13-11272007		0955													
5	SD-41-11272007		1030													
	~~SD-19-11272007~~ (RF)															
6	SD-19-C-11272007	11/27/07	1105	Soil												
7	SD-19-11272007	11/27/07	1105													
8	SD-38-11272007	11/27/07	1255													
9	SD-36-11272007	11/27/07	1320													
10	SD-18-11272007		1355													
11	SD-18-C-11272007		1355													

Special Instructions:

Turn-around Time: ☐ Normal ☐ Rush: _____

1. Relinquished by (Signiture/Affiliation) Rebecca Flynn Geosyntec	Date 11-28-7 Time 1200	1. Received by (Signiture/Affiliation) CEL	Date 11-28-07 Time 1200
2. Relinquished by (Signiture/Affiliation)	Date 11-28-7 Time 1605	2. Received by (Signiture/Affiliation)	Date 11-28-7 Time 1605
3. Relinquished by (Signiture/Affiliation)	Date Time	3. Received by (Signiture/Affiliation)	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Document Number: 2209

(2022)

Analysis Request and Chain of Custody Record

Page 2 of 2

Project Name: Burn Debris Sample	Project Number: SC0459
Samplers Names: Rebecca Flynn	Project Contact: Veryl Wittig
Laboratory Name: CalScience	Lab Contact: Steve Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA 92841-1427	Lab Phone: (714) 895-5494
	Carrier/Waybill No.: Pick up

White copy: to accompany samples

Yellow copy: field copy

	Sample Name	Date	Time	Sample Type	VOCs by ___	Metals 6010B	SVOCs by 8270	PAHs 8310							Comments	Lab Use Only: Condition of Bottles
	Bottle Type and Volume/Preservative					8oz glass		8oz glass								
	Number of Containers															
12	SD-24-11272007	11/27/07	1425	Soil		1		1								
13	SD-22-11272007	1	1445	1		1		1								
14	SD-25-11272007	1	1515	1		1		1								
15	SD-54-11272007	1	1545	1		1		1								
16	SD-46-11272007		1620			1		1								

Special Instructions:

Turn-around Time: ☐ Normal ☐ Rush: _____

1. Relinquished by (Signiture/Affiliation) Rebecca Flynn Geosyntec	Date 11-28-7 Time 1200	1. Received by (Signiture/Affiliation) CEL	Date 11-28-7 Time 1200
2. Relinquished by (Signiture/Affiliation)	Date 11-28-7 Time 1605	2. Received by (Signiture/Affiliation)	Date 11-28-7 Time 1605
3. Relinquished by (Signiture/Affiliation)	Date Time	3. Received by (Signiture/Affiliation)	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11 - 2022

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: GeoSyntec DATE: 11-28-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.7 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): ✓ Cooler: _____ No (Not Intact) : _____ Not Present: [signature]

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 13, 2007

Additional requested analyses have been added to the original report.

Veryl Wittig
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-11-2096**
Client Reference: Burn Debris Assessment / SC0459

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/29/2007 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2096
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-31-112807	**07-11-2096-1-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 8:44:31 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	12.7	0.750	0.191	1		Mercury	4.50	0.834	0.0130	9.98	B
Arsenic	6.87	0.750	0.130	1		Molybdenum	8.11	0.250	0.0206	1	
Barium	553	0.500	0.164	1		Nickel	81.2	0.250	0.0346	1	
Beryllium	0.590	0.250	0.00368	1		Selenium	0.959	0.750	0.175	1	
Cadmium	7.08	0.500	0.00988	1		Silver	6.58	0.250	0.0209	1	
Chromium	141	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	87.4	0.250	0.00859	1		Vanadium	34.7	0.250	0.00934	1	
Copper	1180	50.0	4.69	100	B	Zinc	6240	100	17.7	100	B
Lead	467	0.500	0.0527	1	B						

SB-42A-112807	**07-11-2096-2-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 4:50:12 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	26.4	0.750	0.191	1		Mercury	0.0357	0.0835	0.00130	1	J,B
Arsenic	21.7	0.750	0.130	1		Molybdenum	6.85	0.250	0.0206	1	
Barium	271	0.500	0.164	1		Nickel	118	0.250	0.0346	1	
Beryllium	0.186	0.250	0.00368	1	J	Selenium	0.275	0.750	0.175	1	J
Cadmium	69.3	0.500	0.00988	1		Silver	5.70	0.250	0.0209	1	
Chromium	30.5	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	24.2	0.250	0.00859	1		Vanadium	15.6	0.250	0.00934	1	
Copper	9970	50.0	4.69	100	B	Zinc	2840	100	17.7	100	B
Lead	393	0.500	0.0527	1	B						

SB-42B-112807	**07-11-2096-3-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 4:52:23 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	6.93	0.750	0.191	1		Mercury	0.0232	0.0835	0.00130	1	J,B
Arsenic	4.47	0.750	0.130	1		Molybdenum	1.82	0.250	0.0206	1	
Barium	315	0.500	0.164	1		Nickel	17.0	0.250	0.0346	1	
Beryllium	0.278	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	17.4	0.500	0.00988	1		Silver	51.1	0.250	0.0209	1	
Chromium	15.4	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.89	0.250	0.00859	1		Vanadium	15.1	0.250	0.00934	1	
Copper	902	0.500	0.0469	1	B	Zinc	555	1.00	0.177	1	B
Lead	206	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2096
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-41-112807	**07-11-2096-4-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 4:54:35 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	7.11	0.750	0.191	1		Mercury	0.0132	0.0835	0.00130	1	J,B
Arsenic	40.0	0.750	0.130	1		Molybdenum	3.98	0.250	0.0206	1	
Barium	265	0.500	0.164	1		Nickel	35.7	0.250	0.0346	1	
Beryllium	0.836	0.250	0.00368	1		Selenium	0.701	0.750	0.175	1	J
Cadmium	1.84	0.500	0.00988	1		Silver	4.99	0.250	0.0209	1	
Chromium	51.8	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	31.3	0.250	0.00859	1		Vanadium	23.0	0.250	0.00934	1	
Copper	2980	50.0	4.69	100	B	Zinc	2610	100	17.7	100	B
Lead	112	0.500	0.0527	1	B						

SB-25A-112807	**07-11-2096-5-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 4:56:48 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	24.6	0.750	0.191	1		Mercury	0.0194	0.0835	0.00130	1	J,B
Arsenic	9.27	0.750	0.130	1		Molybdenum	1.32	0.250	0.0206	1	
Barium	155	0.500	0.164	1		Nickel	13.3	0.250	0.0346	1	
Beryllium	0.173	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.674	0.500	0.00988	1		Silver	0.723	0.250	0.0209	1	
Chromium	8.82	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.54	0.250	0.00859	1		Vanadium	32.8	0.250	0.00934	1	
Copper	4600	50.0	4.69	100	B	Zinc	466	1.00	0.177	1	B
Lead	135	0.500	0.0527	1	B						

SB-25B-112807	**07-11-2096-6-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 4:59:00 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	67.5	0.750	0.191	1		Mercury	0.0247	0.0835	0.00130	1	J,B
Arsenic	6.00	0.750	0.130	1		Molybdenum	1.56	0.250	0.0206	1	
Barium	740	0.500	0.164	1		Nickel	27.2	0.250	0.0346	1	
Beryllium	0.493	0.250	0.00368	1		Selenium	0.367	0.750	0.175	1	J
Cadmium	0.460	0.500	0.00988	1	J	Silver	4.86	0.250	0.0209	1	
Chromium	5.95	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	15.9	0.250	0.00859	1		Vanadium	63.0	0.250	0.00934	1	
Copper	13800	50.0	4.69	100	B	Zinc	8420	100	17.7	100	B
Lead	145	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2096
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg
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Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-40-112807	**07-11-2096-7-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:01:13 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	32.9	0.750	0.191	1		Mercury	0.0377	0.0835	0.00130	1	J,B
Arsenic	16.6	0.750	0.130	1		Molybdenum	1.82	0.250	0.0206	1	
Barium	262	0.500	0.164	1		Nickel	57.2	0.250	0.0346	1	
Beryllium	0.318	0.250	0.00368	1		Selenium	1.74	0.750	0.175	1	
Cadmium	1.63	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	40.7	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	8.93	0.250	0.00859	1		Vanadium	59.4	0.250	0.00934	1	
Copper	1020	0.500	0.0469	1	B	Zinc	591	1.00	0.177	1	B
Lead	62.7	0.500	0.0527	1	B						

SB-17-112807	**07-11-2096-8-A**	**11/28/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:07:57 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	30.6	0.750	0.191	1		Mercury	0.0207	0.0835	0.00130	1	J,B
Arsenic	52.0	0.750	0.130	1		Molybdenum	2.05	0.250	0.0206	1	
Barium	231	0.500	0.164	1		Nickel	13.1	0.250	0.0346	1	
Beryllium	0.409	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	2.36	0.500	0.00988	1		Silver	1.74	0.250	0.0209	1	
Chromium	42.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	11.4	0.250	0.00859	1		Vanadium	15.7	0.250	0.00934	1	
Copper	3030	50.0	4.69	100	B	Zinc	3270	100	17.7	100	B
Lead	333	0.500	0.0527	1	B						

SB-35-112907	**07-11-2096-9-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:14:42 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	5.15	0.750	0.191	1		Mercury	0.0419	0.0835	0.00130	1	J,B
Arsenic	10.5	0.750	0.130	1		Molybdenum	2.38	0.250	0.0206	1	
Barium	252	0.500	0.164	1		Nickel	12.7	0.250	0.0346	1	
Beryllium	0.160	0.250	0.00368	1	J	Selenium	0.226	0.750	0.175	1	J
Cadmium	3.48	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	11.3	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	3.77	0.250	0.00859	1		Vanadium	20.6	0.250	0.00934	1	
Copper	4110	50.0	4.69	100	B	Zinc	951	1.00	0.177	1	B
Lead	73.3	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2096
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-35C-112907	**07-11-2096-10-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:16:59 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	21.6	0.750	0.191	1		Mercury	0.0598	0.0835	0.00130	1	J,B
Arsenic	13.4	0.750	0.130	1		Molybdenum	3.54	0.250	0.0206	1	
Barium	249	0.500	0.164	1		Nickel	9.50	0.250	0.0346	1	
Beryllium	0.160	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	5.13	0.500	0.00988	1		Silver	0.605	0.250	0.0209	1	
Chromium	12.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.95	0.250	0.00859	1		Vanadium	17.8	0.250	0.00934	1	
Copper	995	0.500	0.0469	1	B	Zinc	1120	1.00	0.177	1	B
Lead	96.4	0.500	0.0527	1	B						

SB-24-112907	**07-11-2096-11-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:19:15 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	189	0.750	0.191	1		Mercury	0.0282	0.0835	0.00130	1	J,B
Arsenic	73.5	0.750	0.130	1		Molybdenum	1.67	0.250	0.0206	1	
Barium	138	0.500	0.164	1		Nickel	6.03	0.250	0.0346	1	
Beryllium	0.0331	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	22.9	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	62.2	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	13.5	0.250	0.00859	1		Vanadium	7.22	0.250	0.00934	1	
Copper	2960	50.0	4.69	100	B	Zinc	1690	100	17.7	100	B
Lead	184	0.500	0.0527	1	B						

SB-43-112907	**07-11-2096-12-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:21:28 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	34.9	0.750	0.191	1		Mercury	0.0128	0.0835	0.00130	1	J,B
Arsenic	40.0	0.750	0.130	1		Molybdenum	43.7	0.250	0.0206	1	
Barium	575	0.500	0.164	1		Nickel	20.5	0.250	0.0346	1	
Beryllium	0.238	0.250	0.00368	1	J	Selenium	0.385	0.750	0.175	1	J
Cadmium	2.08	0.500	0.00988	1		Silver	0.571	0.250	0.0209	1	
Chromium	101	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	8.43	0.250	0.00859	1		Vanadium	25.2	0.250	0.00934	1	
Copper	20800	50.0	4.69	100	B	Zinc	4300	100	17.7	100	B
Lead	2580	50.0	5.27	100	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2096
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-07-112907	**07-11-2096-13-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:23:38 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.994	0.750	0.191	1		Mercury	0.0192	0.0835	0.00130	1	J,B
Arsenic	13.6	0.750	0.130	1		Molybdenum	3.82	0.250	0.0206	1	
Barium	222	0.500	0.164	1		Nickel	44.3	0.250	0.0346	1	
Beryllium	0.293	0.250	0.00368	1		Selenium	0.422	0.750	0.175	1	J
Cadmium	21.9	0.500	0.00988	1		Silver	1.67	0.250	0.0209	1	
Chromium	21.1	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	13.4	0.250	0.00859	1		Vanadium	22.4	0.250	0.00934	1	
Copper	780	5.00	0.469	10	B	Zinc	1870	100	17.7	100	B
Lead	250	0.500	0.0527	1	B						

SB-21-112907	**07-11-2096-14-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/03/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:25:48 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	14.9	0.750	0.191	1		Mercury	0.0175	0.0835	0.00130	1	J,B
Arsenic	11.8	0.750	0.130	1		Molybdenum	1.58	0.250	0.0206	1	
Barium	238	0.500	0.164	1		Nickel	27.4	0.250	0.0346	1	
Beryllium	0.596	0.250	0.00368	1		Selenium	1.10	0.750	0.175	1	
Cadmium	683	0.500	0.00988	1		Silver	1.57	0.250	0.0209	1	
Chromium	18.8	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.41	0.250	0.00859	1		Vanadium	26.1	0.250	0.00934	1	
Copper	6460	50.0	4.69	100	B	Zinc	1870	100	17.7	100	B
Lead	106	0.500	0.0527	1	B						

SB-36-112907	**07-11-2096-15-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/03/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:27:59 PM with batch 071130L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	25.9	0.750	0.191	1		Mercury	0.0139	0.0835	0.00130	1	J,B
Arsenic	17.1	0.750	0.130	1		Molybdenum	7.77	0.250	0.0206	1	
Barium	208	0.500	0.164	1		Nickel	41.2	0.250	0.0346	1	
Beryllium	0.263	0.250	0.00368	1		Selenium	1.39	0.750	0.175	1	
Cadmium	2.20	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	35.6	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.97	0.250	0.00859	1		Vanadium	66.4	0.250	0.00934	1	
Copper	2280	50.0	4.69	100	B	Zinc	1730	100	17.7	100	B
Lead	680	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 3050B / EPA 7471A Total
		Method:	EPA 6010B / EPA 7471A
		Units:	mg/kg
Project: Burn Debris Assessment / SC0459			Page 6 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-04-007-5,156**	**N/A**	**Solid**	**Mercury**	**11/30/07**	**11/30/07**	**071130L06**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	0.00840	0.0835	0.00130	1	J

Method Blank	**097-01-002-10,149**	**N/A**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Lead	0.179	0.500	0.0527	1	J
Arsenic	ND	0.750	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	ND	0.500	0.164	1		Nickel	ND	0.250	0.0346	1	
Beryllium	ND	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	ND	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	ND	0.250	0.00859	1		Vanadium	ND	0.250	0.00934	1	
Copper	0.0496	0.500	0.0469	1	J	Zinc	0.210	1.00	0.177	1	J

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2096
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-31-112807	**07-11-2096-1-A**	**11/28/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/04/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	4600	150	39	10		Benzo (a) Anthracene	150	100	32	10	
Acenaphthylene	3000	300	68	10		Chrysene	64	100	32	10	J
Acenaphthene	6800	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	380	100	32	10		Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	290	100	33	10		Benzo (a) Pyrene	ND	100	31	10	
Anthracene	56	100	35	10	J	Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	380	100	34	10		Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	180	100	29	10		Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	368	40-160	2

SB-42A-112807	**07-11-2096-2-A**	**11/28/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/04/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	1700	150	39	10		Benzo (a) Anthracene	ND	100	32	10	
Acenaphthylene	ND	300	68	10		Chrysene	ND	100	32	10	
Acenaphthene	760	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	ND	100	32	10		Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	130	100	33	10		Benzo (a) Pyrene	ND	100	31	10	
Anthracene	ND	100	35	10		Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	ND	100	34	10		Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	ND	100	29	10		Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	152	40-160	

SB-42B-112807	**07-11-2096-3-A**	**11/28/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	130	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	180	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	25	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	7.6	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	137	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 2 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-41-112807	**07-11-2096-4-A**	**11/28/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/04/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	770	30	7.8	2		Benzo (a) Anthracene	ND	20	6.4	2	
Acenaphthylene	ND	60	14	2		Chrysene	ND	20	6.4	2	
Acenaphthene	970	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	30	20	6.4	2		Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	45	20	6.7	2		Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	ND	20	7.0	2		Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	67	20	6.8	2		Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	ND	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	118	40-160	

SB-25A-112807	**07-11-2096-5-A**	**11/28/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	200	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	5.4	10	3.2	1	J
Acenaphthene	180	15	5.0	1		Benzo (b) Fluoranthene	8.2	10	3.2	1	J
Fluorene	210	10	3.2	1		Benzo (k) Fluoranthene	3.4	10	3.2	1	J
Phenanthrene	120	10	3.3	1		Benzo (a) Pyrene	6.2	10	3.1	1	J
Anthracene	17	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	250	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	13	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	284	40-160	2

SB-25B-112807	**07-11-2096-6-A**	**11/28/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	350	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	270	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	24	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	69	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	10	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	76	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 3 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-40-112807	**07-11-2096-7-A**	**11/28/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/04/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	2100	75	20	5		Benzo (a) Anthracene	ND	50	16	5	
Acenaphthylene	ND	150	34	5		Chrysene	ND	50	16	5	
Acenaphthene	670	75	25	5		Benzo (b) Fluoranthene	ND	50	16	5	
Fluorene	ND	50	16	5		Benzo (k) Fluoranthene	ND	50	16	5	
Phenanthrene	120	50	17	5		Benzo (a) Pyrene	ND	50	15	5	
Anthracene	ND	50	18	5		Dibenz (a,h) Anthracene	ND	50	19	5	
Fluoranthene	ND	50	17	5		Benzo (g,h,i) Perylene	ND	50	20	5	
Pyrene	ND	50	14	5		Indeno (1,2,3-c,d) Pyrene	ND	50	18	5	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	174	40-160	2

SB-17-112807	**07-11-2096-8-A**	**11/28/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	610	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	530	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	34	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	61	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	10	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	88	40-160	

SB-35-112907	**07-11-2096-9-A**	**11/29/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	190	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	16	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	153	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 4 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-35C-112907	**07-11-2096-10-A**	**11/29/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	610	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	150	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	23	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	66	40-160	

SB-24-112907	**07-11-2096-11-A**	**11/29/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	610	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	310	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	39	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	11	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	129	40-160	

SB-43-112907	**07-11-2096-12-A**	**11/29/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/04/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	530	30	7.8	2		Benzo (a) Anthracene	ND	20	6.4	2	
Acenaphthylene	ND	60	14	2		Chrysene	ND	20	6.4	2	
Acenaphthene	1500	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	14	20	6.4	2	J	Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	22	20	6.7	2		Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	ND	20	7.0	2		Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	ND	20	6.8	2		Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	ND	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	78	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 5 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-07-112907	**07-11-2096-13-A**	**11/29/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/04/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	490	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	180	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	20	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	72	40-160	

SB-21-112907	**07-11-2096-14-A**	**11/29/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/04/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	250	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	160	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	10	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	67	40-160	

SB-36-112907	**07-11-2096-15-A**	**11/29/07**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	780	15	3.9	1		Benzo (a) Anthracene	26	10	3.2	1	
Acenaphthylene	310	30	6.8	1		Chrysene	16	10	3.2	1	
Acenaphthene	400	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	81	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	120	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	22	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	140	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	38	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	85	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 6 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-07-002-975**	**N/A**	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	ND	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	123	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2096

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SB-24-112907	**07-11-2096-11**	**11/29/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

SB-43-112907	**07-11-2096-12**	**11/29/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

SB-07-112907	**07-11-2096-13**	**11/29/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

SB-21-112907	**07-11-2096-14**	**11/29/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

SB-36-112907	**07-11-2096-15**	**11/29/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

Method Blank	**N/A**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2096
Preparation: EPA 3050B
Method: EPA 6010B

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-17-112807	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	48	67	50-115	11	0-20	3
Arsenic	89	151	75-125	19	0-20	3
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	96	96	75-125	0	0-20	
Cadmium	91	90	75-125	1	0-20	
Chromium	54	142	75-125	33	0-20	3,4
Cobalt	77	84	75-125	6	0-20	
Copper	4X	4X	75-125	4X	0-20	Q
Lead	4X	4X	75-125	4X	0-20	Q
Molybdenum	88	90	75-125	2	0-20	
Nickel	81	104	75-125	16	0-20	
Selenium	95	94	75-125	1	0-20	
Silver	96	123	75-125	22	0-20	4
Thallium	11	22	75-125	68	0-20	3,4
Vanadium	95	99	75-125	3	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2096
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-17-112807	**Solid**	**Mercury**	**11/30/07**	**11/30/07**	**071130S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	89	89	84-138	0	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2096
Preparation:	EPA 3545
Method:	EPA 8310

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-36-112907	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129S13**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	0	0	40-160	0	0-20	3
Acenaphthylene	0	0	40-160	1	0-20	3
Acenaphthene	0	0	40-160	1	0-20	3
Fluorene	0	0	40-160	0	0-20	3
Phenanthrene	0	0	40-160	0	0-20	3
Anthracene	0	0	40-160	0	0-20	3
Fluoranthene	0	0	40-160	1	0-20	3
Pyrene	0	0	40-160	2	0-20	3
Benzo (a) Anthracene	0	0	40-160	1	0-20	3
Chrysene	0	0	40-160	0	0-20	3
Benzo (b) Fluoranthene	2	2	40-160	2	0-20	3
Benzo (k) Fluoranthene	0	0	40-160	0	0-20	3
Benzo (a) Pyrene	2	2	40-160	7	0-20	3
Dibenz (a,h) Anthracene	0	0	40-160	0	0-20	3
Benzo (g,h,i) Perylene	0	0	40-160	0	0-20	3
Indeno (1,2,3-c,d) Pyrene	0	0	40-160	0	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-2096

Project: Burn Debris Assessment / SC0459

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	SB-07-112907	12/12/07	12/12/07	86	85	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-10,149	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	98	103	80-120	6	0-20	
Arsenic	95	103	80-120	8	0-20	
Barium	100	110	80-120	10	0-20	
Beryllium	93	103	80-120	10	0-20	
Cadmium	99	108	80-120	9	0-20	
Chromium	100	109	80-120	9	0-20	
Cobalt	100	109	80-120	9	0-20	
Copper	94	101	80-120	7	0-20	
Lead	99	107	80-120	8	0-20	
Molybdenum	99	108	80-120	8	0-20	
Nickel	104	112	80-120	7	0-20	
Selenium	92	101	80-120	9	0-20	
Silver	95	110	80-120	14	0-20	
Thallium	96	104	80-120	8	0-20	
Vanadium	96	105	80-120	9	0-20	
Zinc	102	114	80-120	12	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,156	**Solid**	**Mercury**	**11/30/07**	**11/30/07**	**071130L06**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	99	97	87-117	3	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2096
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-002-975	**Solid**	**HPLC 6**	**11/29/07**	**12/03/07**	**071129L13**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	104	112	40-160	7	0-20	
Acenaphthylene	99	106	40-160	6	0-20	
Acenaphthene	96	101	40-160	5	0-20	
Fluorene	102	108	40-160	6	0-20	
Phenanthrene	94	100	40-160	6	0-20	
Anthracene	93	99	40-160	6	0-20	
Fluoranthene	99	105	40-160	6	0-20	
Pyrene	97	103	40-160	6	0-20	
Benzo (a) Anthracene	98	104	40-160	6	0-20	
Chrysene	109	115	40-160	5	0-20	
Benzo (b) Fluoranthene	53	56	40-160	6	0-20	
Benzo (k) Fluoranthene	100	106	40-160	6	0-20	
Benzo (a) Pyrene	102	109	40-160	6	0-20	
Dibenz (a,h) Anthracene	96	105	40-160	9	0-20	
Benzo (g,h,i) Perylene	100	106	40-160	6	0-20	
Indeno (1,2,3-c,d) Pyrene	92	98	40-160	6	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-2096

Project: Burn Debris Assessment / SC0459

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	099-05-001-2,605	12/12/07	12/12/07	20.0	18.0	90	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-2096

Qualifier	Definition
*	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.
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.

Stephen Nowak

From: VWittig@Geosyntec.com
Sent: Tuesday, December 11, 2007 1:35 PM
To: Stephen Nowak
Cc: SMcCarthy@Geosyntec.com; JSchwartz@Geosyntec.com
Subject: Hexavalent Chromium Analyses
Importance: High

Hi Steve,
Here is the list of 14 samples we need to have additionally analyzed for hexavalent chromium by EPA Method 7196A:

SD-56-11282007
SD-02-11282007
SD-12-11272007
SD-20-11282007
SD-34-11262007
SD-44-11282007
SD-51-11282007
SB-05-11292007
SB-07-11292007
SB-20-11282007
SB-21-11292007
SB-24-11292007
SB-36-11292007
SB-43-11292007

We discussed a 24 hour TAT, but a 48 hour TAT will work with our schedule. Therefore, can you provide results by Thursday afternoon?

Veryl Wittig, PG 7115, CHG 723
Hydrogeologist
Geosyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127
P: 858.674.6559 x 203
F: 858.674.6586
M: 619.884.6552
vwittig@geosyntec.com
This electronic mail message contains information that (a) is or may be LEGALLY PRIVILEGED, CONFIDENTIAL, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) is intended only for the use of the Addressee(s) named herein. If you are not the intended recipient, an addressee, or the person responsible for delivering this to an addressee, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this electronic mail message in error, please contact us immediately and take the steps necessary to delete the message completely from your computer system.

Document Number: 2213

(2096)

Analysis Request and Chain of Custody Record

Project Name: Burned Debris Assess.	Project Number: SC0459
Samplers Names: E. Ortenberg	Project Contact: Veryl Wittig
Laboratory Name: Calscience	Lab Contact: Steve Nowak
Lab Address: Garden Grove	Lab Phone: 714-
	Carrier/Waybill No.

Page 1 of 2

White copy: to accompany samples

Yellow copy: field copy

Sample Name	Date	Time	Sample Type	VOCs by ___	Metals 6010B	SVOCs by 8270	T22 (TTLC)	8310 (PAHs)						Comments	Lab Use Only: Condition of Bottles
				Bottle Type and Volume/Preservative	8oz or 2-4oz		8oz or 2-4oz	8oz or 2-4oz							
				Number of Containers											
1 SB-31-112807	11.28.07	13:02	Soil		X		X	X							
2 SB-42A-112807		13:45			X		X	X							
3 SB-42B-112807		14:00			X		X	X							
4 SB-41-112807		14:25			X		X	X							
5 SB-25A-112807		14:45			X		X	X							
6 SB-25B-112807		15:05			X		X	X							
7 SB-40-112807		15:30			X		X	X							
8 SB-17-112807		15:55			X		X	X							
9 SB-35-112907	11.29.07	08:00			X		1	1							
10 SB-35C-112907		08:00	EW		~~2-4oz~~		~~2-4oz~~	~~2-4oz~~							
11 SB-24-112907		08:45			X		1	1							
12 SB-43-112907		09:15			1		1	1							

Special Instructions: If Arsenic Concentrations by 6010B are < MDL then analyze by 7010. (Soil is ash)

Turn-around Time: 5 day standard

☒ Normal ☐ Rush: _____

1. Relinquished by (Signiture/Affiliation): Elyse Warnke	Date 11.29.07 Time 1240	1. Received by (Signiture/Affiliation): Wbatu CE	Date 11-29-07 Time 1240
2. Relinquished by (Signiture/Affiliation): Wbatu	Date 11-29-07 Time 1409	2. Received by (Signiture/Affiliation):	Date Time
3. Relinquished by (Signiture/Affiliation):	Date Time	3. Received by (Signiture/Affiliation):	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Document Number: 2214

2096

Analysis Request and Chain of Custody Record

Page 2 of 2

Project Name: Burned Debris Assess.	Project Number: SC0459
Samplers Names: Eli Ortenberg	Project Contact: Veryl Wittig
Laboratory Name: CalScience	Lab Contact: Steve Novak
Lab Address: Garden Grove	Lab Phone: 714
	Carrier/Waybill No.

White copy: to accompany samples

Yellow copy: field copy

Sample Name	Date	Time	Sample Type	VOCs by ___	Metals 6010B	SVOCs by 8270	T22/TTLC	8310 (PAH)						Comments	Lab Use Only: Condition of Bottles
				Bottle Type and Volume/Preservative	8oz or 2-4oz		8oz or 2-4oz	8oz or 2-4oz							
				Number of Containers											
13 SB-EW07-112907	11.29.07	09:40	Soil		2		2	2							
14 SB-21-112907	↓	09:55	↓		2		2	2							
15 SB-36-112907		10:42			2		2	2							
					EW										
				11.29.07											

Special Instructions: If Arsenic concentrations by 6010B are < MDL, then analyze by 7010. (soil is ash)

Turn-around Time: ~~5 day standard~~ ☒ Normal ☐ Rush: _____

1. Relinquished by (Signature/Affiliation): Elyse Warnecke	Date 11.29.07 Time 1240	1. Received by (Signature/Affiliation): [illegible] CET	Date 11-29-07 Time 1240
2. Relinquished by (Signature/Affiliation): [illegible]	Date 11-29-07 Time 1409	2. Received by (Signature/Affiliation):	Date Time
3. Relinquished by (Signature/Affiliation):	Date Time	3. Received by (Signature/Affiliation):	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 0 7 - 1 1 - 2 0 9 6

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: GEOSYNTEC **DATE:** 11-29-07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ✓ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

3.0 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

Sample(s): ✓ Cooler: ____ No (Not Intact) : ____ Not Present: ~~WB~~

Initial: WB

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: WB

COMMENTS:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 13, 2007

Additional requested analyses have been added to the original report.

Veryl Wittig
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-11-2129**
Client Reference: Burn Ash Sampling / SC0459

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/29/2007 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2129
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-26-11282007	**07-11-2129-1-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:15:12 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.187	0.0835	0.00130	1	
Arsenic	5.96	0.750	0.130	1		Molybdenum	2.67	0.250	0.0206	1	
Barium	159	0.500	0.164	1		Nickel	28.5	0.250	0.0346	1	B
Beryllium	1.00	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	31.4	0.500	0.00988	1		Silver	1.70	0.250	0.0209	1	
Chromium	13.5	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.17	0.250	0.00859	1		Vanadium	17.5	0.250	0.00934	1	B
Copper	1860	10.0	0.938	20		Zinc	2190	20.0	3.54	20	
Lead	3350	10.0	1.05	20							

SD-02-11282007	**07-11-2129-2-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:17:30 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	73.1	0.750	0.191	1	B	Mercury	ND	0.0835	0.00130	1	
Arsenic	12.6	0.750	0.130	1		Molybdenum	3.63	0.250	0.0206	1	
Barium	420	0.500	0.164	1		Nickel	23.1	0.250	0.0346	1	B
Beryllium	1.17	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	6.22	0.500	0.00988	1		Silver	42.2	0.250	0.0209	1	
Chromium	345	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	47.9	0.250	0.00859	1		Vanadium	40.9	0.250	0.00934	1	B
Copper	2430	10.0	0.938	20		Zinc	3080	20.0	3.54	20	
Lead	1680	10.0	1.05	20							

SD-44-11282007	**07-11-2129-3-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:19:43 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0326	0.0835	0.00130	1	J
Arsenic	9.00	0.750	0.130	1		Molybdenum	5.64	0.250	0.0206	1	
Barium	262	0.500	0.164	1		Nickel	28.2	0.250	0.0346	1	B
Beryllium	1.14	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	2.67	0.500	0.00988	1		Silver	9.09	0.250	0.0209	1	
Chromium	26.7	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.82	0.250	0.00859	1		Vanadium	21.2	0.250	0.00934	1	B
Copper	627	0.500	0.0469	1		Zinc	1640	20.0	3.54	20	
Lead	1370	10.0	1.05	20							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2129
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-20-11282007	**07-11-2129-4-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:03:52 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	35.0	0.750	0.191	1	B	Mercury	0.0109	0.0835	0.00130	1	J
Arsenic	11.3	0.750	0.130	1		Molybdenum	2.65	0.250	0.0206	1	
Barium	283	0.500	0.164	1		Nickel	69.2	0.250	0.0346	1	B
Beryllium	1.08	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.93	0.500	0.00988	1		Silver	12.4	0.250	0.0209	1	
Chromium	28.7	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.05	0.250	0.00859	1		Vanadium	31.6	0.250	0.00934	1	B
Copper	2310	10.0	0.938	20		Zinc	2180	20.0	3.54	20	
Lead	448	0.500	0.0527	1							

SD-11-11282007	**07-11-2129-5-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:21:54 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	14.0	0.750	0.191	1	B	Mercury	0.0716	0.0835	0.00130	1	J
Arsenic	10.5	0.750	0.130	1		Molybdenum	1.17	0.250	0.0206	1	
Barium	179	0.500	0.164	1		Nickel	27.8	0.250	0.0346	1	B
Beryllium	1.05	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.227	0.500	0.00988	1	J	Silver	1.01	0.250	0.0209	1	
Chromium	24.4	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	4.61	0.250	0.00859	1		Vanadium	29.1	0.250	0.00934	1	B
Copper	8080	10.0	0.938	20		Zinc	1310	20.0	3.54	20	
Lead	111	0.500	0.0527	1							

SD-53-11282007	**07-11-2129-6-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:24:04 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	18.2	0.750	0.191	1	B	Mercury	0.0170	0.0835	0.00130	1	J
Arsenic	6.59	0.750	0.130	1		Molybdenum	3.76	0.250	0.0206	1	
Barium	213	0.500	0.164	1		Nickel	27.9	0.250	0.0346	1	B
Beryllium	0.995	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	4.73	0.500	0.00988	1		Silver	21.1	0.250	0.0209	1	
Chromium	195	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	18.5	0.250	0.00859	1		Vanadium	16.6	0.250	0.00934	1	B
Copper	6870	10.0	0.938	20		Zinc	6080	20.0	3.54	20	
Lead	463	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2129
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-47-11282007	**07-11-2129-7-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:26:15 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	7.11	0.750	0.191	1	B	Mercury	0.00752	0.0835	0.00130	1	J
Arsenic	8.17	0.750	0.130	1		Molybdenum	1.90	0.250	0.0206	1	
Barium	326	0.500	0.164	1		Nickel	5.96	0.250	0.0346	1	B
Beryllium	0.922	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	3.63	0.500	0.00988	1		Silver	0.793	0.250	0.0209	1	
Chromium	15.9	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	2.00	0.250	0.00859	1		Vanadium	8.63	0.250	0.00934	1	B
Copper	124	0.500	0.0469	1		Zinc	4490	20.0	3.54	20	
Lead	379	0.500	0.0527	1							

SD-50-11282007	**07-11-2129-8-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:28:27 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	6.61	0.750	0.191	1	B	Mercury	0.0428	0.0835	0.00130	1	J
Arsenic	6.67	0.750	0.130	1		Molybdenum	3.69	0.250	0.0206	1	
Barium	146	0.500	0.164	1		Nickel	9.46	0.250	0.0346	1	B
Beryllium	0.966	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.0478	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	8.64	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	44.3	0.250	0.00859	1		Vanadium	12.8	0.250	0.00934	1	B
Copper	4340	10.0	0.938	20		Zinc	9020	20.0	3.54	20	
Lead	60.2	0.500	0.0527	1							

SD-50C-11282007	**07-11-2129-9-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:30:39 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	11.3	0.750	0.191	1	B	Mercury	0.0471	0.0835	0.00130	1	J
Arsenic	6.64	0.750	0.130	1		Molybdenum	4.65	0.250	0.0206	1	
Barium	130	0.500	0.164	1		Nickel	9.85	0.250	0.0346	1	B
Beryllium	0.920	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	7.52	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	46.9	0.250	0.00859	1		Vanadium	13.2	0.250	0.00934	1	B
Copper	2530	10.0	0.938	20		Zinc	5110	20.0	3.54	20	
Lead	288	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2129
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-55-11282007	**07-11-2129-10-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:32:52 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	9.20	0.750	0.191	1	B	Mercury	0.0291	0.0835	0.00130	1	J
Arsenic	4.13	0.750	0.130	1		Molybdenum	2.00	0.250	0.0206	1	
Barium	94.3	0.500	0.164	1		Nickel	8.13	0.250	0.0346	1	B
Beryllium	0.899	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.736	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	8.84	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.09	0.250	0.00859	1		Vanadium	9.38	0.250	0.00934	1	B
Copper	457	0.500	0.0469	1		Zinc	772	1.00	0.177	1	
Lead	56.1	0.500	0.0527	1							

SD-51-11282007	**07-11-2129-11-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:35:06 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	2.24	0.750	0.191	1	B	Mercury	0.00274	0.0835	0.00130	1	J
Arsenic	5.96	0.750	0.130	1		Molybdenum	1.55	0.250	0.0206	1	
Barium	163	0.500	0.164	1		Nickel	9.68	0.250	0.0346	1	B
Beryllium	1.03	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	2.81	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	21.4	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.07	0.250	0.00859	1		Vanadium	24.4	0.250	0.00934	1	B
Copper	851	0.500	0.0469	1		Zinc	572	1.00	0.177	1	
Lead	39.7	0.500	0.0527	1							

SD-62-11282007	**07-11-2129-12-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:44:35 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0494	0.0835	0.00130	1	J
Arsenic	6.62	0.750	0.130	1		Molybdenum	1.47	0.250	0.0206	1	
Barium	195	0.500	0.164	1		Nickel	320	0.250	0.0346	1	B
Beryllium	0.996	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	14.6	0.500	0.00988	1		Silver	5.99	0.250	0.0209	1	
Chromium	20.9	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	21.1	0.250	0.00859	1		Vanadium	20.1	0.250	0.00934	1	B
Copper	1980	10.0	0.938	20		Zinc	2290	20.0	3.54	20	
Lead	154	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2129
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-58-11282007	**07-11-2129-13-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:46:49 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	21.6	0.750	0.191	1	B	Mercury	0.00735	0.0835	0.00130	1	J
Arsenic	2.53	0.750	0.130	1		Molybdenum	0.717	0.250	0.0206	1	
Barium	88.1	0.500	0.164	1		Nickel	32.1	0.250	0.0346	1	B
Beryllium	0.867	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	3.03	0.500	0.00988	1		Silver	0.781	0.250	0.0209	1	
Chromium	8.50	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	3.03	0.250	0.00859	1		Vanadium	15.7	0.250	0.00934	1	B
Copper	222	0.500	0.0469	1		Zinc	489	1.00	0.177	1	
Lead	36.2	0.500	0.0527	1							

SD-56-11282007	**07-11-2129-14-A**	**11/28/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 2:49:03 PM with batch 071203L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	6.18	0.750	0.191	1	B	Mercury	0.0361	0.0835	0.00130	1	J
Arsenic	9.44	0.750	0.130	1		Molybdenum	1.89	0.250	0.0206	1	
Barium	253	0.500	0.164	1		Nickel	23.3	0.250	0.0346	1	B
Beryllium	0.975	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.951	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	18.7	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.88	0.250	0.00859	1		Vanadium	13.1	0.250	0.00934	1	B
Copper	313	0.500	0.0469	1		Zinc	2340	20.0	3.54	20	
Lead	49.4	0.500	0.0527	1							

Method Blank	**099-04-007-5,160**	**N/A**	**Solid**	**Mercury**	**12/03/07**	**12/03/07**	**071203L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.00130	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2129
San Diego, CA 92127-2116		Preparation:	EPA 3050B / EPA 7471A Total
		Method:	EPA 6010B / EPA 7471A
		Units:	mg/kg
Project: Burn Ash Sampling / SC0459			Page 6 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-002-10,156**	**N/A**	**Solid**	**ICP 5300**	**12/03/07**	**12/05/07**	**071203L08**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.453	0.750	0.191	1	J	Lead	ND	0.500	0.0527	1	
Arsenic	ND	0.750	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	ND	0.500	0.164	1		Nickel	0.0462	0.250	0.0346	1	J
Beryllium	ND	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	ND	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	ND	0.250	0.00859	1		Vanadium	0.0280	0.250	0.00934	1	J
Copper	ND	0.500	0.0469	1		Zinc	ND	1.00	0.177	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2129
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-26-11282007	**07-11-2129-1-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	530	15	3.9	1		Benzo (a) Anthracene	34	10	3.2	1	
Acenaphthylene	610	30	6.8	1		Chrysene	3.4	10	3.2	1	J
Acenaphthene	380	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	71	10	3.2	1		Benzo (k) Fluoranthene	5.8	10	3.2	1	J
Phenanthrene	210	10	3.3	1		Benzo (a) Pyrene	8.1	10	3.1	1	J
Anthracene	38	10	3.5	1		Dibenz (a,h) Anthracene	12	10	3.7	1	
Fluoranthene	220	10	3.4	1		Benzo (g,h,i) Perylene	12	10	4.0	1	
Pyrene	9.4	10	2.9	1	J	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	46	40-160	

SD-02-11282007	**07-11-2129-2-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	140	15	3.9	1		Benzo (a) Anthracene	3.8	10	3.2	1	J
Acenaphthylene	100	30	6.8	1		Chrysene	5.0	10	3.2	1	J
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	29	10	3.2	1	
Fluorene	10	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	9.8	10	3.3	1	J	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	19	10	4.0	1	
Pyrene	29	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	71	40-160	

SD-44-11282007	**07-11-2129-3-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	230	15	3.9	1		Benzo (a) Anthracene	72	10	3.2	1	
Acenaphthylene	240	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	20	10	3.2	1		Benzo (k) Fluoranthene	7.2	10	3.2	1	J
Phenanthrene	91	10	3.3	1		Benzo (a) Pyrene	10	10	3.1	1	
Anthracene	12	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	24	10	3.4	1		Benzo (g,h,i) Perylene	6.8	10	4.0	1	J
Pyrene	210	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	7.3	10	3.5	1	J

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	52	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2129
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-20-11282007	**07-11-2129-4-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	240	15	3.9	1		Benzo (a) Anthracene	130	10	3.2	1	
Acenaphthylene	210	30	6.8	1		Chrysene	28	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	17	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	110	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	8.4	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	310	10	3.4	1		Benzo (g,h,i) Perylene	4.6	10	4.0	1	J
Pyrene	430	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	4.4	10	3.5	1	J

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	49	40-160	

SD-11-11282007	**07-11-2129-5-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	950	15	3.9	1		Benzo (a) Anthracene	60	10	3.2	1	
Acenaphthylene	830	30	6.8	1		Chrysene	72	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	80	10	3.2	1		Benzo (k) Fluoranthene	4.5	10	3.2	1	J
Phenanthrene	360	10	3.3	1		Benzo (a) Pyrene	14	10	3.1	1	
Anthracene	31	10	3.5	1		Dibenz (a,h) Anthracene	5.0	10	3.7	1	J
Fluoranthene	26	10	3.4	1		Benzo (g,h,i) Perylene	10	10	4.0	1	
Pyrene	600	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	14	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	49	40-160	

SD-53-11282007	**07-11-2129-6-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	830	30	7.8	2		Benzo (a) Anthracene	810	20	6.4	2	
Acenaphthylene	1200	60	14	2		Chrysene	130	20	6.4	2	
Acenaphthene	520	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	94	20	6.4	2		Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	490	20	6.7	2		Benzo (a) Pyrene	15	20	6.2	2	J
Anthracene	51	20	7.0	2		Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	100	20	6.8	2		Benzo (g,h,i) Perylene	26	20	7.9	2	
Pyrene	790	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	23	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	45	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2129
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Ash Sampling / SC0459			Page 3 of 5

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-47-11282007	**07-11-2129-7-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	610	15	3.9	1		Benzo (a) Anthracene	16	10	3.2	1	
Acenaphthylene	610	30	6.8	1		Chrysene	7.0	10	3.2	1	J
Acenaphthene	200	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	27	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	19	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	3.6	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	27	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	44	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	4.6	10	3.5	1	J

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	46	40-160	

SD-50-11282007	**07-11-2129-8-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	790	15	3.9	1		Benzo (a) Anthracene	66	10	3.2	1	
Acenaphthylene	670	30	6.8	1		Chrysene	140	10	3.2	1	
Acenaphthene	180	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	130	10	3.2	1		Benzo (k) Fluoranthene	8.1	10	3.2	1	J
Phenanthrene	410	10	3.3	1		Benzo (a) Pyrene	27	10	3.1	1	
Anthracene	81	10	3.5	1		Dibenz (a,h) Anthracene	67	10	3.7	1	
Fluoranthene	77	10	3.4	1		Benzo (g,h,i) Perylene	16	10	4.0	1	
Pyrene	100	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	17	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	102	40-160	

SD-50C-11282007	**07-11-2129-9-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	440	15	3.9	1		Benzo (a) Anthracene	37	10	3.2	1	
Acenaphthylene	450	30	6.8	1		Chrysene	100	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	28	10	3.2	1	
Fluorene	92	10	3.2	1		Benzo (k) Fluoranthene	6.2	10	3.2	1	J
Phenanthrene	250	10	3.3	1		Benzo (a) Pyrene	21	10	3.1	1	
Anthracene	54	10	3.5	1		Dibenz (a,h) Anthracene	70	10	3.7	1	
Fluoranthene	52	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	17	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	6.6	10	3.5	1	J

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	83	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2129
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg
	Page 4 of 5

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-55-11282007	**07-11-2129-10-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	1500	30	7.8	2		Benzo (a) Anthracene	260	20	6.4	2	
Acenaphthylene	1500	60	14	2		Chrysene	67	20	6.4	2	
Acenaphthene	ND	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	400	20	6.4	2		Benzo (k) Fluoranthene	40	20	6.4	2	
Phenanthrene	840	20	6.7	2		Benzo (a) Pyrene	61	20	6.2	2	
Anthracene	180	20	7.0	2		Dibenz (a,h) Anthracene	52	20	7.5	2	
Fluoranthene	310	20	6.8	2		Benzo (g,h,i) Perylene	30	20	7.9	2	
Pyrene	360	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	52	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	54	40-160	

SD-51-11282007	**07-11-2129-11-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	450	15	3.9	1		Benzo (a) Anthracene	45	10	3.2	1	
Acenaphthylene	590	30	6.8	1		Chrysene	5.0	10	3.2	1	J
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	71	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	160	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	21	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	9.0	10	3.4	1	J	Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	310	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	54	40-160	

SD-62-11282007	**07-11-2129-12-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	510	15	3.9	1		Benzo (a) Anthracene	120	10	3.2	1	
Acenaphthylene	440	30	6.8	1		Chrysene	16	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	44	10	3.2	1		Benzo (k) Fluoranthene	6.6	10	3.2	1	J
Phenanthrene	130	10	3.3	1		Benzo (a) Pyrene	17	10	3.1	1	
Anthracene	20	10	3.5	1		Dibenz (a,h) Anthracene	14	10	3.7	1	
Fluoranthene	25	10	3.4	1		Benzo (g,h,i) Perylene	8.1	10	4.0	1	J
Pyrene	610	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	11	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	57	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2129
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Ash Sampling / SC0459			Page 5 of 5

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-58-11282007	**07-11-2129-13-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	280	15	3.9	1		Benzo (a) Anthracene	37	10	3.2	1	
Acenaphthylene	160	30	6.8	1		Chrysene	20	10	3.2	1	
Acenaphthene	20	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	32	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	36	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	4.3	10	3.5	1	J	Dibenz (a,h) Anthracene	3.9	10	3.7	1	J
Fluoranthene	80	10	3.4	1		Benzo (g,h,i) Perylene	4.8	10	4.0	1	J
Pyrene	140	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	6.9	10	3.5	1	J

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	73	40-160	

SD-56-11282007	**07-11-2129-14-A**	**11/28/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	3000	75	20	5		Benzo (a) Anthracene	160	50	16	5	
Acenaphthylene	2100	150	34	5		Chrysene	100	50	16	5	
Acenaphthene	840	75	25	5		Benzo (b) Fluoranthene	ND	50	16	5	
Fluorene	210	50	16	5		Benzo (k) Fluoranthene	ND	50	16	5	
Phenanthrene	1000	50	17	5		Benzo (a) Pyrene	72	50	15	5	
Anthracene	120	50	18	5		Dibenz (a,h) Anthracene	40	50	19	5	J
Fluoranthene	120	50	17	5		Benzo (g,h,i) Perylene	ND	50	20	5	
Pyrene	370	50	14	5		Indeno (1,2,3-c,d) Pyrene	ND	50	18	5	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	72	40-160	

Method Blank	**099-07-002-976**	**N/A**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	ND	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	84	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2129

Project: Burn Ash Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SD-02-11282007	**07-11-2129-2**	**11/28/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

SD-44-11282007	**07-11-2129-3**	**11/28/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

SD-20-11282007	**07-11-2129-4**	**11/28/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

SD-51-11282007	**07-11-2129-11**	**11/28/07**	**Solid**

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent	0.88	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

SD-56-11282007	**07-11-2129-14**	**11/28/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

Method Blank		**N/A**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2129
Preparation:	EPA 3050B
Method:	EPA 6010B

Project Burn Ash Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SD-20-11282007	**Solid**	**ICP 5300**	**12/03/07**	**12/06/07**	**071203S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	87	92	50-115	2	0-20	
Arsenic	123	127	75-125	3	0-20	3
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	100	102	75-125	2	0-20	
Cadmium	100	103	75-125	3	0-20	
Chromium	108	111	75-125	1	0-20	
Cobalt	97	101	75-125	4	0-20	
Copper	4X	4X	75-125	4X	0-20	Q
Lead	4X	4X	75-125	4X	0-20	Q
Molybdenum	94	100	75-125	5	0-20	
Nickel	105	114	75-125	2	0-20	
Selenium	85	76	75-125	11	0-20	
Silver	125	127	75-125	1	0-20	3
Thallium	56	63	75-125	11	0-20	3
Vanadium	116	119	75-125	1	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2129
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project Burn Ash Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SD-20-11282007	**Solid**	**Mercury**	**12/03/07**	**12/03/07**	**071203S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	7	7	84-138	2	0-7	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received	11/29/07
Work Order No:	07-11-2129
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project: Burn Ash Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
SD-20-11282007	**Solid**	**Mercury**	**12/03/07**	**12/03/07**	**071203S03**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	101	102	75-125	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2129
Preparation:	EPA 3545
Method:	EPA 8310

Project Burn Ash Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SD-20-11282007	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	486	275	40-160	34	0-20	3,4
Acenaphthylene	385	296	40-160	16	0-20	3
Acenaphthene	68	67	40-160	1	0-20	
Fluorene	64	45	40-160	27	0-20	4
Phenanthrene	131	238	40-160	36	0-20	4,3
Anthracene	73	58	40-160	22	0-20	4
Fluoranthene	562	482	40-160	10	0-20	3
Pyrene	1208	1061	40-160	13	0-20	3
Benzo (a) Anthracene	223	205	40-160	5	0-20	3
Chrysene	73	66	40-160	7	0-20	
Benzo (b) Fluoranthene	1918	4347	40-160	78	0-20	3,4
Benzo (k) Fluoranthene	18	14	40-160	20	0-20	3
Benzo (a) Pyrene	29	28	40-160	2	0-20	3
Dibenz (a,h) Anthracene	6	1	40-160	121	0-20	3,4
Benzo (g,h,i) Perylene	21	21	40-160	2	0-20	3
Indeno (1,2,3-c,d) Pyrene	17	17	40-160	3	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-2129

Project: Burn Ash Sampling / SC0459

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	07-11-2096-13	12/12/07	12/12/07	86	85	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2129
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Burn Ash Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-10,156	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	100	100	80-120	0	0-20	
Arsenic	103	97	80-120	6	0-20	
Barium	94	103	80-120	9	0-20	
Beryllium	101	96	80-120	5	0-20	
Cadmium	105	103	80-120	2	0-20	
Chromium	103	103	80-120	0	0-20	
Cobalt	104	105	80-120	0	0-20	
Copper	97	97	80-120	0	0-20	
Lead	104	101	80-120	3	0-20	
Molybdenum	103	101	80-120	1	0-20	
Nickel	108	106	80-120	2	0-20	
Selenium	98	91	80-120	8	0-20	
Silver	103	97	80-120	6	0-20	
Thallium	98	99	80-120	1	0-20	
Vanadium	99	99	80-120	0	0-20	
Zinc	111	103	80-120	8	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2129
San Diego, CA 92127-2116		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Burn Ash Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,160	**Solid**	**Mercury**	**12/03/07**	**12/03/07**	**071203L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	98	87-117	1	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2129
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310

Project: Burn Ash Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-002-976	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	85	84	40-160	2	0-20	
Acenaphthylene	80	80	40-160	0	0-20	
Acenaphthene	83	83	40-160	0	0-20	
Fluorene	83	83	40-160	0	0-20	
Phenanthrene	81	79	40-160	2	0-20	
Anthracene	87	84	40-160	3	0-20	
Fluoranthene	90	86	40-160	5	0-20	
Pyrene	96	92	40-160	5	0-20	
Benzo (a) Anthracene	102	102	40-160	0	0-20	
Chrysene	108	107	40-160	0	0-20	
Benzo (b) Fluoranthene	51	51	40-160	0	0-20	
Benzo (k) Fluoranthene	102	102	40-160	0	0-20	
Benzo (a) Pyrene	100	100	40-160	0	0-20	
Dibenz (a,h) Anthracene	103	103	40-160	0	0-20	
Benzo (g,h,i) Perylene	104	103	40-160	1	0-20	
Indeno (1,2,3-c,d) Pyrene	95	95	40-160	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-11-2129

Project: Burn Ash Sampling / SC0459

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	099-05-001-2,605	12/12/07	12/12/07	20.0	18.0	90	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-2129

Qualifier	Definition
*	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.
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.

Stephen Nowak

From: VWittig@Geosyntec.com
Sent: Tuesday, December 11, 2007 1:35 PM
To: Stephen Nowak
Cc: SMcCarthy@Geosyntec.com; JSchwartz@Geosyntec.com
Subject: Hexavalent Chromium Analyses
Importance: High

Hi Steve,
Here is the list of 14 samples we need to have additionally analyzed for hexavalent chromium by EPA Method 7196A:

SD-56-11282007
SD-02-11282007
SD-12-11272007
SD-20-11282007
SD-34-11262007
SD-44-11282007
SD-51-11282007
SB-05-11292007
SB-07-11292007
SB-20-11282007
SB-21-11292007
SB-24-11292007
SB-36-11292007
SB-43-11292007

We discussed a 24 hour TAT, but a 48 hour TAT will work with our schedule. Therefore, can you provide results by Thursday afternoon?

Veryl Wittig, PG 7115, CHG 723
Hydrogeologist
Geosyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127
P: 858.674.6559 x 203
F: 858.674.6586
M: 619.884.6552
vwittig@geosyntec.com
This electronic mail message contains information that (a) is or may be LEGALLY PRIVILEGED, CONFIDENTIAL, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) is intended only for the use of the Addressee(s) named herein. If you are not the intended recipient, an addressee, or the person responsible for delivering this to an addressee, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this electronic mail message in error, please contact us immediately and take the steps necessary to delete the message completely from your computer system.

Document Number: 2210

Analysis Request and Chain of Custody Record

(2129)

Page 1 of 2

Project Name: Burn Ash Sampling	Project Number: SC0459
Samplers Names: Jennifer Schwartz	Project Contact: Veryl Wittig
Laboratory Name: Calscience	Lab Contact: Steve Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA	Lab Phone: (714) 895-5494
	Carrier/Waybill No.: Pick UP

White copy: to accompany samples

Yellow copy: field copy

Required Analyses: VOCs by ____; Metals 6010B; SVOCs by 8270; PAHs 8310

Bottle Type and Volume/Preservative: 8 oz Glass; 8 oz Glass

	Sample Name	Date	Time	Sample Type	VOCs by ____	Metals 6010B (8 oz Glass)	SVOCs by 8270	PAHs 8310 (8 oz Glass)							Comments	Lab Use Only: Condition of Bottles
1	SD-26-11282007	11/28/07	8:00	Soil		X		X								
2	SD-02-11282007		8:25													
3	SD-44-11282007		8:50													
4	SD-20-11282007		9:20													
5	SD-11-11282007		10:10													
6	SD-53-11282007		10:30													
7	SD-47-11282007		11:00													
8	SD-50-11282007		12:50													
9	SD-50C-11282007		12:50													
10	SD-55-11282007		13:20													
11	SD-51-11282007		13:40													
12	SD-62-11282007		14:10													

Special Instructions:

Turn-around Time: ☐ Normal ☐ Rush: _____

1. Relinquished by (Signature/Affiliation): Jennifer Schwartz (Geosyntec)	Date 11-29-7 Time 1210	1. Received by (Signature/Affiliation): CEL	Date 11-29-7 Time 1210
2. Relinquished by (Signature/Affiliation):	Date 11-29-7 Time 1710	2. Received by (Signature/Affiliation):	Date 11-29-7 Time 1710
3. Relinquished by (Signature/Affiliation):	Date Time	3. Received by (Signature/Affiliation):	Date Time

Geosyntec consultants
10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Document Number: 2231

Analysis Request and Chain of Custody Record

(2129)

Page 2 of 2

Project Name: BURN DEBRIS SAMPLE	Project Number: SC0459
Samplers Names: Jennifer Schwartz	Project Contact: VERYL WITTIG
Laboratory Name: CALSCIENCE	Lab Contact: STEVE NOWAK
Lab Address: 7440 LINCOLN WAY, GARDEN GROVE, CA	Lab Phone: (714) 895-5494
	Carrier/Waybill No.: PICK UP

White copy: to accompany samples

Yellow copy: field copy

Required Analyses

Sample Name	Date	Time	Sample Type	VOCs by ___	Metals 6010B	SVOCs by 8270	8310 (PAHs)							Comments	Lab Use Only: Condition of Bottles
				Bottle Type and Volume/Preservative	8oz Glass		8oz Glass								
				Number of Containers											
13 SD-58-11282007	11/28/07	1435	Soil		X		X								
14 SD-56-11282007	11/28/07	1510	Soil		X		X								

Special Instructions:

Turn-around Time: ☐ Normal ☐ Rush: _____

1. Relinquished by (Signature/Affiliation): Jennifer Schwartz (Geosyntec)	Date 11/28/07 11-29-7 Time 1550 1210	1. Received by (Signature/Affiliation): CEL	Date 11-29-7 Time 1210
2. Relinquished by (Signature/Affiliation):	Date 11-29-7 Time 1710	2. Received by (Signature/Affiliation):	Date 11-29-7 Time 1710
3. Relinquished by (Signature/Affiliation):	Date Time	3. Received by (Signature/Affiliation):	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 1 1 - 2 1 2 9

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Geosyntec DATE: 11-29-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.6 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): ✓ Cooler: _____ No (Not Intact) : _____ Not Present: [illegible]

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 13, 2007

Veryl Wittig
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-11-2130**
Client Reference: Burn Debris Sampling / SC0459

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/29/2007 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2130
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-63-11292007	**07-11-2130-1-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:45:43 PM with batch 071130L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	80.3	0.750	0.191	1		Mercury	0.0276	0.0835	0.00130	1	J,B
Arsenic	6.69	0.750	0.130	1		Molybdenum	1.14	0.250	0.0206	1	
Barium	195	0.500	0.164	1		Nickel	49.5	0.250	0.0346	1	
Beryllium	0.0656	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	1.93	0.500	0.00988	1		Silver	6.51	0.250	0.0209	1	
Chromium	10.4	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	16.7	0.250	0.00859	1		Vanadium	9.76	0.250	0.00934	1	
Copper	2390	5.00	0.469	10	B	Zinc	5740	10.0	1.77	10	B
Lead	2790	5.00	0.527	10	B						

SD-67-11292007	**07-11-2130-2-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:47:57 PM with batch 071130L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	5.51	0.750	0.191	1		Mercury	0.0369	0.0835	0.00130	1	J,B
Arsenic	4.50	0.750	0.130	1		Molybdenum	2.07	0.250	0.0206	1	
Barium	218	0.500	0.164	1		Nickel	17.9	0.250	0.0346	1	
Beryllium	0.143	0.250	0.00368	1	J	Selenium	0.184	0.750	0.175	1	J
Cadmium	6.32	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	27.1	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	108	0.250	0.00859	1		Vanadium	12.0	0.250	0.00934	1	
Copper	937	0.500	0.0469	1	B	Zinc	2430	10.0	1.77	10	B
Lead	432	0.500	0.0527	1	B						

SD-72-11292007	**07-11-2130-3-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:50:12 PM with batch 071130L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	8.80	0.750	0.191	1		Mercury	0.0147	0.0835	0.00130	1	J,B
Arsenic	7.36	0.750	0.130	1		Molybdenum	14.1	0.250	0.0206	1	
Barium	83.2	0.500	0.164	1		Nickel	18.3	0.250	0.0346	1	
Beryllium	0.142	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.380	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	8.17	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	10.9	0.250	0.00859	1		Vanadium	34.9	0.250	0.00934	1	
Copper	340	0.500	0.0469	1	B	Zinc	421	1.00	0.177	1	B
Lead	47.4	0.500	0.0527	1	B						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2130
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-72-C-11292007	**07-11-2130-4-A**	**11/29/07**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 11/30/2007 5:52:26 PM with batch 071130L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	2.65	0.750	0.191	1		Mercury	0.0156	0.0835	0.00130	1	J,B
Arsenic	7.82	0.750	0.130	1		Molybdenum	16.3	0.250	0.0206	1	
Barium	73.6	0.500	0.164	1		Nickel	24.7	0.250	0.0346	1	
Beryllium	0.153	0.250	0.00368	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.0210	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	7.21	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	13.2	0.250	0.00859	1		Vanadium	35.1	0.250	0.00934	1	
Copper	2320	5.00	0.469	10	B	Zinc	776	1.00	0.177	1	B
Lead	23.8	0.500	0.0527	1	B						

Method Blank	**099-04-007-5,155**	**N/A**	**Solid**	**Mercury**	**11/30/07**	**11/30/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	0.00743	0.0835	0.00130	1	J

Method Blank	**097-01-002-10,149**	**N/A**	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Lead	0.179	0.500	0.0527	1	J
Arsenic	ND	0.750	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	ND	0.500	0.164	1		Nickel	ND	0.250	0.0346	1	
Beryllium	ND	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	ND	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	ND	0.250	0.00859	1		Vanadium	ND	0.250	0.00934	1	
Copper	0.0496	0.500	0.0469	1	J	Zinc	0.210	1.00	0.177	1	J

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2130
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg

Project: Burn Debris Sampling / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-63-11292007	**07-11-2130-1-A**	**11/29/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	180	15	3.9	1		Benzo (a) Anthracene	32	10	3.2	1	
Acenaphthylene	140	30	6.8	1		Chrysene	28	10	3.2	1	
Acenaphthene	160	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	18	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	130	10	3.3	1		Benzo (a) Pyrene	11	10	3.1	1	
Anthracene	20	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	680	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	140	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	8.2	10	3.5	1	J

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	49	40-160	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-67-11292007	**07-11-2130-2-A**	**11/29/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	3000	150	39	10		Benzo (a) Anthracene	530	100	32	10	
Acenaphthylene	3800	300	68	10		Chrysene	88	100	32	10	J
Acenaphthene	560	150	50	10		Benzo (b) Fluoranthene	ND	100	32	10	
Fluorene	520	100	32	10		Benzo (k) Fluoranthene	ND	100	32	10	
Phenanthrene	2600	100	33	10		Benzo (a) Pyrene	ND	100	31	10	
Anthracene	280	100	35	10		Dibenz (a,h) Anthracene	ND	100	37	10	
Fluoranthene	2400	100	34	10		Benzo (g,h,i) Perylene	ND	100	40	10	
Pyrene	4800	100	29	10		Indeno (1,2,3-c,d) Pyrene	ND	100	35	10	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	75	40-160	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-72-11292007	**07-11-2130-3-A**	**11/29/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	140	15	3.9	1		Benzo (a) Anthracene	7.0	10	3.2	1	J
Acenaphthylene	68	30	6.8	1		Chrysene	3.8	10	3.2	1	J
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	6.8	10	3.2	1	J	Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	43	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	280	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	28	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	41	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	11/29/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2130
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Sampling / SC0459			Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SD-72-C-11292007	**07-11-2130-4-A**	**11/29/07**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	190	15	3.9	1		Benzo (a) Anthracene	9.0	10	3.2	1	J
Acenaphthylene	72	30	6.8	1		Chrysene	17	10	3.2	1	
Acenaphthene	9.7	15	5.0	1	J	Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	5.6	10	3.2	1	J	Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	38	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	4.0	10	3.5	1	J	Dibenz (a,h) Anthracene	12	10	3.7	1	
Fluoranthene	440	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	24	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	4.0	10	3.5	1	J

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	47	40-160	

Method Blank	**099-07-002-976**	**N/A**	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	ND	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	84	40-160	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2130
Preparation:	EPA 3050B
Method:	EPA 6010B

Project Burn Debris Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-2096-8	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	48	67	50-115	11	0-20	3
Arsenic	89	151	75-125	19	0-20	3
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	96	96	75-125	0	0-20	
Cadmium	91	90	75-125	1	0-20	
Chromium	54	142	75-125	33	0-20	3,4
Cobalt	77	84	75-125	6	0-20	
Copper	4X	4X	75-125	4X	0-20	Q
Lead	4X	4X	75-125	4X	0-20	Q
Molybdenum	88	90	75-125	2	0-20	
Nickel	81	104	75-125	16	0-20	
Selenium	95	94	75-125	1	0-20	
Silver	96	123	75-125	22	0-20	4
Thallium	11	22	75-125	68	0-20	3,4
Vanadium	95	99	75-125	3	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 11/29/07
Work Order No: 07-11-2130
Preparation: EPA 7471A Total
Method: EPA 7471A

Project Burn Debris Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-2140-21	**Solid**	**Mercury**	**11/30/07**	**11/30/07**	**071130S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	112	112	84-138	0	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	11/29/07
Work Order No:	07-11-2130
Preparation:	EPA 3545
Method:	EPA 8310

Project Burn Debris Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-2129-4	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	486	275	40-160	34	0-20	3,4
Acenaphthylene	385	296	40-160	16	0-20	3
Acenaphthene	68	67	40-160	1	0-20	
Fluorene	64	45	40-160	27	0-20	4
Phenanthrene	131	238	40-160	36	0-20	4,3
Anthracene	73	58	40-160	22	0-20	4
Fluoranthene	562	482	40-160	10	0-20	3
Pyrene	1208	1061	40-160	13	0-20	3
Benzo (a) Anthracene	223	205	40-160	5	0-20	3
Chrysene	73	66	40-160	7	0-20	
Benzo (b) Fluoranthene	1918	4347	40-160	78	0-20	3,4
Benzo (k) Fluoranthene	18	14	40-160	20	0-20	3
Benzo (a) Pyrene	29	28	40-160	2	0-20	3
Dibenz (a,h) Anthracene	6	1	40-160	121	0-20	3,4
Benzo (g,h,i) Perylene	21	21	40-160	2	0-20	3
Indeno (1,2,3-c,d) Pyrene	17	17	40-160	3	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2130
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Burn Debris Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-10,149	**Solid**	**ICP 5300**	**11/30/07**	**12/04/07**	**071130L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	98	103	80-120	6	0-20	
Arsenic	95	103	80-120	8	0-20	
Barium	100	110	80-120	10	0-20	
Beryllium	93	103	80-120	10	0-20	
Cadmium	99	108	80-120	9	0-20	
Chromium	100	109	80-120	9	0-20	
Cobalt	100	109	80-120	9	0-20	
Copper	94	101	80-120	7	0-20	
Lead	99	107	80-120	8	0-20	
Molybdenum	99	108	80-120	8	0-20	
Nickel	104	112	80-120	7	0-20	
Selenium	92	101	80-120	9	0-20	
Silver	95	110	80-120	14	0-20	
Thallium	96	104	80-120	8	0-20	
Vanadium	96	105	80-120	9	0-20	
Zinc	102	114	80-120	12	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-11-2130
San Diego, CA 92127-2116		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Burn Debris Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-04-007-5,155	**Solid**	**Mercury**	**11/30/07**	**071130-I-04_6.icp**	**071130L04**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Mercury	0.835	0.785	94	87-117	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	N/A
Work Order No:	07-11-2130
Preparation:	EPA 3545
Method:	EPA 8310

Project: Burn Debris Sampling / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-002-976	**Solid**	**HPLC 5**	**11/30/07**	**12/04/07**	**071130L05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	85	84	40-160	2	0-20	
Acenaphthylene	80	80	40-160	0	0-20	
Acenaphthene	83	83	40-160	0	0-20	
Fluorene	83	83	40-160	0	0-20	
Phenanthrene	81	79	40-160	2	0-20	
Anthracene	87	84	40-160	3	0-20	
Fluoranthene	90	86	40-160	5	0-20	
Pyrene	96	92	40-160	5	0-20	
Benzo (a) Anthracene	102	102	40-160	0	0-20	
Chrysene	108	107	40-160	0	0-20	
Benzo (b) Fluoranthene	51	51	40-160	0	0-20	
Benzo (k) Fluoranthene	102	102	40-160	0	0-20	
Benzo (a) Pyrene	100	100	40-160	0	0-20	
Dibenz (a,h) Anthracene	103	103	40-160	0	0-20	
Benzo (g,h,i) Perylene	104	103	40-160	1	0-20	
Indeno (1,2,3-c,d) Pyrene	95	95	40-160	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-2130

Qualifier	Definition
*	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.
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.

Document Number: 2232

Analysis Request and Chain of Custody Record

2130

Page 1 of 1

Project Name: BURN DEBRIS SAMPLING	Project Number: SC0459
Samplers Names: ANN MATHEW	Project Contact: VERYL WITTIG
Laboratory Name: CALSCIENCE	Lab Contact: STEVE NOWAK
Lab Address: 7440 Lincoln Way Garden Grove, CA-92841	Lab Phone: 714-895-5494
	Carrier/Waybill No.: Pick Up

White copy: to accompany samples

Yellow copy: field copy

Required Analyses

Bottle Type and Volume/Preservative

Number of Containers

	Sample Name	Date	Time	Sample Type	VOCs by ___	Metals 6010B	SVOCs by 8270	PAHs 8310							Comments	Lab Use Only: Condition of Bottles
						8 oz / 9 oz		8 oz / 9 oz								
1	SD-63-11292007	11/29/07	0800	Soil		X		X								
2	SD-67-11292007	↓	0845	↓		↓		↓								
3	SD-72-11292007	↓	0945	↓		↓		↓								
4	SD-72-C-11292007	↓	0945	↓		↓		↓								

Special Instructions:

Turn-around Time: ☐ Normal ☐ Rush: _____

1. Relinquished by (Signiture/Affiliation) ANN MATHEW, GEOSYNTEC	Date 11-29-7 Time 1210	1. Received by (Signiture/Affiliation) CEL	Date 11-29-7 Time 1210
2. Relinquished by (Signiture/Affiliation)	Date 11-29-7 Time 1710	2. Received by (Signiture/Affiliation)	Date 11-29-7 Time 1710
3. Relinquished by (Signiture/Affiliation)	Date Time	3. Received by (Signiture/Affiliation)	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11 - 2130

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Geosynthec **DATE:** 11-29-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ✓ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

3.6 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): ✓ Cooler: ____ No (Not Intact) : ____ Not Present: [signature]

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 13, 2007

Additional requested analyses have been added to the original report.

Veryl Wittig
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-12-0014**
Client Reference: Burn Debris Assessment / SC0459

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/1/2007 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 12/01/07
Work Order No: 07-12-0014
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-45-112907	**07-12-0014-1-A**	**11/29/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:10:48 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	13.6	0.750	0.191	1		Mercury	0.00187	0.0835	0.00130	1	J
Arsenic	18.2	0.750	0.130	1		Molybdenum	29.3	0.250	0.0206	1	
Barium	130	0.500	0.164	1		Nickel	18.9	0.250	0.0346	1	
Beryllium	0.935	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.227	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	10.9	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	9.41	0.250	0.00859	1		Vanadium	16.3	0.250	0.00934	1	
Copper	435	0.500	0.0469	1		Zinc	969	1.00	0.177	1	B
Lead	13.6	0.500	0.0527	1							

SB-48-112907	**07-12-0014-2-A**	**11/29/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:13:02 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	17.9	0.750	0.191	1		Mercury	0.00929	0.0835	0.00130	1	J
Arsenic	6.98	0.750	0.130	1		Molybdenum	4.81	0.250	0.0206	1	
Barium	1010	0.500	0.164	1		Nickel	23.2	0.250	0.0346	1	
Beryllium	1.17	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	0.163	0.250	0.0209	1	J
Chromium	19.8	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	6.68	0.250	0.00859	1		Vanadium	44.1	0.250	0.00934	1	
Copper	2630	10.0	0.938	20		Zinc	1840	20.0	3.54	20	B
Lead	1450	10.0	1.05	20							

SB-46-112907	**07-12-0014-3-A**	**11/29/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:15:13 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	2.60	0.750	0.191	1		Mercury	0.204	0.0835	0.00130	1	
Arsenic	13.4	0.750	0.130	1		Molybdenum	1.09	0.250	0.0206	1	
Barium	328	0.500	0.164	1		Nickel	6.87	0.250	0.0346	1	
Beryllium	1.02	0.250	0.00368	1		Selenium	5.10	0.750	0.175	1	
Cadmium	0.470	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	8.02	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	10.8	0.250	0.00859	1		Vanadium	16.4	0.250	0.00934	1	
Copper	267	0.500	0.0469	1		Zinc	1120	1.00	0.177	1	B
Lead	102	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	12/01/07
Work Order No:	07-12-0014
Preparation:	EPA 3050B / EPA 7471A Total
Method:	EPA 6010B / EPA 7471A
Units:	mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-05-112907	**07-12-0014-4-A**	**11/29/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:03:57 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	11.3	0.750	0.191	1		Mercury	0.0256	0.0835	0.00130	1	J
Arsenic	17.2	0.750	0.130	1		Molybdenum	1.25	0.250	0.0206	1	
Barium	303	0.500	0.164	1		Nickel	35.1	0.250	0.0346	1	
Beryllium	1.49	0.250	0.00368	1		Selenium	0.555	0.750	0.175	1	J
Cadmium	0.0781	0.500	0.00988	1	J	Silver	2.86	0.250	0.0209	1	
Chromium	84.6	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	10.5	0.250	0.00859	1		Vanadium	39.5	0.250	0.00934	1	
Copper	6990	10.0	0.938	20		Zinc	5680	20.0	3.54	20	B
Lead	239	0.500	0.0527	1							

SB-47-112907	**07-12-0014-5-A**	**11/29/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:17:25 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	29.9	0.750	0.191	1		Mercury	0.00212	0.0835	0.00130	1	J
Arsenic	12.1	0.750	0.130	1		Molybdenum	4.49	0.250	0.0206	1	
Barium	360	0.500	0.164	1		Nickel	11.7	0.250	0.0346	1	
Beryllium	1.03	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	7.76	0.500	0.00988	1		Silver	3.12	0.250	0.0209	1	
Chromium	22.4	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.39	0.250	0.00859	1		Vanadium	18.2	0.250	0.00934	1	
Copper	7530	10.0	0.938	20		Zinc	6160	20.0	3.54	20	B
Lead	531	0.500	0.0527	1							

SB-51-113007	**07-12-0014-6-A**	**11/30/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:24:06 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	52.4	0.750	0.191	1		Mercury	0.00316	0.0835	0.00130	1	J
Arsenic	4.49	0.750	0.130	1		Molybdenum	0.978	0.250	0.0206	1	
Barium	270	0.500	0.164	1		Nickel	43.9	0.250	0.0346	1	
Beryllium	0.992	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.339	0.500	0.00988	1	J	Silver	3.62	0.250	0.0209	1	
Chromium	24.0	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	17.6	0.250	0.00859	1		Vanadium	28.2	0.250	0.00934	1	
Copper	1640	10.0	0.938	20		Zinc	1440	20.0	3.54	20	B
Lead	171	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 12/01/07
Work Order No: 07-12-0014
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-44-113007	**07-12-0014-7-A**	**11/30/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:26:18 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	2.75	0.750	0.191	1		Mercury	0.0411	0.0835	0.00130	1	J
Arsenic	3.73	0.750	0.130	1		Molybdenum	1.84	0.250	0.0206	1	
Barium	31.9	0.500	0.164	1		Nickel	9.08	0.250	0.0346	1	
Beryllium	0.929	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.0410	0.500	0.00988	1	J	Silver	ND	0.250	0.0209	1	
Chromium	2.43	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	1.74	0.250	0.00859	1		Vanadium	19.2	0.250	0.00934	1	
Copper	129	0.500	0.0469	1		Zinc	32700	20.0	3.54	20	B
Lead	28.4	0.500	0.0527	1							

SB-44C-113007	**07-12-0014-8-A**	**11/30/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:28:31 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	17.5	0.750	0.191	1		Mercury	0.0411	0.0835	0.00130	1	J
Arsenic	2.80	0.750	0.130	1		Molybdenum	1.86	0.250	0.0206	1	
Barium	24.7	0.500	0.164	1		Nickel	20.0	0.250	0.0346	1	
Beryllium	0.885	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	1.22	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	0.796	0.250	0.00859	1		Vanadium	14.6	0.250	0.00934	1	
Copper	177	0.500	0.0469	1		Zinc	298	20.0	3.54	20	B
Lead	477	0.500	0.0527	1							

SB-38-113007	**07-12-0014-9-A**	**11/30/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:30:44 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	106	0.750	0.191	1		Mercury	0.00281	0.0835	0.00130	1	J
Arsenic	8.89	0.750	0.130	1		Molybdenum	1.35	0.250	0.0206	1	
Barium	831	0.500	0.164	1		Nickel	27.7	0.250	0.0346	1	
Beryllium	1.18	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	2.15	0.500	0.00988	1		Silver	5.28	0.250	0.0209	1	
Chromium	29.6	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	30.8	0.250	0.00859	1		Vanadium	25.7	0.250	0.00934	1	
Copper	750	0.500	0.0469	1		Zinc	26100	20.0	3.54	20	B
Lead	1370	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 12/01/07
Work Order No: 07-12-0014
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-50-113007	**07-12-0014-10-A**	**11/30/07**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 12/3/2007 8:32:58 PM with batch 071203L10

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	20.4	0.750	0.191	1		Mercury	0.00214	0.0835	0.00130	1	J
Arsenic	4.76	0.750	0.130	1		Molybdenum	0.806	0.250	0.0206	1	
Barium	118	0.500	0.164	1		Nickel	7.42	0.250	0.0346	1	
Beryllium	0.893	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.0152	0.500	0.00988	1	J	Silver	0.953	0.250	0.0209	1	
Chromium	7.31	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	2.83	0.250	0.00859	1		Vanadium	10.1	0.250	0.00934	1	
Copper	324	0.500	0.0469	1		Zinc	492	20.0	3.54	20	B
Lead	97.8	0.500	0.0527	1							

Method Blank	**099-04-007-5,159**	**N/A**	**Solid**	**Mercury**	**12/03/07**	**12/03/07**	**071203L10**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.00130	1	

Method Blank	**097-01-002-10,157**	**N/A**	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203L13**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Lead	ND	0.500	0.0527	1	
Arsenic	ND	0.750	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	ND	0.500	0.164	1		Nickel	ND	0.250	0.0346	1	
Beryllium	ND	0.250	0.00368	1		Selenium	ND	0.750	0.175	1	
Cadmium	ND	0.500	0.00988	1		Silver	ND	0.250	0.0209	1	
Chromium	ND	0.250	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	ND	0.250	0.00859	1		Vanadium	ND	0.250	0.00934	1	
Copper	ND	0.500	0.0469	1		Zinc	0.413	1.00	0.177	1	J

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	12/01/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-12-0014
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 1 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-45-112907	**07-12-0014-1-A**	**11/29/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	410	15	3.9	1		Benzo (a) Anthracene	6.2	10	3.2	1	J
Acenaphthylene	640	30	6.8	1		Chrysene	10	10	3.2	1	
Acenaphthene	770	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	8.0	10	3.3	1	J	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	7.0	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	3.9	10	2.9	1	J	Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	77	40-160	

SB-48-112907	**07-12-0014-2-A**	**11/29/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	530	30	7.8	2		Benzo (a) Anthracene	160	20	6.4	2	
Acenaphthylene	1300	60	14	2		Chrysene	180	20	6.4	2	
Acenaphthene	1700	30	10	2		Benzo (b) Fluoranthene	29	20	6.5	2	
Fluorene	ND	20	6.4	2		Benzo (k) Fluoranthene	560	20	6.4	2	
Phenanthrene	220	20	6.7	2		Benzo (a) Pyrene	8.2	20	6.2	2	J
Anthracene	130	20	7.0	2		Dibenz (a,h) Anthracene	12	20	7.5	2	J
Fluoranthene	1400	20	6.8	2		Benzo (g,h,i) Perylene	16	20	7.9	2	J
Pyrene	82	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	58	40-160	

SB-46-112907	**07-12-0014-3-A**	**11/29/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	19000	300	78	20		Benzo (a) Anthracene	750	200	64	20	
Acenaphthylene	3500	600	140	20		Chrysene	ND	200	64	20	
Acenaphthene	930	300	100	20		Benzo (b) Fluoranthene	ND	200	65	20	
Fluorene	ND	200	64	20		Benzo (k) Fluoranthene	ND	200	64	20	
Phenanthrene	570	200	67	20		Benzo (a) Pyrene	ND	200	62	20	
Anthracene	ND	200	70	20		Dibenz (a,h) Anthracene	ND	200	75	20	
Fluoranthene	1900	200	68	20		Benzo (g,h,i) Perylene	ND	200	79	20	
Pyrene	1200	200	58	20		Indeno (1,2,3-c,d) Pyrene	ND	200	71	20	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	85	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	12/01/07
Work Order No:	07-12-0014
Preparation:	EPA 3545
Method:	EPA 8310
Units:	ug/kg
	Page 2 of 4

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-05-112907	**07-12-0014-4-A**	**11/29/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	1200	30	7.8	2		Benzo (a) Anthracene	12	20	6.4	2	J
Acenaphthylene	320	60	14	2		Chrysene	ND	20	6.4	2	
Acenaphthene	560	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	27	20	6.4	2		Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	250	20	6.7	2		Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	34	20	7.0	2		Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	14	20	6.8	2	J	Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	34	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	84	40-160	

SB-47-112907	**07-12-0014-5-A**	**11/29/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	790	15	3.9	1		Benzo (a) Anthracene	6.8	10	3.2	1	J
Acenaphthylene	490	30	6.8	1		Chrysene	15	10	3.2	1	
Acenaphthene	170	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	5.9	10	3.3	1	J	Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	4.0	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	35	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	52	40-160	

SB-51-113007	**07-12-0014-6-A**	**11/30/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	79	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	22	30	6.8	1	J	Chrysene	11	10	3.2	1	
Acenaphthene	38	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	18	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	97	10	3.3	1		Benzo (a) Pyrene	6.0	10	3.1	1	J
Anthracene	16	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	12	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	36	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	63	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	12/01/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-12-0014
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 3 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-44-113007	**07-12-0014-7-A**	**11/30/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	1300	30	7.8	2		Benzo (a) Anthracene	9.7	20	6.4	2	J
Acenaphthylene	540	60	14	2		Chrysene	ND	20	6.4	2	
Acenaphthene	280	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	120	20	6.4	2		Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	460	20	6.7	2		Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	54	20	7.0	2		Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	11	20	6.8	2	J	Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	33	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	104	40-160	

SB-44C-113007	**07-12-0014-8-A**	**11/30/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	1200	30	7.8	2		Benzo (a) Anthracene	8.6	20	6.4	2	J
Acenaphthylene	540	60	14	2		Chrysene	ND	20	6.4	2	
Acenaphthene	250	30	10	2		Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	100	20	6.4	2		Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	380	20	6.7	2		Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	43	20	7.0	2		Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	15	20	6.8	2	J	Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	28	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	100	40-160	

SB-38-113007	**07-12-0014-9-A**	**11/30/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	110	15	3.9	1		Benzo (a) Anthracene	6.4	10	3.2	1	J
Acenaphthylene	60	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	72	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	23	10	3.2	1		Benzo (k) Fluoranthene	5.6	10	3.2	1	J
Phenanthrene	38	10	3.3	1		Benzo (a) Pyrene	3.2	10	3.1	1	J
Anthracene	8.4	10	3.5	1	J	Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	15	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	16	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	69	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	12/01/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-12-0014
San Diego, CA 92127-2116		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: Burn Debris Assessment / SC0459			Page 4 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
SB-50-113007	**07-12-0014-10-A**	**11/30/07**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	95	30	7.8	2		Benzo (a) Anthracene	ND	20	6.4	2	
Acenaphthylene	57	60	14	2	J	Chrysene	8.3	20	6.4	2	J
Acenaphthene	27	30	10	2	J	Benzo (b) Fluoranthene	ND	20	6.5	2	
Fluorene	8.5	20	6.4	2	J	Benzo (k) Fluoranthene	ND	20	6.4	2	
Phenanthrene	18	20	6.7	2	J	Benzo (a) Pyrene	ND	20	6.2	2	
Anthracene	ND	20	7.0	2		Dibenz (a,h) Anthracene	ND	20	7.5	2	
Fluoranthene	ND	20	6.8	2		Benzo (g,h,i) Perylene	ND	20	7.9	2	
Pyrene	21	20	5.8	2		Indeno (1,2,3-c,d) Pyrene	ND	20	7.1	2	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	59	40-160	

Method Blank	**099-07-002-977**	**N/A**	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	ND	15	3.9	1		Benzo (a) Anthracene	ND	10	3.2	1	
Acenaphthylene	ND	30	6.8	1		Chrysene	ND	10	3.2	1	
Acenaphthene	ND	15	5.0	1		Benzo (b) Fluoranthene	ND	10	3.2	1	
Fluorene	ND	10	3.2	1		Benzo (k) Fluoranthene	ND	10	3.2	1	
Phenanthrene	ND	10	3.3	1		Benzo (a) Pyrene	ND	10	3.1	1	
Anthracene	ND	10	3.5	1		Dibenz (a,h) Anthracene	ND	10	3.7	1	
Fluoranthene	ND	10	3.4	1		Benzo (g,h,i) Perylene	ND	10	4.0	1	
Pyrene	ND	10	2.9	1		Indeno (1,2,3-c,d) Pyrene	ND	10	3.5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	86	40-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 12/01/07
Work Order No: 07-12-0014

Project: Burn Debris Assessment / SC0459

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SB-05-112907	**07-12-0014-4**	**11/29/07**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

Method Blank	**N/A**	**Solid**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chromium, Hexavalent (24)	ND	0.80	0.22	1		mg/kg	12/12/07	12/12/07	EPA 7196A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 12/01/07
Work Order No: 07-12-0014
Preparation: EPA 3050B
Method: EPA 6010B

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-2200-3	**Solid**	**ICP 5300**	**12/03/07**	**12/04/07**	**071203S13**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	38	37	50-115	2	0-20	3
Arsenic	105	106	75-125	1	0-20	
Barium	98	113	75-125	4	0-20	
Beryllium	107	105	75-125	2	0-20	
Cadmium	107	105	75-125	2	0-20	
Chromium	107	105	75-125	1	0-20	
Cobalt	105	102	75-125	2	0-20	
Copper	108	106	75-125	2	0-20	
Lead	105	106	75-125	1	0-20	
Molybdenum	97	98	75-125	1	0-20	
Nickel	107	108	75-125	0	0-20	
Selenium	93	95	75-125	2	0-20	
Silver	100	99	75-125	2	0-20	
Thallium	99	98	75-125	1	0-20	
Vanadium	105	101	75-125	2	0-20	
Zinc	113	113	75-125	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	12/01/07
Work Order No:	07-12-0014
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-05-112907	**Solid**	**Mercury**	**12/03/07**	**12/03/07**	**071203S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	99	100	84-138	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 12/01/07
Work Order No: 07-12-0014
Preparation: EPA 3545
Method: EPA 8310

Project Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-47-112907	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203S14**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	0	0	40-160	0	0-20	3
Acenaphthylene	0	0	40-160	0	0-20	3
Acenaphthene	0	0	40-160	4	0-20	3
Fluorene	6	5	40-160	27	0-20	3,4
Phenanthrene	16	2	40-160	147	0-20	3,4
Anthracene	5	4	40-160	30	0-20	3,4
Fluoranthene	1	1	40-160	15	0-20	3
Pyrene	0	0	40-160	1	0-20	3
Benzo (a) Anthracene	6	6	40-160	2	0-20	3
Chrysene	0	0	40-160	142	0-20	3,4
Benzo (b) Fluoranthene	0	0	40-160	0	0-20	3
Benzo (k) Fluoranthene	2	2	40-160	0	0-20	3
Benzo (a) Pyrene	0	0	40-160	0	0-20	3
Dibenz (a,h) Anthracene	0	0	40-160	0	0-20	3
Benzo (g,h,i) Perylene	0	0	40-160	0	0-20	3
Indeno (1,2,3-c,d) Pyrene	0	0	40-160	200	0-20	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-12-0014

Project: Burn Debris Assessment / SC0459

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	07-11-2096-13	12/12/07	12/12/07	86	85	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-12-0014
San Diego, CA 92127-2116		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-10,157	**Solid**	**ICP 5300**	**12/05/07**	**071204-I-06**	**071203L13**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	25.0	25.5	102	80-120	
Arsenic	25.0	25.2	101	80-120	
Barium	25.0	26.8	107	80-120	
Beryllium	25.0	24.9	100	80-120	
Cadmium	25.0	26.1	104	80-120	
Chromium	25.0	26.3	105	80-120	
Cobalt	25.0	26.6	107	80-120	
Copper	25.0	24.2	97	80-120	
Lead	25.0	26.4	105	80-120	
Molybdenum	25.0	26.6	106	80-120	
Nickel	25.0	27.5	110	80-120	
Selenium	25.0	24.0	96	80-120	
Silver	12.5	12.3	99	80-120	
Thallium	25.0	25.7	103	80-120	
Vanadium	25.0	25.4	102	80-120	
Zinc	25.0	26.8	107	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-12-0014
San Diego, CA 92127-2116		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-5,159	**Solid**	**Mercury**	**12/03/07**	**12/03/07**	**071203L10**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	98	87-117	0	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	N/A
Work Order No:	07-12-0014
Preparation:	EPA 3545
Method:	EPA 8310

Project: Burn Debris Assessment / SC0459

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-002-977	**Solid**	**HPLC 5**	**12/03/07**	**12/05/07**	**071203L14**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Naphthalene	85	86	40-160	1	0-20	
Acenaphthylene	80	82	40-160	3	0-20	
Acenaphthene	82	85	40-160	3	0-20	
Fluorene	83	85	40-160	3	0-20	
Phenanthrene	80	81	40-160	1	0-20	
Anthracene	86	86	40-160	0	0-20	
Fluoranthene	90	88	40-160	2	0-20	
Pyrene	95	94	40-160	2	0-20	
Benzo (a) Anthracene	101	104	40-160	3	0-20	
Chrysene	107	110	40-160	3	0-20	
Benzo (b) Fluoranthene	51	53	40-160	3	0-20	
Benzo (k) Fluoranthene	102	105	40-160	3	0-20	
Benzo (a) Pyrene	99	103	40-160	3	0-20	
Dibenz (a,h) Anthracene	102	106	40-160	3	0-20	
Benzo (g,h,i) Perylene	103	105	40-160	2	0-20	
Indeno (1,2,3-c,d) Pyrene	94	97	40-160	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-12-0014

Project: Burn Debris Assessment / SC0459

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Chromium, Hexavalent	EPA 7196A	099-05-001-2,605	12/12/07	12/12/07	20.0	18.0	90	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-12-0014

Qualifier	Definition
*	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.
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.

Stephen Nowak

From: VWittig@Geosyntec.com
Sent: Tuesday, December 11, 2007 1:35 PM
To: Stephen Nowak
Cc: SMcCarthy@Geosyntec.com; JSchwartz@Geosyntec.com
Subject: Hexavalent Chromium Analyses
Importance: High

Hi Steve,
Here is the list of 14 samples we need to have additionally analyzed for hexavalent chromium by EPA Method 7196A:

SD-56-11282007
SD-02-11282007
SD-12-11272007
SD-20-11282007
SD-34-11262007
SD-44-11282007
SD-51-11282007
SB-05-11292007
SB-07-11292007
SB-20-11282007
SB-21-11292007
SB-24-11292007
SB-36-11292007
SB-43-11292007

We discussed a 24 hour TAT, but a 48 hour TAT will work with our schedule. Therefore, can you provide results by Thursday afternoon?

Veryl Wittig, PG 7115, CHG 723
Hydrogeologist
Geosyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127
P: 858.674.6559 x 203
F: 858.674.6586
M: 619.884.6552
vwittig@geosyntec.com
This electronic mail message contains information that (a) is or may be LEGALLY PRIVILEGED, CONFIDENTIAL, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) is intended only for the use of the Addressee(s) named herein. If you are not the intended recipient, an addressee, or the person responsible for delivering this to an addressee, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this electronic mail message in error, please contact us immediately and take the steps necessary to delete the message completely from your computer system.

Document Number: 2215 0014

Analysis Request and Chain of Custody Record

Page 1 of 1

Project Name: Burned Debris Assess.	Project Number: SC0459
Samplers Names: Ortenberg & Warnecke	Project Contact: Veryl Wittig
Laboratory Name: Calscience	Lab Contact: Steve Nowak
Lab Address: Garden Grove	Lab Phone: 714-895-5494
	Carrier/Waybill No.

White copy: to accompany samples

Yellow copy: field copy

Required Analyses

Sample Name	Date	Time	Sample Type	VOCs by ___	Metals 6010B	SVOCs by 8270	T22 (TLC)	8310 (PAH)						Comments	Lab Use Only: Condition of Bottles
Bottle Type and Volume/Preservative					8oz		8oz	8oz							
1 SB-45-112907	11.29.07	13:00	Soil		1		1	1							
2 SB-48-112907	↓	13:20			1		1	1							
3 SB-46-112907		13:40			1		1	1							
4 SB-05-112907		14:00			1		1	1							
5 SB-47-112907		14:50			1		1	1							
6 SB-51-113007	11.30.07	11:00			1		1	1							
7 SB-44-113007		11:35 EW	EW		1		1	1							
8 SB-44C-113007		11:40			1		1	1							
9 SB-38-113007		12:00			1		1	1							
10 SB-50-113007		13:00			1		1	1							
				EW			11.30.07								

Special Instructions: If arsenic concentrations by 6010B are < MDL then analyze by 7010 (soil = ash)

Turn-around Time: 5 day standard

☒ Normal ☐ Rush: _____

1. Relinquished by (Signiture/Affiliation): Elyse Warnecke	Date 11.30.07 Time	1. Received by (Signiture/Affiliation): Fed Ex	Date 11.30.07 Time 16:00
2. Relinquished by (Signiture/Affiliation): FedEx	Date Time	2. Received by (Signiture/Affiliation): [illegible]	Date 12/1/07 Time 930
3. Relinquished by (Signiture/Affiliation)	Date Time	3. Received by (Signiture/Affiliation)	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 0 7 - 1 2 - 0 0 1 4

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Geosyntec DATE: 12/1/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
3.8 °C IR thermometer.
_____ Ambient temperature.

Initial: HT

CUSTODY SEAL INTACT:

Sample(s): ✓ Cooler: _____ No (Not Intact) : _____ Not Present: _____

Initial: HT

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: HT

COMMENTS: