Alpha Analytical Laboratories Inc.
e-mail: clientservices@alpha-labs.com
Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Satellite Laboratory: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

ELAP Certificate Numbers 1551 and 2728

25 October 2013

Lehigh Southwest Cement Company
Attn: Chow Yip
PO Box 660140 / Attention SSC AP - CEMENT
Dallas, TX 75266-0140
RE: Chronic Toxicity Samples
Work Order: 13J0661

Enclosed are the results of analyses for samples received by the laboratory on 10/08/13 21:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Poplin

Jeanette L. Poplin For Robbie C. Phillips
Project Manager

Alpha Analytical Laboratories Inc.
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Dallas TX, 75266-0140	Project Manager:	Chow Yip	
Lehigh Southwest Cement Company	Project:	Chronic Toxicity Samples	Reported:
PO Box 660140 / Attention SSC AP - CEMENT	Project Number:	Pacific Ecorisk	10/25/13 15:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pond 13 - Sediment	13J0661-01	Other (W)	09/04/13 00:00	10/08/13 21:40
Pond 22 - Sediment	13J0661-02	Other (W)	09/04/13 00:00	10/08/13 21:40
Pond 14 - Sediment	13J0661-03	Other (W)	09/04/13 00:00	10/08/13 21:40
Pond 13 - Water	13J0661-04	Water	09/04/13 00:00	10/08/13 21:40
Pond 22 - Water	13J0661-05	Water	09/04/13 00:00	10/08/13 21:40
Pond 14 - Water	13J0661-06	Water	09/04/13 00:00	10/08/13 21:40

Case Narrative

Samples were homogenized, then portions removed for %solids, %moisture, particle size distribution, and TOC analysis. The remaining sample from each site was allowed to settle. The supernatants were analyzed for pH and ammonia.

Alpha Analytical Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Bruce L. Gove 10/25/2013
Laboratory Director

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Dallas TX, 75266-0140	Project Manager:	Chow Yip	
Lehigh Southwest Cement Company	Project:	Chronic Toxicity Samples	Reported:
PO Box 660140 / Attention SSC AP - CEMENT	Project Number:	Pacific Ecorisk	10/25/13 15:45

Conventional Chemistry Parameters by APHA/EPA Methods
Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pond 13 - Sediment (13J0661-01) Other (W) Sampled: 09/04/13 00:00 Received: 10/08/13 21:40										
% Solids	**52.5**	0.100	0.100	%	1	AJ31028	10/10/13 08:43	10/14/13 11:11	EPA 160.3	T-5
% Moisture	**47.5**	0.100	0.100	"	"	AJ31027	"	10/14/13 11:09	"	T-5
Pond 22 - Sediment (13J0661-02) Other (W) Sampled: 09/04/13 00:00 Received: 10/08/13 21:40										
% Solids	**49.1**	0.100	0.100	%	1	AJ31028	10/10/13 08:43	10/14/13 11:11	EPA 160.3	T-5
% Moisture	**50.9**	0.100	0.100	"	"	AJ31027	"	10/14/13 11:09	"	T-5
Pond 14 - Sediment (13J0661-03) Other (W) Sampled: 09/04/13 00:00 Received: 10/08/13 21:40										
% Solids	**46.6**	0.100	0.100	%	1	AJ31028	10/10/13 08:43	10/14/13 11:11	EPA 160.3	T-5
% Moisture	**53.4**	0.100	0.100	"	"	AJ31027	"	10/14/13 11:09	"	T-5
Pond 13 - Water (13J0661-04) Water Sampled: 09/04/13 00:00 Received: 10/08/13 21:40										
pH	**7.75**	1.68	1.68	pH Units	1	AJ31135	10/11/13 13:00	10/11/13 17:00	SM4500-H+ B	T-14
Ammonia as NH3	**9.5**	0.063	0.50	mg/l	"	AJ32337	10/25/13 09:43	10/25/13 14:05	SM4500NH3C	T-2
Pond 22 - Water (13J0661-05) Water Sampled: 09/04/13 00:00 Received: 10/08/13 21:40										
pH	**7.73**	1.68	1.68	pH Units	1	AJ31135	10/11/13 13:00	10/11/13 17:00	SM4500-H+ B	T-14
Ammonia as NH3	**8.5**	0.063	0.50	mg/l	"	AJ32337	10/25/13 09:43	10/25/13 14:05	SM4500NH3C	T-2
Pond 14 - Water (13J0661-06) Water Sampled: 09/04/13 00:00 Received: 10/08/13 21:40										
pH	**7.55**	1.68	1.68	pH Units	1	AJ31135	10/11/13 13:00	10/11/13 17:00	SM4500-H+ B	T-14
Ammonia as NH3	**10**	0.063	0.50	mg/l	"	AJ32337	10/25/13 09:43	10/25/13 14:05	SM4500NH3C	T-2

Alpha Analytical Laboratories, Inc.

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Bruce L. Gove 10/25/2013
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Dallas TX, 75266-0140	Project Manager:	Chow Yip	
Lehigh Southwest Cement Company	Project:	Chronic Toxicity Samples	Reported:
PO Box 660140 / Attention SSC AP - CEMENT	Project Number:	Pacific Ecorisk	10/25/13 15:45

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AJ31027 - General Preparation											
Duplicate (AJ31027-DUP1)		**Source: 13J0661-01**			Prepared: 10/10/13 Analyzed: 10/14/13						
% Moisture	48.1	0.100	0.100	%		47.5			1.26	20	T-5
Batch AJ31028 - General Preparation											
Blank (AJ31028-BLK1)					Prepared: 10/10/13 Analyzed: 10/14/13						
% Solids	ND	0.100	0.100	%							T-5, U
Duplicate (AJ31028-DUP1)		**Source: 13J0661-01**			Prepared: 10/10/13 Analyzed: 10/14/13						
% Solids	51.9	0.100	0.100	%		52.5			1.15	20	T-5
Batch AJ31135 - General Preparation											
Duplicate (AJ31135-DUP1)		**Source: 13J0879-02**			Prepared & Analyzed: 10/11/13						
pH	7.14	1.68	1.68	pH Units		7.11			0.421	20	T-14
Batch AJ32337 - General Preparation											
Blank (AJ32337-BLK1)					Prepared: 10/24/13 Analyzed: 10/25/13						
Ammonia as NH3	ND	0.063	0.50	mg/l							U
LCS (AJ32337-BS1)					Prepared: 10/24/13 Analyzed: 10/25/13						
Ammonia as NH3	6.17	0.063	0.50	mg/l	6.10		101	90-110			
LCS Dup (AJ32337-BSD1)					Prepared: 10/24/13 Analyzed: 10/25/13						
Ammonia as NH3	6.28	0.063	0.50	mg/l	6.10		103	90-110	1.72	10	

Alpha Analytical Laboratories, Inc.

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Bruce L. Gove 10/25/2013
Laboratory Director

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Dallas TX, 75266-0140	Project Manager:	Chow Yip	
Lehigh Southwest Cement Company	Project:	Chronic Toxicity Samples	Reported:
PO Box 660140 / Attention SSC AP - CEMENT	Project Number:	Pacific Ecorisk	10/25/13 15:45

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AJ32337 - General Preparation											
Matrix Spike (AJ32337-MS1)		**Source: 13J0710-01**			Prepared: 10/24/13 Analyzed: 10/25/13						
Ammonia as NH3	6.28	0.063	0.50	mg/l	6.10	0.0850	102	70-130			

Alpha Analytical Laboratories, Inc.

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Dallas TX, 75266-0140	Project Manager:	Chow Yip	
Lehigh Southwest Cement Company	Project:	Chronic Toxicity Samples	Reported:
PO Box 660140 / Attention SSC AP - CEMENT	Project Number:	Pacific Ecorisk	10/25/13 15:45

Notes and Definitions

T-14	Residual chlorine, dissolved oxygen, and pH must be analyzed in the field to meet the EPA specified 15 minute hold time. Sample was received and analyzed outside of this "window."
T-2	Sample analyzed outside of recommended holding time per client.
T-5	Sample prepared outside of recommended holding time per client.
U	Analyte included in analysis, but not detected at or above MDL.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Alpha Analytical Laboratories, Inc.

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Bruce L. Gove 10/25/2013
Laboratory Director

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-10-1036

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alpha Analytical Laboratories, Inc.

Client Project Name: 13J0661

Attention: Robbie C. Phillips
208 Mason St.
Ukiah, CA 95482-4407

Approved for release on 10/24/2013 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 13-10-1036

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-10-1036

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 10/14/13. They were assigned to Work Order 13-10-1036.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Return to Contents

Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Alpha Analytical Laboratories, Inc. 208 Mason St. Ukiah, CA 95482-4407	Work Order:	13-10-1036
		Project Name:	13J0661
		PO Number:	
		Date/Time Received:	10/14/13 10:30
		Number of Containers:	3
Attn:	Robbie C. Phillips		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
13J0661-01	13-10-1036-1	09/04/13 00:00	1	Sediment
13J0661-02	13-10-1036-2	09/04/13 00:00	1	Sediment
13J0661-03	13-10-1036-3	09/04/13 00:00	1	Sediment

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Alpha Analytical Laboratories, Inc.
208 Mason St.
Ukiah, CA 95482-4407
Project: 13J0661

Date Received: 10/14/13
Work Order: 13-10-1036

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix
13J0661-01	**13-10-1036-1**	**09/04/13 00:00**	**Sediment**

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

Parameter	Results	RL	MDL	DF	Qualifiers	Units	Date Prepared	Date Analyzed	Method
Moisture (24)	43.9	0.100	0.100	1	BV,BU	%	10/15/13	10/15/13	ASTM D-2216 (M)
Carbon, Total Organic (24)	13000	500	120	1	BV	mg/kg	10/23/13	10/23/13	EPA 9060A

13J0661-02	**13-10-1036-2**	**09/04/13 00:00**	**Sediment**

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

Parameter	Results	RL	MDL	DF	Qualifiers	Units	Date Prepared	Date Analyzed	Method
Moisture (24)	38.8	0.100	0.100	1	BV,BU	%	10/15/13	10/15/13	ASTM D-2216 (M)
Carbon, Total Organic (24)	16000	500	120	1	BV	mg/kg	10/23/13	10/23/13	EPA 9060A

13J0661-03	**13-10-1036-3**	**09/04/13 00:00**	**Sediment**

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

Parameter	Results	RL	MDL	DF	Qualifiers	Units	Date Prepared	Date Analyzed	Method
Moisture (24)	50.3	0.100	0.100	1	BV,BU	%	10/15/13	10/15/13	ASTM D-2216 (M)
Carbon, Total Organic (24)	14000	500	120	1	BV	mg/kg	10/23/13	10/23/13	EPA 9060A

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

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

Parameter	Results	RL	MDL	DF	Qualifiers	Units	Date Prepared	Date Analyzed	Method
Moisture (24)	ND	0.100	0.100	1		%	10/15/13	10/15/13	ASTM D-2216 (M)
Carbon, Total Organic (24)	ND	500	120	1		mg/kg	10/23/13	10/23/13	EPA 9060A

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

Alpha Analytical (Ukiah)		Date Sampled:	9/4/2013
		Date Received:	10/14/2013
		Work Order No:	13-10-1036
		Date Analyzed:	10/15/2013
		Method:	ASTM D4464M
Project:	13J0661		Page 1 of 3

Sample ID	Depth ft	Description	Mean Grain Size mm
13J0661-01		Very Fine Sand	0.099

Particle Size Distribution, wt by percent								
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	Total Silt & Clay
0.00	0.00	2.17	8.44	17.21	17.61	41.82	12.74	54.56

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Calscience Environmental Laboratories, Inc.

PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

Alpha Analytical (Ukiah)		Date Sampled:	9/4/2013
		Date Received:	10/14/2013
		Work Order No:	13-10-1036
		Date Analyzed:	10/15/2013
		Method:	ASTM D4464M
Project:	13J0661		Page 2 of 3

Sample ID	Depth ft	Description	Mean Grain Size mm
13J0661-02		Fine Sand	0.189

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.27	13.21	13.91	13.31	12.51	39.33	7.45	46.79

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Calscience Environmental Laboratories, Inc.

PARTICLE SIZE SUMMARY

(ASTM D422 / D4464M)

Alpha Analytical (Ukiah)		Date Sampled:	9/4/2013
		Date Received:	10/14/2013
		Work Order No:	13-10-1036
		Date Analyzed:	10/15/2013
		Method:	ASTM D4464M
Project:	13J0661		Page 3 of 3

Sample ID	Depth ft	Description	Mean Grain Size mm
13J0661-03		Silt	0.035

Particle Size Distribution, wt by percent								Total Silt & Clay
Total Gravel	Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay	
0.00	0.00	0.00	0.19	7.15	10.80	58.09	23.78	81.86

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alpha Analytical Laboratories, Inc.		Date Received:	10/14/13
208 Mason St.		Work Order:	13-10-1036
Ukiah, CA 95482-4407		Preparation:	N/A
		Method:	EPA 9060A
Project: 13J0661			Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13J0661-01	**Sediment**	**TOC 5**	**10/23/13**	**10/23/13 19:33**	**D1023TOCS1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	13400	30000	25400	40	31200	59	75-125	20	0-25	3

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - Sample Duplicate

Alpha Analytical Laboratories, Inc.		Date Received:	10/14/13
208 Mason St.		Work Order:	13-10-1036
Ukiah, CA 95482-4407		Preparation:	N/A
		Method:	ASTM D-2216 (M)
Project: 13J0661			Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
13J0661-01	**Sediment**	**N/A**	**10/15/13 00:00**	**10/15/13 21:30**	**D1015MOID4**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Moisture	43.90	44.20	1	0-10	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alpha Analytical Laboratories, Inc.		Date Received:	10/14/13
208 Mason St.		Work Order:	13-10-1036
Ukiah, CA 95482-4407		Preparation:	N/A
		Method:	EPA 9060A
Project: 13J0661			Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-06-013-922	**Solid**	**TOC 5**	**10/23/13**	**10/23/13 19:33**	**D1023TOCL1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	6000	6447	107	6391	107	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-10-1036

Method	Extraction	Chemist ID	Instrument	Analytical Location
ASTM D-2216 (M)	N/A	868	N/A	1
EPA 9060A	N/A	735	TOC 5	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-10-1036

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
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 suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
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.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Alpha
Alpha Analytical Laboratories Inc.
www.alpha-labs.com
WATERS, SEDIMENTS, SOLIDS

ELAP#1551 — 208 Mason Street, Ukiah, CA 95482
707-468-0401 Fax) 707-468-5267
ELAP #2728 — 6398 Dougherty Road, Suite 35, Dublin, CA 94586
925-828-6226 Fax) 925-828-6309
clientservices@alpha-labs.com

Work Order

Chain of Custody Record

Lab No. 13J0661 Page ___ of ___

Name: Lehigh Southwest Cement Company

PDF Report To:
Chow Yip
chow.yip@lehighhanson.com
Greg Knapp
Greg.Knapp@hanson.biz
Brant Jorgenson
brant@robertson-bryan.com

Project ID: Chronic Toxicity Samples
Project No: Pacific Ecorisk
PO#4500486111-Line #1
Invoice to: Hard Copy to Dallas, TX

Signature below authorizes work under terms stated on reverse side.

Field Sampler - Print Name & Signature

Sample Identification	Sampling Date	Sampling Time	Container: 40ml VOA	Container: Poly	Container: Amber	Container: Sleeve	Preservative: HCL	Preservative: HNO3	Preservative: H2SO4	Preservative: NaoH	Preservative: None	Matrix: Water	Matrix: Soil	pH - Pore Water Only	Ammonia (OF PORE WATER ONLY)	TOC - Soil	Particle Size Distribution - Laser	(% Sand, Silt & Clay - sub Calscience)	% Solids	% Moisture	Field Tech	Sample Notes
Pond 13 - SEDIMENT	4-Sep			x							x			x	x	x	x		x	x	x	
Pond 22 - SEDIMENT	4-Sep			x							x			x	x	x	x		x	x		
Pond 14 - SEDIMENT	4-Sep			x							x			x	x	x	x		x	x		
POND 13 - WATER	"													x	x							
POND 22 - WATER	"													x	x							
POND 14 - WATER	"													x	x							
DW 10.9.13																						
CHEMIST TIME PER ROBBIE																						

TAT: 24 hr / 48 hr / Lab Approval Required / 1 wk / 2 wk (standard) — Lab Approval Required For Rush

Relinquished by	Received by	Date	Time
[signature]	[signature]	10-8-13	1545
[signature]	R. Ivan	10-8-13	1855
R. Ivan	LAB R. Ivan	10-8-13	2140

PER BRANT: HOMOGENIZE SAMPLES, THEN PULL OFF FOR % SOLIDS & MOISTURE, PARTICLE SIZE, & TOC ON OTHER (W). LET REMAINDER SETTLE, CENTRIFUGE IF NEEDED, THEN PH & NH3 ON SUPER-NATENT. DW 10.9.13