



Alpha

Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

208 Mason St. Ukiah, California 95482

Phone: (707) 468-0401 • Fax: (707) 468-5267

ELAP Certificate Numbers 1551 and 2728

06/06/2012

Dear Ryan:

You asked me to explain the results of the testing that we performed of the Precipitated Calcium Carbonate (PCC) material from the Spreckels lime piles (the "sample") that we took on May 3, 2012.

We tested the sample for the presence of certain organic and inorganic contaminants on May 9, 2012, and the results were included in Work Order 12E0241.

- Our test for Volatile Organic Compounds (EPA 8260B) resulted in a "non-detect" across the board, meaning that our lab analysis did not detect the presence of any such contaminants in the sample.
- Our lab also did not detect the presence of any Semivolatile Organic Compounds (EPA 8081, 8082, 8141, 8270) in the sample.
- The corrosivity of the sample (pH) was only slightly alkaline. A neutral range is considered 6.5 – 8.5, and the result was measured at 8.77 units.
- No asbestos was detected.
- No hexavalent chromium was detected.
- The sample was analyzed for the CAM-17 (California Administrative Manual) list of heavy metals, along with 9 additional minerals/metals not included in the regulated list of 17 metals (a total of 26 elements). No arsenic, boron, cadmium, lead, mercury, molybdenum, selenium, or thallium was detected. We detected small amounts of five elements with TTLC (Total Threshold Limit Concentration) restrictions (Ba, Cr, Cu, V and Zn), but none of the readings were nearly high enough to require a subsequent STLC (Soluble Threshold Limit Concentration) extraction for further solubility data. STLC extractions must be done on eighteen specific elemental contaminants whenever the TTLC concentrations are above a designated limit, in order to determine whether certain leachable compounds are present in large enough amounts in a given material that the material needs to be dealt with as hazardous waste.
- There is a significant amount of calcium in the sample, and a fair amount of magnesium. This is no surprise, as limestone is composed largely of the minerals calcite and aragonite, which are different crystal forms of calcium carbonate.

In summary, this laboratory data yielded no results which would classify the material as hazardous according to State of California regulations for any of the target analytes we were asked to report. Thank you for using Alpha Analytical Laboratories, Inc.

Sincerely,

David Pingatore
Project Manager

RECEIVED
SACRAMENTO
CVR/WCCB
2 JUN 22 PM 1:19



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ELAP Certificate Numbers 1551 and 2728

18 May 2012

Clark Pacific

Attn: Ryan Nakken

1980 South River Road

West Sacramento, CA 95691

RE: Limestone Project

Work Order: 12E0241

Enclosed are the results of analyses for samples received by the laboratory on 05/03/12 20:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Clint T. Ostenberg
Project Manager



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CHEMICAL EXAMINATION REPORT

Page 1 of 34

Clark Pacific
1980 South River Road
West Sacramento, CA 95691
Attn: Ryan Nakken

Report Date: 05/17/12 10:39
Project No: Limestone Project
Project ID: Limestone Project

Order Number
12E0241

Receipt Date/Time
05/03/2012 20:35

Client Code
CV CLARKPACIFIC

Client PO/Reference

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Speckels Limestone	12E0241-01	Soil	05/02/12 10:21	05/03/12 20:35

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 Gove
Laboratory Director

5/18/2012



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Clark Pacific
1980 South River Road
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Attn: Ryan Nakken

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Project No: Limestone Project
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Order Number
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Receipt Date/Time
05/03/2012 20:35

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Client PO/Reference

Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)							
Metals by EPA 6000/7000 Series Methods							
Sample Type: Soil							
Sampled: 05/02/12 10:21							
Aluminum	EPA 6010	AE20242	05/07/12 12:19	05/08/12 10:28	1	1800 mg/kg dry	24
Antimony	"	"	"	"	"	ND "	18
Arsenic	EPA 7060	"	"	05/09/12 09:50	"	ND "	2.4
Barium	EPA 6010	"	"	05/08/12 10:28	"	29 "	12
Beryllium	"	"	"	"	"	ND "	0.88
Boron	"	"	"	"	"	ND "	59
Cadmium	"	"	"	"	"	ND "	1.2
Calcium	"	"	"	05/10/12 12:38	20	350000 "	1200
Chromium	"	"	"	05/08/12 10:28	1	6.5 "	5.9
Chromium hexavalent	EPA 7196	AE21116	05/11/12 13:12	05/16/12 07:30	"	ND "	0.94
Cobalt	EPA 6010	AE20242	05/07/12 12:19	05/08/12 10:28	"	ND "	12
Copper	"	"	"	"	"	29 "	12
Iron	"	"	"	"	"	1900 "	59
Lead	"	"	"	"	"	ND "	5.9
Magnesium	"	"	"	"	"	6300 "	59
Manganese	"	"	"	"	"	150 "	5.9
Mercury	EPA 7471	AE20750	05/08/12 14:30	05/09/12 10:02	"	ND "	0.24
Molybdenum	EPA 6010	AE20242	05/07/12 12:19	05/08/12 10:28	"	ND "	12
Nickel	"	"	"	"	"	ND "	12
Potassium	"	"	"	"	"	670 "	59
Selenium	EPA 7740	"	"	05/10/12 09:42	"	ND "	1.2
Silver	EPA 6010	"	"	05/08/12 10:28	"	ND "	5.9
Sodium	"	"	"	"	"	480 "	59
Thallium	"	"	"	"	"	ND "	8.3
Tin	"	"	"	"	"	ND "	12
Vanadium	"	"	"	"	"	7.5 "	5.9
Zinc	"	"	"	"	"	43 "	12

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5/18/2012



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CHEMICAL EXAMINATION REPORT

Page 3 of 34

Clark Pacific
1980 South River Road
West Sacramento, CA 95691
Attn: Ryan Nakken

Report Date: 05/17/12 10:39
Project No: Limestone Project
Project ID: Limestone Project

Order Number: 12E0241 Receipt Date/Time: 05/03/2012 20:35 Client Code: CV CLARKPACIFIC Client PO/Reference:

Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)		Sample Type: Soil		Sampled: 05/02/12 10:21			
Conventional Chemistry Parameters by APHA/EPA Methods							
% Solids	EPA 160.3	AE20423	05/04/12 15:09	05/16/12 11:52	1	84.7 %	0.100
% Moisture	"	AE20422	"	05/16/12 11:51	"	15.3 "	0.100
pH	EPA 9045C	AE21658	05/16/12 12:00	05/16/12 12:30	"	8.77 pH Units	1.68
Volatile Organic Compounds by EPA Method 8260B							
Acetone	EPA 8260B	AE20748	05/04/12 09:30	05/05/12 04:58	173.2	ND mg/kg dry	0.82
Benzene	"	"	"	"	"	ND "	0.20
Bromobenzene	"	"	"	"	"	ND "	0.20
Bromochloromethane	"	"	"	"	"	ND "	0.20
Bromodichloromethane	"	"	"	"	"	ND "	0.20
Bromoform	"	"	"	"	"	ND "	0.20
Bromomethane	"	"	"	"	"	ND "	0.20
n-Butylbenzene	"	"	"	"	"	ND "	0.20
sec-Butylbenzene	"	"	"	"	"	ND "	0.20
tert-Butylbenzene	"	"	"	"	"	ND "	0.20
Carbon tetrachloride	"	"	"	"	"	ND "	0.20
Chlorobenzene	"	"	"	"	"	ND "	0.20
Chloroethane	"	"	"	"	"	ND "	0.20
Chloroform	"	"	"	"	"	ND "	0.20
Chloromethane	"	"	"	"	"	ND "	0.20
2-Chlorotoluene	"	"	"	"	"	ND "	0.20
4-Chlorotoluene	"	"	"	"	"	ND "	0.20
Dibromochloromethane	"	"	"	"	"	ND "	0.20
1,2-Dibromo-3-chloropropane	"	"	"	"	"	ND "	0.20
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "	0.20
Dibromomethane	"	"	"	"	"	ND "	0.20

R-06

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1980 South River Road
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Report Date: 05/17/12 10:39
Project No: Limestone Project
Project ID: Limestone Project

<u>Order Number</u>	<u>Receipt Date/Time</u>	<u>Client Code</u>	<u>Client PO/Reference</u>
12E0241	05/03/2012 20:35	CV CLARKPACIFIC	

Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)		Sample Type: Soil		Sampled: 05/02/12 10:21			R-06
Volatile Organic Compounds by EPA Method 8260B (cont'd)							
1,2-Dichlorobenzene	EPA 8260B	"	05/05/12 04:58	"	ND "	0.20	
1,3-Dichlorobenzene	"	"	"	"	ND "	0.20	
1,4-Dichlorobenzene	"	"	"	"	ND "	0.20	
Dichlorodifluoromethane	"	"	"	"	ND "	0.20	
1,1-Dichloroethane	"	"	"	"	ND "	0.20	
1,2-Dichloroethane	"	"	"	"	ND "	0.20	
1,1-Dichloroethene	"	"	"	"	ND "	0.20	
cis-1,2-Dichloroethene	"	"	"	"	ND "	0.20	
trans-1,2-Dichloroethene	"	"	"	"	ND "	0.20	
1,2-Dichloropropane	"	"	"	"	ND "	0.20	
1,3-Dichloropropane	"	"	"	"	ND "	0.20	
2,2-Dichloropropane	"	"	"	"	ND "	0.20	
1,1-Dichloropropene	"	"	"	"	ND "	0.20	
cis-1,3-Dichloropropene	"	"	"	"	ND "	0.20	
trans-1,3-Dichloropropene	"	"	"	"	ND "	0.20	
Ethylbenzene	"	"	"	"	ND "	0.20	
Hexachlorobutadiene	"	"	"	"	ND "	0.20	
Isopropylbenzene	"	"	"	"	ND "	0.20	
p-Isopropyltoluene	"	"	"	"	ND "	0.61	
Methyl ethyl ketone	"	"	"	"	ND "	0.41	
Methyl isobutyl ketone	"	"	"	"	ND "	0.20	
Methyl tert-butyl ether	"	"	"	"	ND "	0.20	
Methylene chloride	"	"	"	"	ND "	0.20	
Naphthalene	"	"	"	"	ND "	0.20	
n-Propylbenzene	"	"	"	"	ND "	0.20	

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12E0241	05/03/2012 20:35	CV CLARKPACIFIC	

Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)		Sample Type: Soil		Sampled: 05/02/12 10:21			
Volatile Organic Compounds by EPA Method 8260B (cont'd)							R-06
Styrene	EPA 8260B	"	05/05/12 04:58	"	ND "	0.20	
1,1,1,2-Tetrachloroethane	"	"	"	"	ND "	0.20	
1,1,1,2-Tetrachloroethane	"	"	"	"	ND "	0.20	
Tetrachloroethene	"	"	"	"	ND "	0.20	
Toluene	"	"	"	"	ND "	0.20	
1,2,3-Trichlorobenzene	"	"	"	"	ND "	0.20	
1,2,4-Trichlorobenzene	"	"	"	"	ND "	0.20	
1,1,1-Trichloroethane	"	"	"	"	ND "	0.20	
1,1,2-Trichloroethane	"	"	"	"	ND "	0.20	
Trichloroethene	"	"	"	"	ND "	0.20	
Trichlorofluoromethane	"	"	"	"	ND "	0.20	
Trichlorotrifluoroethane	"	"	"	"	ND "	0.20	
1,2,3-Trichloropropane	"	"	"	"	ND "	0.20	
1,2,4-Trimethylbenzene	"	"	"	"	ND "	0.20	
1,3,5-Trimethylbenzene	"	"	"	"	ND "	0.20	
Vinyl chloride	"	"	"	"	ND "	0.20	
m,p-Xylene	"	"	"	"	ND "	0.20	
o-Xylene	"	"	"	"	ND "	0.20	
Xylenes (total)	"	"	"	"	ND "	0.20	
Surrogate: Bromofluorobenzene	"	"	"	"	119 %	38-163	
Surrogate: Dibromofluoromethane	"	"	"	"	84.9 %	39-154	
Surrogate: Toluene-d8	"	"	"	"	130 %	51-161	

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12E0241	05/03/2012 20:35	CV CLARKPACIFIC	

Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)		Sample Type: Soil		Sampled: 05/02/12 10:21			
Organochlorine Pesticides and PCBs by EPA Method 8081/8082							
Aldrin	EPA 8081/8082	AE20921	05/09/12 09:18	05/12/12 00:16	1	ND mg/kg dry	0.0059
alpha-BHC	"	"	"	"	"	ND "	0.0059
beta-BHC	"	"	"	"	"	ND "	0.0059
delta-BHC	"	"	"	"	"	ND "	0.0059
gamma-BHC (Lindane)	"	"	"	"	"	ND "	0.0059
Chlordane (tech)	"	"	"	"	"	ND "	0.24
4,4'-DDD	"	"	"	"	"	ND "	0.0059
4,4'-DDE	"	"	"	"	"	ND "	0.0059
4,4'-DDT	"	"	"	"	"	ND "	0.0059
Dieldrin	"	"	"	"	"	ND "	0.0059
Endosulfan I	"	"	"	"	"	ND "	0.0059
Endosulfan II	"	"	"	"	"	ND "	0.0059
Endosulfan sulfate	"	"	"	"	"	ND "	0.0059
Endrin	"	"	"	"	"	ND "	0.0059
Endrin aldehyde	"	"	"	"	"	ND "	0.0059
Heptachlor	"	"	"	"	"	ND "	0.0059
Heptachlor epoxide	"	"	"	"	"	ND "	0.0059
Methoxychlor	"	"	"	"	"	ND "	0.24
Toxaphene	"	"	"	"	"	ND "	0.24
PCB-1016	"	"	"	"	"	ND "	0.24
PCB-1221	"	"	"	"	"	ND "	0.24
PCB-1232	"	"	"	"	"	ND "	0.24
PCB-1242	"	"	"	"	"	ND "	0.24
PCB-1248	"	"	"	"	"	ND "	0.24
PCB-1254	"	"	"	"	"	ND "	0.24

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Order Number	Receipt Date/Time	Client Code	Client PO/Reference
12E0241	05/03/2012 20:35	CV CLARKPACIFIC	

Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)							
Organochlorine Pesticides and PCBs by EPA Method 8081/8082 (cont'd)							
PCB-1260	EPA 8081/8082	"	"	05/12/12 00:16	"	ND "	0.24
<i>Surrogate: Dibutylchlorodate</i>	"	"	"	"	78.6 %	50-120	

Semivolatile Organic Compounds by EPA Method 8270C

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Acenaphthene	EPA 8270C	AE20816	05/08/12 06:58	05/11/12 13:40	1	ND mg/kg dry	0.073
Acenaphthylene	"	"	"	"	"	ND "	0.073
Anthracene	"	"	"	"	"	ND "	0.073
Benizidine	"	"	"	"	"	ND "	1.9
Benzo (a) anthracene	"	"	"	"	"	ND "	0.39
Benzo (a) pyrene	"	"	"	"	"	ND "	0.073
Benzo (b) fluoranthene	"	"	"	"	"	ND "	0.073
Benzo (g,h,i) perylene	"	"	"	"	"	ND "	0.073
Benzo (k) fluoranthene	"	"	"	"	"	ND "	0.073
Benzoic acid	"	"	"	"	"	ND "	1.9
Benzyl alcohol	"	"	"	"	"	ND "	0.78
Bis(2-chloroethoxy)methane	"	"	"	"	"	ND "	0.39
Bis(2-chloroethyl)ether	"	"	"	"	"	ND "	0.39
Bis(2-chloroisopropyl)ether	"	"	"	"	"	ND "	0.39
Bis(2-ethylhexyl)phthalate	"	"	"	"	"	ND "	0.39
4-Bromophenyl phenyl ether	"	"	"	"	"	ND "	0.39
Butyl benzyl phthalate	"	"	"	"	"	ND "	0.39
4-Chloro-3-methylphenol	"	"	"	"	"	ND "	0.39
4-Chloroaniline	"	"	"	"	"	ND "	0.78
2-Chloronaphthalene	"	"	"	"	"	ND "	0.39
2-Chlorophenol	"	"	"	"	"	ND "	0.39
4-Chlorophenyl phenyl ether	"	"	"	"	"	ND "	0.39

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Client PO/Reference

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METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)		Sample Type: Soil		Sampled: 05/02/12 10:21			
Semivolatile Organic Compounds by EPA Method 8270C (cont'd)							
Chrysene	EPA 8270C	"	05/11/12 13:40	"	ND "	0.073	
Di-n-butyl phthalate	"	"	"	"	ND "	0.39	
Di-n-octyl phthalate	"	"	"	"	ND "	0.39	
Dibenz (a,h) anthracene	"	"	"	"	ND "	0.073	
Dibenzofuran	"	"	"	"	ND "	0.39	
1,2-Dichlorobenzene	"	"	"	"	ND "	0.39	
1,3-Dichlorobenzene	"	"	"	"	ND "	0.39	
1,4-Dichlorobenzene	"	"	"	"	ND "	0.78	
3,3'-Dichlorobenzidine	"	"	"	"	ND "	0.39	
2,4-Dichlorophenol	"	"	"	"	ND "	0.39	
Dimethyl phthalate	"	"	"	"	ND "	0.39	
Dimethyl phthalate	"	"	"	"	ND "	0.39	
2,4-Dimethylphenol	"	"	"	"	ND "	1.9	
4,6-Dinitro-2-methylphenol	"	"	"	"	ND "	1.9	
2,4-Dinitrophenol	"	"	"	"	ND "	0.39	
2,4-Dinitrotoluene	"	"	"	"	ND "	0.39	
2,6-Dinitrotoluene	"	"	"	"	ND "	0.39	
1,2-Diphenylhydrazine	"	"	"	"	ND "	0.073	
Fluoranthene	"	"	"	"	ND "	0.073	
Fluorene	"	"	"	"	ND "	0.39	
Hexachlorobenzene	"	"	"	"	ND "	0.39	
Hexachlorobutadiene	"	"	"	"	ND "	1.9	
Hexachlorocyclopentadiene	"	"	"	"	ND "	0.39	
Hexachloroethane	"	"	"	"	ND "	0.073	
Indeno (1,2,3-cd) pyrene	"	"	"	"	ND "		

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 Gove
Laboratory Director

5/18/2012



alpha

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

CHEMICAL EXAMINATION REPORT

Page 9 of 34

Clark Pacific
1980 South River Road
West Sacramento, CA 95691
Attn: Ryan Nakken

Report Date: 05/17/12 10:39
Project No: Limestone Project
Project ID: Limestone Project

Order Number
12E0241

Receipt Date/Time
05/03/2012 20:35

Client Code
CV CLARKPACIFIC

Client PO/Reference

Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)		Sample Type: Soil		Sampled: 05/02/12 10:21			
Semivolatile Organic Compounds by EPA Method 8270C (cont'd)							
Isophorone	EPA 8270C	"	"	05/11/12 13:40	"	ND "	0.39
2-Methylnaphthalene	"	"	"	"	"	ND "	0.073
2-Methylphenol (o-cresol)	"	"	"	"	"	ND "	0.39
3 & 4-Methylphenol (m,p-cresol)	"	"	"	"	"	ND "	0.39
N-Nitrosodi-n-propylamine	"	"	"	"	"	ND "	0.39
N-Nitrosodimethylamine	"	"	"	"	"	ND "	0.78
N-Nitrosodiphenylamine	"	"	"	"	"	ND "	0.39
Naphthalene	"	"	"	"	"	ND "	0.073
2-Nitroaniline	"	"	"	"	"	ND "	1.9
3-Nitroaniline	"	"	"	"	"	ND "	1.9
4-Nitroaniline	"	"	"	"	"	ND "	1.9
Nitrobenzene	"	"	"	"	"	ND "	0.39
2-Nitrophenol	"	"	"	"	"	ND "	1.9
4-Nitrophenol	"	"	"	"	"	ND "	1.9
Pentachlorophenol	"	"	"	"	"	ND "	1.9
Phenanthrene	"	"	"	"	"	ND "	0.073
Phenol	"	"	"	"	"	ND "	0.39
Pyrene	"	"	"	"	"	ND "	0.073
1,2,4-Trichlorobenzene	"	"	"	"	"	ND "	0.39
2,4,5-Trichlorophenol	"	"	"	"	"	ND "	0.39
2,4,6-Trichlorophenol	"	"	"	"	"	ND "	0.39
Surrogate: 2-Fluorobiphenyl	"	"	"	"	69.5 %	61-117	
Surrogate: 2-Fluorophenol	"	"	"	"	63.8 %	50-113	
Surrogate: Nitrobenzene-d5	"	"	"	"	68.5 %	47-123	
Surrogate: p-Terphenyl-d14	"	"	"	"	82.0 %	63-133	
Surrogate: Phenol-d6	"	"	"	"	64.9 %	49-119	
Surrogate: 2,4,6-Tribromophenol	"	"	"	"	73.4 %	52-129	

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Bruce Gove
Laboratory Director

5/18/2012



Alpha

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CHEMICAL EXAMINATION REPORT

Page 10 of 34

Clark Pacific
1980 South River Road
West Sacramento, CA 95691
Attn: Ryan Nakken

Report Date: 05/17/12 10:39
Project No: Limestone Project
Project ID: Limestone Project

<u>Order Number</u>	<u>Receipt Date/Time</u>	<u>Client Code</u>	<u>Client PO/Reference</u>
12E0241	05/03/2012 20:35	CV CLARKPACIFIC	

Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Spreckels Limestone (12E0241-01)		Sample Type: Soil		Sampled: 05/02/12 10:21			

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 Gove
Laboratory Director

5/18/2012



McC Campbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mcccampbell.com / E-mail: main@mcccampbell.com

Alpha Analytical Laboratories
208 Mason Street
Ukiah, CA 95482

Client Project ID: #12E0241

Date Sampled: 05/02/12
Date Received: 05/07/12
Date Extracted: 05/09/12
Date Analyzed: 05/09/12

Client Contact: Sheri Speaks

Client P.O.:

Organophosphorous Pesticides by GC-MS (Basic Target List)*

Extraction Method: SW3550B

Analytical Method: SW8141Am

Work Order: 1205205

Lab ID	1205205-001A	Reporting Limit for DF = 1		
Client ID	Spreckels Limestone	S	W	
Matrix	S			
DF	5			
Compound	Concentration		mg/kg	µg/L
Alachlor	ND<0.50		0.1	NA
Atrazine	ND<0.50		0.1	NA
Azinphos methyl (Guthion)	ND<0.50		0.1	NA
Bolstar (Sulprofos)	ND<0.50		0.1	NA
Chloropyrifos	ND<0.50		0.1	NA
Coumaphos	ND<0.50		0.1	NA
Demeton	ND<0.50		0.1	NA
Diazinon	ND<0.50		0.1	NA
Dichlorvos (DDVP)	ND<0.50		0.1	NA
Dimethoate	ND<0.50		0.1	NA
Disulfoton (Di-Syston)	ND<0.50		0.1	NA
EPN	ND<0.50		0.1	NA
EPTC	ND<0.50		0.1	NA
Ethion	ND<0.50		0.1	NA
Ethoprop	ND<0.50		0.1	NA
Fensulfothion	ND<0.50		0.1	NA
Fenthion	ND<0.50		0.1	NA
Fonofos	ND<0.50		0.1	NA
Malathion	ND<0.50		0.1	NA
Mevinphos (Phosdrin)	ND<0.50		0.1	NA
Molinate	ND<0.50		0.1	NA
Ethyl parathion	ND<0.50		0.1	NA
Methyl parathion	ND<0.50		0.1	NA
Phorate (Thimet)	ND<0.50		0.1	NA
Prometon	ND<0.50		0.1	NA
Ronnel	ND<0.50		0.1	NA
Simazine	ND<0.50		0.1	NA
Stirofos (Tetrachlorvinphos)	ND<0.50		0.1	NA
Terbacil	ND<0.50		0.1	NA
Terbufos (Terbuphos)	ND<0.50		0.1	NA
Thiobencarb	ND<0.50		0.1	NA
Tokuthion (Prothiofos)	ND<0.50		0.1	NA
Trichloronate (Agritox)	ND<0.50		0.1	NA

Surrogate Recoveries (%)

%SS:	116		
Comments	a3		

* soil/sludge/solid samples in mg/kg.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or, surrogate peak is on elevated baseline, or, surrogate has been diminished by dilution of original extract.

a3) sample diluted due to high organic content.

 Angela Rydelius, Lab Manager



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QC SUMMARY REPORT FOR SW8141A

W.O. Sample Matrix: Solid

QC Matrix: Soil

BatchID: 67411

WorkOrder: 1205205

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Alachlor	N/A	0.20	N/A	N/A	N/A	66.2	N/A	N/A	20 - 140
Atrazine	N/A	0.20	N/A	N/A	N/A	48.3	N/A	N/A	20 - 140
Disulfoton (Di-Syston)	N/A	0.20	N/A	N/A	N/A	35.3	N/A	N/A	20 - 140
Fenthion	N/A	0.20	N/A	N/A	N/A	64.1	N/A	N/A	20 - 140
Methyl parathion	N/A	0.20	N/A	N/A	N/A	56.6	N/A	N/A	20 - 140
%SS	N/A	1	N/A	N/A	N/A	164, F3	N/A	N/A	60 - 140

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
 NONE

F3 = the surrogate standard recovery is outside of acceptance limits; however, all spiked QC analytes are within proper acceptance limits.

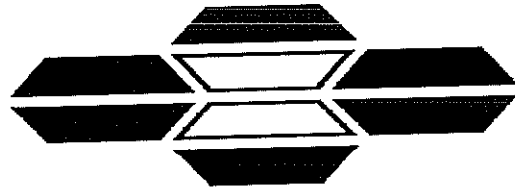
BATCH 67411 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1205205-001A	05/02/12 10:21 AM	05/09/12	05/09/12 11:13 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 $\% \text{ Recovery} = 100 * (\text{MS-Sample}) / (\text{Amount Spiked}); \text{RPD} = 100 * (\text{MS} - \text{MSD}) / ((\text{MS} + \text{MSD}) / 2).$
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

JR QA/QC Officer

DHS ELAP Certification 1644



ASBESTOS TEM LABORATORIES, INC.

**Polarized Light Microscopy
Analytical Report
(EPA Point Count Protocol)**

Laboratory Job # 1288-00338

630 Bancroft Way
Berkeley, CA 94710
(510) 704-8930
FAX (510) 704-8429



ASBESTOS TEM LABORATORIES, INC

CA DPH ELAP
Lab No. 1866

NVLAP[®]
NVLAP Lab Code: 101891-D
Berkeley, CA

May/18/2012

Clint T. Ostenberg
Alpha Analytical Laboratories, Inc.
208 Mason Street
Ukiah, CA 95482

RE: LABORATORY JOB # 1288-00338
Polarized light microscopy analytical results for 1 bulk sample(s).
Job Site:
Job No.: 12E0241

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM) using the point counting technique to determine asbestos concentration. Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze the various materials present, including asbestos. Quantitation of asbestos is made via counting of a minimum of 400 semi-random particles using a Chalkey reticle. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

Sincerely Yours,

Lab Manager
ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, without the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---

POLARIZED LIGHT MICROSCOPY POINT COUNT ANALYTICAL REPORT

Contact: Clint T. Ostenberg	Samples Submitted: 1	Report No. 309903
Address: Alpha Analytical Laboratories, Inc.	Samples Analyzed: 1	Date Submitted: May-07-12
208 Mason Street	Job Site / No.	Date Reported: May-18-12
Ukiah, CA 95482	12E0241	

SAMPLE ID	POINTS COUNTED	ASBESTOS %	TYPE	LOCATION / DESCRIPTION
12E0241-01		<0.25%	None Detected	Spreckels Limestone.
Lab ID # 1288-00338-001	400 - Total Points			No Point Count Performed - ARB Exception 1
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			

QC Reviewer *R. Mc Point*

Analyst *Jo Ann Huentro*

A & L WESTERN AGRICULTURAL LABORATORIES

1311 WOODLAND AVE #1 • MODESTO, CALIFORNIA 95351 • (209) 529-4080 • FAX (209) 529-4736



REPORT NUMBER: 12-138-111 CLIENT: 1047-D SUBMITTED BY: CLINT OSTENBERG

SEND TO: ALPHA ANALYTICAL LABS CUSTOMER: 12E0241

208 MASON ST

UKIAH, CA 95482-

FERTILIZER AND LIME ANALYSIS REPORT

PAGE: 1

DATE OF REPORT: 05/21/12

Sample Identification	Lab Number	Nitrogen % N	Total Phosphate % P ₂ O ₅	Potash % K ₂ O	Sulfur % S	Zinc % Zn	Available Phosphate % P ₂ O ₅	Non-Ortho Phosphate % of Total P ₂ O ₅	Sulfate Sulfur %	Calcium % Ca	Magnesium % Mg	Calcium Carbonate Equiv. % CaCO ₃	H ₂ O %
41-01 LIMESTONE	24335											83.10	7.85

REMARKS: Values reported are on a dry weight basis.

This report applies only to the sample(s) tested. Samples are retained a maximum of thirty days after testing.

Robert Butterfield
A & L WESTERN LABORATORIES, INC.

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QUALITY ASSURANCE REPORT

Run Date: 05/21/12

Analyte:	LCS True Value %	LCS Result %	% Recovery	Acceptance Limits %	Comments
CaCO ₃	100.0	99.43	99.43	98-102	Acceptable

Samples included in run: 24335

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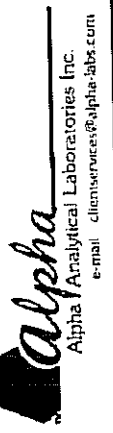
Chain of Custody Record

Reports and Invoices will be delivered by email in pdf format.

Page 12 of 24

Laboratory & Corporate:
208 Mason Street, Ukiah, CA 95482
707-468-0401 Fax: 707-498-8267

Service Center & Micro Lab:
6398 Dougherty Rd, Ste 35, Dublin, CA 94568
925-828-8226 Fax: 925-828-6309



Report to: Company: Clark Pacific Attn: Ryan Nakken Address: 1980 South River Road West Sacramento CA 95691 Phone/Fax: 916.275.3752 Email Address: makken@clarkpacific.com		Project Info for Report: Project ID: Limestone Project Project No: POI/Reference:		Invoice to (if different): Company: Attn: Address: Phone/Fax: Email Address:		Container: Adm VOA Poly Amber Soil Jar - Baz		Preservative: Matrix: Limestone cake Soil Water None		HCL HNO3 H2SO4		X X X	
Printed: Signature: <i>Clark T. Osterberg</i> Date: 5/14/12 Time: 10:21		Sample Identification: Spreckels Limestone		Total Number of Containers: 10		B001 & B0B2 Pest/PCB B144A OPP B260B Full List B270 Regular List CAM 17 TTLC Soil Add 6010A: Al B Ca Fe K Mg Mn Na Sn C6 7196A Alkalinity, Total Moisture, Percent / Solids, Dry Weight PH Asbestos (BULK) - SUB		Analyses Requested		TAT 10 days <input checked="" type="radio"/> RUSH: 5 days <input type="radio"/> 48 hours <input type="radio"/> Other: ___ days <input type="radio"/>		Sample Notes (lab use only) Temperature: _____ deg. C Shipment Method: Custody Seals: Y / N	
Signature below authorizes work under terms stated on reverse side						Lab Approval Required For Rush TATs		Sample Notes or CDPH Source Numbers: PER CLIENT: IF METAL EXCEEDS TTLC, RUN 8TLC UN 5.16.12		CDPH Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No			
Received by: <i>[Signature]</i>						Date: 5/14/12 Time: 10:21		State System Number: _____ If "Y" please enter the Source Number(s) in the column above		CA Geotracker EDF Report? <input type="radio"/> Yes <input type="radio"/> No			
Global ID: _____ EDF to (Email Address): _____ Travel and Site Time: _____ Mileage: _____ Misc Supplier: _____						Sampling Company Log Code: _____		CA Geotracker EDF Report? <input type="radio"/> Yes <input type="radio"/> No		Global ID: _____ EDF to (Email Address): _____ Travel and Site Time: _____ Mileage: _____ Misc Supplier: _____			