APPENDIX C

ANALYTICAL LABORATORY REPORTS AND CHAINS OF CUSTODY

Addendum to Certificates of Analysis - Caltrans PCC Study

Prepared For: Bryan A Stirrat & Associates, 1360 Valley Vista Drive, Diamond Bar, CA 91675

Laboratory ID	Client ID	Matrix	Sampling Date / Time		Received Date / Time		Parameter	Method	Results	PQL	Units	Date Analyzed
0410-00093-01	PCC-08-015-L1	A	10/26/2004	1415	10/26/2004	1955	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	10/30/2004
0410-00093-02	PCC-08-015-S1	S	10/26/2004	1420	10/26/2004	1955	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	10/29/2004
0410-00094-01	PCC-08-015-L2	A	10/26/2004	1532	10/26/2004	1955	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	10/31/2004
0410-00094-02	PCC-08-015-S2	S	10/26/2004	1532	10/26/2004	1955	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	10/29/2004
0411-00014-01	PCC-03-005-L1	A	11/1/2004	1158	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00014-02	PCC-03-005-S1	S	11/1/2004	1158	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/6/2004
0411-00016-01	PCC-03-005-L2	A	11/2/2004	105	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00016-02	PCC-03-005-S2	S	11/2/2004	105	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/6/2004
0411-00017-01	PCC-03-005-L3	A	11/2/2004	242	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00017-02	PCC-03-005-S3	S	11/2/2004	242	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/6/2004
0411-00018-01	PCC-03-005-L4	A	11/2/2004	338	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00018-02	PCC-03-005-S4	S	11/2/2004	338	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/6/2004
0411-00019-01	PCC-03-005-L5	A	11/2/2004	418	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00019-02	PCC-03-005-S5	S	11/2/2004	418	11/4/2004	1015	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/6/2004
0411-00023-01	PCC-07-005-L1	A	11/5/2004	248	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00023-02	PCC-07-005-S1	S	11/5/2004	248	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/15/2004
0411-00025-01	PCC-07-005-L2	A	11/5/2004	348	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00025-02	PCC-07-005-S2	S	11/5/2004	348	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/15/2004
0411-00026-01	PCC-07-005-L3	A	11/5/2004	442	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00026-02	PCC-07-005-S3	S	11/5/2004	442	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/15/2004
0411-00027-01	PCC-07-005-L4	A	11/5/2004	515	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00027-02	PCC-07-005-S4	S	11/5/2004	515	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/15/2004
0411-00028-01	PCC-07-005-L5	A	11/5/2004	549	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/6/2004
0411-00028-02	PCC-07-005-S5	S	11/5/2004	549	11/5/2004	1040	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/15/2004
0411-00058-01	PCC-07-101-L3	A	11/18/2004	2358	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/29/2004
0411-00058-02	PCC-07-101-S3	S	11/18/2004	2358	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/30/2004
0411-00059-01	PCC-07-101-L5	A	11/19/2004	350	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/29/2004
0411-00059-02	PCC-07-101-S5	S	11/19/2004	350	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/30/2004
0411-00060-01	PCC-07-101-L2	A	11/18/2004	2245	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/29/2004
0411-00060-02	PCC-07-101-S2	S	11/18/2004	2245	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/30/2004
0411-00061-01	PCC-07-101-L4	A	11/19/2004	145	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/29/2004
0411-00061-02	PCC-07-101-S4	S	11/19/2004	145	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/30/2004
0411-00062-01	PCC-07-101-L1	A	11/18/2004	2150	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<100	100	ug/L	11/29/2004
0411-00062-02	PCC-07-101-S1	S	11/18/2004	2150	11/19/2004	950	TPH as Gasoline	TPH by GC/MS	<0.50	0.5	mg/kg	11/30/2004

1/25/05

Clifton J. Kiser, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location. This report shall not be reproduced, except in full, without the written approval of AmeriSci. No use of this report for promotional or advertising purpose is permitted without prior written AmeriSci approval.

District 3
I-5
November 1, 2004

AmeriSci Los Angeles
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

AmeriSci Work Order # 20041100014
Project Name: Caltrans
Client Project #: PCC Study / I-5 Hood
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Sample: 001 PCC-03-005-L1
Sampling Date: 20041101 Time: 0:00 Receive Date: 20041104 Time: 10:15
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041110
Silver, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Arsenic, Water	ICP, EPA Method 200.7	0.26	0.050	mg/L	20041110
Barium, Water	ICP, EPA Method 200.7	5.0	0.015	mg/L	20041110
Beryllium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Cadmium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Cobalt, Water	ICP, EPA Method 200.7	0.72	0.015	mg/L	20041110
Chromium, Water	ICP, EPA Method 200.7	1.8	0.015	mg/L	20041110
Copper, Water	ICP, EPA Method 200.7	2.2	0.025	mg/L	20041110
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	0.0013	0.001	mg/L	20041110
Molybdenum, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Nickel, Water	ICP, EPA Method 200.7	1.4	0.025	mg/L	20041110
Lead, Water, ICP	ICP, EPA Method 200.7	0.33	0.025	mg/L	20041110
Antimony, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Selenium, Water	ICP, EPA Method 200.7	0.16	0.050	mg/L	20041110
Thallium, Water	ICP, EPA Method 200.7	<0.075	0.075	mg/L	20041110
Vanadium, Water	ICP, EPA Method 200.7	2.6	0.015	mg/L	20041110
Zinc, Water	ICP, EPA Method 200.7	2.5	0.050	mg/L	20041110
Aqueous Extraction, HCL	SW-846 3010	11/09/2004		DATE	20041110
Mercury water prep.	EPA Methods 245.1	11/09/2004		DATE	20041110
Total Dissolved Solids	EPA Method 160.1	790	10	mg/L	20041108
Alkalinity	EPA Method 2320B	3700	500	mg/L	20041110
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041107
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041107
Oil & Grease, Gravimetric	EPA Method 1664, AQ	<4.0	4.0	mg/L	20041115
Aqueous, EPA 8260B/5030B					20041106
Dibromofluromethane (SU)	EPA Method 8260B	28		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	102		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	100		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloromethane	EPA Method 8260B	<5	5	ug/L	20041106

Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041106
Bromomethane	EPA Method 8260B	<25	25	ug/L	20041106
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Acetone	EPA Method 8260B	<50	50	ug/L	20041106
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041106
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041106
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041106
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041106
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloroform	EPA Method 8260B	13	5	ug/L	20041106
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041106
Benzene	EPA Method 8260B	<5	5	ug/L	20041106
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041106
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041106
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Toluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041106
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106

Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromoform	EPA Method 8260B	<5	5	ug/L	20041106
Styrene	EPA Method 8260B	<5	5	ug/L	20041106
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	180	5	ug/L	20041106
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041106
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Total Organic Carbon, AQ	EPA 415.1/SM 5310C	180	3.0	mg/L	20041105
Phenols	EPA Method 420.1	0.10	0.030	mg/L	20041116
Chloride	Standard Method 4500-Cl B	24	5.0	mg/L	20041105
Sulfate	EPA Method 300.0	310	100	mg/L	20041105
Sulfide	4500-5-D / 376.1	<3.8	3.8	mg/L	20041108
Chemical Oxygen Demand	EPA Method 410.4	75	5.0	mg/L	20041104
Total Suspended Solids	EPA Method 160.2	20000	10	mg/L	20041105
Conductivity	EPA Method 120.1/2510B	1300	0.10	umho/cm	20041104
Calcium, Water	ICP, EPA Method 200.7	3700	50	mg/L	20041110
Iron, Water	ICP, EPA Method 200.7	660	2.5	mg/L	20041110
Phosphorous, Total	EPA Method 365.4	13	1.0	mg/L	20041113
Phosphate, Ortho	EPA Method 300.0	<0.050	0.050	mg/L	20041105
Manganese, Water, ICP	ICP, EPA Method 200.7	<50	50	mg/L	20041110
Magnesium, Water	ICP, EPA Method 200.7	250	0.50	mg/L	20041111
Potassium, Water	ICP, EPA SW846-6010B	39	5.0	mg/L	20041109
Sodium, water, ICP	ICP, EPA Method 200.7	37	20	mg/L	20041109

AmeriSci Work Order # 20041100014
Project Name: Caltrans
Client Project #: PCC Study / I-5 Hood
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Boron, Water	ICP, EPA Method 200.7	7.5	5.0	mg/L	20041111
Fluoride	4500-F-C / 300.0	0.94	0.10	mg/L	20041105
Total Organic Halides, AQ	EPA 450.1	45	20	mg/L	20041110
Hardness, Total	2340B, Calculation Ca/Mg	460	5.0	mg/L	20041110
8270 BNA, Aqueous					20041109
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	96.4		Percent	20041109
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	77.3		Percent	20041109
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	49.9		Percent	20041109
Phenol-d5 (Surr)	EPA 8270C, GC/MS	35.4		Percent	20041109
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	79.3		Percent	20041109
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	76.1		Percent	20041109
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	84.4		Percent	20041109
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	86.6		Percent	20041109
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<12	12	ug/L	20041109
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
2,4-Dichlorophenol	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<60	60	ug/L	20041109
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
2-Chloronaphthalene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
2-Chlorophenol	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
2-MethylNaphthalene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
2-Nitroaniline	EPA 8270 B/N, AQ	<60	60	ug/L	20041109
2-Nitrophenol	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<24	24	ug/L	20041109
3-Nitroaniline	EPA 8270 B/N, AQ	<60	60	ug/L	20041109
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<60	60	ug/L	20041109
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<60	60	ug/L	20041109
4-Chloroaniline	EPA 8270 B/N, AQ	<24	24	ug/L	20041109
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
4-Nitroaniline	EPA 8270 B/N, AQ	<24	24	ug/L	20041109
4-Nitrophenol	EPA 8270 Acid, AQ	<60	60	ug/L	20041109
Acenapthene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Acenaphthylene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Anthracene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109

Boston - Los Angeles - New York - Richmond
www.amerisci.com

Benzidine	EPA 8270 B/N, AQ	<60	60	ug/L	20041109
Benzo(a)anthracene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Benzo(a)pyrene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Benzoic Acid	EPA 8270 B/N, AQ	<60	60	ug/L	20041109
Benzyl Alcohol	EPA 8270 B/N, AQ	<24	24	ug/L	20041109
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Chrysene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Di-n-butylphthalate	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Dibenzofuran	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Diethyl Phthalate	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Dimethyl Phthalate	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Fluoranthene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Fluorene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Hexachlorobenzene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Hexachlorobutadiene	EPA 8270 B/N, AQ	<24	24	ug/L	20041109
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Hexachloroethane	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Isophorone	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Naphthalene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Nitrobenzene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Pentachlorophenol	EPA 8270 Acid, AQ	<60	60	ug/L	20041109
Phenanthrene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Phenol	EPA 8270 Acid, AQ	<12	12	ug/L	20041109
Pyrene	EPA 8270 B/N, AQ	<12	12	ug/L	20041109
Organochlorine Pesticides					20041108
DCB (SURROGATE)	EPA Method 8081/8082	104	0.060	Percent	20041108
TCMX (SURROGATE)	EPA Method 8081/8082	99.4		Percent	20041108
4,4'-DDD	EPA 8081A	<0.060	0.060	ug/L	20041108
4,4'-DDE	EPA 8081A	<0.060	0.060	ug/L	20041108
4,4'-DDT	EPA 8081A	<0.060	0.060	ug/L	20041108
Aldrin	EPA 8081A	<0.030	0.030	ug/L	20041108

Chlordane	EPA 8081A	<0.30	0.30	ug/L	20041108
Dieldrin	EPA 8081A	<0.060	0.060	ug/L	20041108
Endosulfan I	EPA 8081A	<0.030	0.030	ug/L	20041108
Endosulfan II	EPA 8081A	<0.060	0.060	ug/L	20041108
Endosulfan Sulfate	EPA 8081A	<0.060	0.060	ug/L	20041108
Endrin	EPA 8081A	<0.060	0.060	ug/L	20041108
Endrin Aldehyde	EPA 8081A	<0.060	0.060	ug/L	20041108
Endrin Ketone	EPA 8081A	<0.060	0.060	ug/L	20041108
Heptachlor	EPA 8081A	<0.030	0.030	ug/L	20041108
Heptachlor Epoxide	EPA 8081A	<0.030	0.030	ug/L	20041108
Methoxychlor	EPA 8081A	<0.30	0.30	ug/L	20041108
Toxaphene	EPA 8081A	<3.0	3.0	ug/L	20041108
alpha-BHC	EPA 8081A	<0.030	0.030	ug/L	20041108
beta-BHC	EPA 8081A	<0.030	0.030	ug/L	20041108
delta-BHC	EPA 8081A	<0.030	0.030	ug/L	20041108
gamma-BHC (Lindane)	EPA 8081A	<0.030	0.030	ug/L	20041108
PCBs, Aqueous					20041108
PCB-1016	EPA Method 8082	<0.60	0.60	mg/L	20041108
PCB-1221	EPA Method 8082	<1.2	1.2	mg/L	20041108
PCB-1232	EPA Method 8082	<0.60	0.60	mg/L	20041108
PCB-1242	EPA Method 8082	<0.60	0.60	mg/L	20041108
PCB-1248	EPA Method 8082	<0.60	0.60	mg/L	20041108
PCB-1254	EPA Method 8082	<0.60	0.60	mg/L	20041108
PCB-1260	EPA Method 8082	<0.60	0.60	mg/L	20041108
PCB-1262	EPA Method 8082	<0.60	0.60	mg/L	20041108
PCB-1268	EPA Method 8082	<0.60	0.60	mg/L	20041108
TCMX (SURROGATE)	EPA Method 8081/8082	98.0		Percent	20041108
DCB (SURROGATE)	EPA Method 8081/8082	86.5		Percent	20041108
Bio Assay	See Attached Report	See Attached			20041122

Sample: 002 PCC-03-005-S1
Sampling Date: 00000000 Time: 0:00 Receive Date: 20041104 Time: 10:15
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Solid					20041110
Silver, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Arsenic, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Barium, Solid	ICP, SW-846 Method 6010B	72	20	mg/kg	20041110
Beryllium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Cadmium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Cobalt, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Chromium, Solid	ICP, SW-846 Method 6010B	67	20	mg/kg	20041110

Copper, Solid	ICP, SW-846 Method 6010B	45	20	mg/kg	20041110
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041111
Molybdenum, Solid	ICP, SW-846 Method 6010B	23	20	mg/kg	20041110
Nickel, Solid	ICP, SW-846 Method 6010B	30	20	mg/kg	20041110
Lead, Solid	ICP, EPA SW-846 6010B	<20	20	mg/kg	20041110
Antimony, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Selenium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Thallium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Vanadium, Solid	ICP, SW-846 Method 6010B	53	20	mg/kg	20041110
Zinc, Solid	ICP, SW-846 Method 6010B	44	20	mg/kg	20041110
Solid Extraction, HCL	SW-846, 3050	11/09/2004		DATE	20041110
Mercury solid prep	Mercury Solid Prep	11/10/2004		DATE	20041110
Chromium Hexavalent	EPA SW-846 7196A	0.77	0.10	mg/kg	20041116
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041115
Oil Range Organic C28-C40	8015M, FID, Extractable	540	50	mg/kg	20041115
Oil & Grease, Gravimetric	EPA Method 1664, Solid	1000	50	mg/kg	20041106
Solid, 8260B/5030B					20041115
Dibromofluromethane (SU)	EPA Method 8260B	17		Percent	20041115
1,2-Dichloroethane (SU)	EPA Method 8260B	102		Percent	20041115
Toluene-d8 (SU)	EPA Method 8260B	98		Percent	20041115
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041115
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041115
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041115
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041115
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041115
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041115
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041115
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041115

1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041115
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041115
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041115
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,3,5-Trimethylbenzene	EPA Method 8260B	0.020	0.01	mg/kg	20041115
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,2,4-Trimethlybenzene	EPA Method 8260B	0.048	0.01	mg/kg	20041115
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115

n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041115
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041115
Chloride, Soild	EPA 300 Modified	94	50	mg/kg	20041109
Nitrite in Solids	EPA 300.0, IC	<0.50	0.50	mg/kg	20041109
Nitrate in Solids	300.0 Modified	4.7	1.0	mg/kg	20041109
Sulfate	EPA Method 300.0	590	100	mg/Kg	20041109
Orthophosphate	EPA 300.0	<0.50	0.50	mg/kg	20041109
Iron, Solid	ICP, SW-846 Method 6010B	14000	400	mg/kg	20041110
Aluminum, Solid	ICP, SW-846 Method 6010B	20000	200	mg/kg	20041110
pH, Soil or Solid	EPA Method 150.1/9045	11.0	0.10	Unit	20041108
8270 BNA, Solid					20041105
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	22.9		Percent	20041105
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	61.9		Percent	20041105
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	54.1		Percent	20041105
Phenol-d5 (Surr)	EPA 8270C, GC/MS	69.9		Percent	20041105
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	53.0		Percent	20041105
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	64.9		Percent	20041105
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	78.4		Percent	20041105
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	58.8		Percent	20041105
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.7	0.7	mg/Kg	20041105
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.7	0.7	mg/Kg	20041105
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<3	3	mg/Kg	20041105
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.7	0.7	mg/Kg	20041105
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<3	3	mg/Kg	20041105
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
2-Chlorophenol	EPA 8270 Acid, Soil	<0.7	0.7	mg/Kg	20041105
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.7	0.7	mg/Kg	20041105
2-Nitroaniline	EPA 8270 B/N, Soil	<3	3	mg/Kg	20041105
2-Nitrophenol	EPA 8270 Acid, Soil	<0.7	0.7	mg/Kg	20041105
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<1	1	mg/Kg	20041105
3-Nitroaniline	EPA 8270 B/N, Soil	<3	3	mg/Kg	20041105
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<3	3	mg/Kg	20041105

4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<1	1	mg/Kg	20041105
4-Chloroaniline	EPA 8270 B/N, Soil	<1	1	mg/Kg	20041105
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.7	0.7	mg/Kg	20041105
4-Nitroaniline	EPA 8270 B/N, Soil	<3	3	mg/Kg	20041105
4-Nitrophenol	EPA 8270 Acid, Soil	<3	3	mg/Kg	20041105
Acenaphthene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Acenaphthylene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Anthracene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Benzidine	EPA 8270 B/N, Soil	<3	3	mg/Kg	20041105
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Benzoic Acid	EPA 8270 B/N, Soil	<3	3	mg/Kg	20041105
Benzyl Alcohol	EPA 8270 B/N, Soil	<1	1	mg/Kg	20041105
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Chrysene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Dibenzofuran	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Fluoranthene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Fluorene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Hexachlorobutadiene	EPA 8270 B/N, Soil	<1	1	mg/Kg	20041105
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<1	1	mg/Kg	20041105
Hexachloroethane	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Isophorone	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Naphthalene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Nitrobenzene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Pentachlorophenol	EPA 8270 Acid, Soil	<3	3	mg/Kg	20041105

AmeriSci Work Order # 20041100014
Project Name: Caltrans
Client Project #: PCC Study / I-5 Hood
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Phenanthrene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
Phenol	EPA 8270 Acid, Soil	<0.7	0.7	mg/Kg	20041105
Pyrene	EPA 8270 B/N, Soil	<0.7	0.7	mg/Kg	20041105
8081 OrganoChlorPest, Solid				ug/Kg	20041108
4,4'-DDD (p,p-DDD)	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
4,4'-DDE (p,p-DDE)	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
4,4'-DDT (p,p-DDT)	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
Aldrin	EPA Method 8081A	<0.001	0.001	mg/kg	20041108
Chlordane	EPA Method 8081A	<0.009	0.009	mg/kg	20041108
Dieldrin	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
Endosulfan I	EPA Method 8081A	<0.001	0.001	mg/kg	20041108
Endosulfan II	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
Endosulfan Sulfate	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
Endrin	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
Endrin Aldehyde	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
Endrin Ketone	EPA Method 8081A	<0.002	0.002	mg/kg	20041108
Heptachlor	EPA Method 8081A	<0.001	0.001	mg/kg	20041108
Heptachlor Epoxide (B)	EPA Method 8081A	<0.001	0.001	mg/kg	20041108
Methoxychlor	EPA Method 8081A	<0.009	0.009	mg/kg	20041108
Toxaphene	EPA Method 8081A	<0.090	0.090	mg/kg	20041108
a-BHC	EPA Method 8081A	<0.001	0.001	mg/kg	20041108
b-BHC	EPA Method 8081A	<0.001	0.001	mg/kg	20041108
d-BHC	EPA Method 8081A	<0.001	0.001	mg/kg	20041108
v-BHC (Lindane)	EPA Method 8081A	<0.001	0.001	mg/kg	20041108
DCB (SURROGATE)	EPA Method 8081/8082	86.5		Percent	20041108
TCMX (SURROGATE)	EPA Method 8081/8082	81.7		Percent	20041108
PCBs, Solids					20041108
PCB-1016	EPA Method 8082	<0.016	0.016	mg/kg	20041108
PCB-1221	EPA Method 8082	<0.033	0.033	mg/kg	20041108
PCB-1232	EPA Method 8082	<0.016	0.016	mg/kg	20041108
PCB-1242	EPA Method 8082	<0.016	0.016	mg/kg	20041108
PCB-1248	EPA Method 8082	<0.016	0.016	mg/kg	20041108
PCB-1254	EPA Method 8082	<0.016	0.016	mg/kg	20041108
PCB-1260	EPA Method 8082	<0.016	0.016	mg/kg	20041108
PCB-1262	EPA Method 8082	<0.016	0.016	mg/kg	20041108
PCB-1268	EPA Method 8082	<0.016	0.016	mg/kg	20041108
DCB (SURROGATE)	EPA Method 8081/8082	69.5		Percent	20041108
TCMX (SURROGATE)	EPA Method 8081/8082	98.5		Percent	20041108

AmeriSci Work Order #	20041100014	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / I-5 Hood		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

PQL = Minimum Practical Quantitation Limit.

Clifton J. Kiser, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.
This report shall not be reproduced, except in full, without the written approval of AmeriSci. No use of this report for promotional or advertising purpose is permitted without prior written AmeriSci approval.

AmeriSci Los Angeles
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

AmeriSci Work Order #:	20050400037	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans PCC Study		1360 Valley Vista Drive
Client Project #:			Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

Sample: 001 PCC-03005-S1 Former Sample 0411-014-02
Sampling Date: 20041101 Time: 12:09 Receive Date: 20050426 Time: 0:00
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
TCLP for Chromium Only					00000000
TCLP Extraction - Metals	EPA SW-846 Method 1311	4/26/05		DATE	20050426
Chromium, TCLP, ICP	ICP, SW-846 Method 6010B	<0.01	0.01	mg/L	20050428

PQL = Minimum Practical Quantitation Limit.

Clifton J. Kiser, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.
This report shall not be reproduced, except in full, without the written approval of AmeriSci. No use of this report for promotional or advertising purpose is permitted without prior written AmeriSci approval.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411086 **Reported:** 11/17/04 15:50

Anions by EPA Method 300.0

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L1 (S411086-01) Water Sampled: 11/01/04 11:58 Received: 11/02/04 13:30									
Nitrate as N	**5.4**	1.0	mg/l	10	4K05036	11/03/04	11/04/04 02:07	EPA 300.0	HT-04
Nitrite as N	ND	1.0	"	"	"	"	"	"	HT-04

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411086 **Reported:** 11/17/04 15:50

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L1 (S411086-01) Water Sampled: 11/01/04 11:58 Received: 11/02/04 13:30									
Hexavalent Chromium	**0.014**	0.0050	mg/l	1	4110230	11/02/04 15:35	11/02/04	EPA 7196A	HT-04

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411086 **Reported:** 11/17/04 15:50

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L1 (S411086-01) Water Sampled: 11/01/04 11:58 Received: 11/02/04 13:30									
pH	**11.1**	1.00	pH Units	1	4110113	11/02/04 13:20	11/02/04	EPA 150.1	HT-05

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411086 **Reported:** 11/17/04 15:50

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4K05036 - General Preparation / EPA 300.0										
Blank (4K05036-BLK1)				Prepared & Analyzed: 11/03/04						
Nitrate as N	ND	0.10	mg/l							
Nitrite as N	ND	0.10	"							
Laboratory Control Sample (4K05036-BS1)				Prepared & Analyzed: 11/03/04						
Nitrate as N	2.22	0.10	mg/l	2.26		98	90-110			
Nitrite as N	1.34	0.10	"	1.52		88	90-110			QL02
Matrix Spike (4K05036-MS1)	**Source: MNK0207-01**			Prepared & Analyzed: 11/03/04						
Nitrate as N	261	10	mg/l	226	36	100	84-122			
Nitrite as N	138	10	"	152	ND	91	83-119			
Matrix Spike Dup (4K05036-MSD1)	**Source: MNK0207-01**			Prepared & Analyzed: 11/03/04						
Nitrate as N	266	10	mg/l	226	36	102	84-122	2	10	
Nitrite as N	140	10	"	152	ND	92	83-119	1	10	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411086 **Reported:** 11/17/04 15:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110230 - General Preparation / EPA 7196A										
Blank (4110230-BLK1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	ND	0.0050	mg/l							
Laboratory Control Sample (4110230-BS1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0486	0.0050	mg/l	0.0500		97	85-115			
Matrix Spike (4110230-MS1)	**Source: S411061-01**			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115			
Matrix Spike Dup (4110230-MSD1)	**Source: S411061-01**			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115	0	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates	Project:PCC Study	S411086
1360 Valley Vista Drive	Project Number:[none]	**Reported:**
Diamond Bar CA, 91765	Project Manager:Greg Acosta	11/17/04 15:50

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110113 - General Preparation / EPA 150.1										
Duplicate (4110113-DUP1)	**Source: S411054-04**			Prepared & Analyzed: 11/02/04						
pH	7.35	1.00	pH Units		7.36			0.1	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411086 **Reported:** 11/17/04 15:50

Notes and Definitions

HT-04	This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
HT-05	This sample was requested to be analyzed beyond the EPA recommended holding time. The results may be useful for their intended purpose.
QL02	The LCS recovery was below the control limit by 2%. This should be considered in evaluating the results associated with this batch for their intended purpose.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

2004 11 00014

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Advanced Technology Labs (5153)
ATTN: Rachelle
3275 Walnut Street
Signal Hill, CA 90807

LAB REQUEST 139941
REPORTED 11/15/2004
RECEIVED 11/05/2004

PROJECT P.O. #110504SCI

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
571509	072145-001A/11-014-01

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

(for)

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 571509
Matrix: WATER
Date Sampled: 11/01/2004
Time Sampled: 11:58
Sampled By:

Client: Advanced Technology Labs
Client Sample ID: 072145-001A/11-014-01

Analyte	Result	DF	DLR	Units	Date/Analyst	
600/4-85/013 Fish Bioassay - Adult						
Fish Bioassay	> 750	1		mg/L	11/06/04	QP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report

TOXICITY BIOASSAY

ASSOCIATED LABORATORIES

Lab No. LR139941

Date Received: 11/05/04
Date Reported: 11/15/04

Bioassay Type
Static X *Continuous* ____
Screening X *Definitive* ____

Report To: Advanced Technology Labs
Attn: Rachelle
3275 Walnut Street
Signal Hill, CA 90807

Sample Description: Liquid - 072145-001A/11-014-01 - Date Collected 11/01/04 @ 11:58 Hrs.

Test Organism: Pimephales Promelas — Source: Thomas Fish Farm — Acclimatization: 10 Days @ 20 deg. C
Aquaria Volume: 10 liters — Aquaria Depth: 5.0 inches — No. Fish/Concentration: 10 — Total Chlorine Residual: N/D — Sample Conductivity: 230 umhos/cm
Organism Characteristics - Length (mm) Min: 28 mm Max: 34 mm Avg: 31 mm — Weight (gm) Min: 0.51 gm Max: 0.57 gm Avg: 0.54 gm
Dilution Water - Source: Soft Water — Hardness - Initial: 44 mg/l Final: 65 mg/l — Alkalinity - Initial: 32 mg/l Final: 42 mg/l
Aeration: Air — Control Hardness Initial: 42 mg/l Final: 53 mg/l — Control Alkalinity Initial: 32 mg/l Final: 37 mg/l — Control Conductivity: 200 umhos/cm

Bioassay Conditions	Date Time	Control		Dilution											
				750 mg/l		500 mg/l		250 mg/l		750 mg/l		500 mg/l		250 mg/l	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Organisms Surviving	11/06	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	11/07	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	11/08	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	11/09	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	11/10	10	100	10	100	10	100	10	100	10	100	10	100	10	100
Dissolved Oxygen mg/l	11:10	6.4		6.2		6.2		6.2		6.2		6.2		6.2	
	10:50	7.6		6.9		7.4		7.0		6.9		7.4		7.0	
	10:30	7.2		7.2		7.0		7.3		7.2		7.0		7.3	
	10:10	7.7		7.4		7.5		7.1		7.4		7.5		7.1	
	11:30	7.3		7.0		7.3		6.9		7.0		7.3		6.9	
pH	Start	7.0	20°C	7.6	20°C	7.6	20°C	7.5	20°C	7.6	20°C	7.6	20°C	7.5	20°C
	24 Hr	7.1	20°C	7.5	20°C	7.5	20°C	7.4	20°C	7.5	20°C	7.5	20°C	7.4	20°C
	48 Hr	7.2	20°C	7.5	20°C	7.4	20°C	7.4	20°C	7.5	20°C	7.4	20°C	7.4	20°C
	72 Hr	7.2	20°C	7.4	20°C	7.4	20°C	7.3	20°C	7.4	20°C	7.4	20°C	7.3	20°C
Temp	96 Hr	7.2	20°C	7.4	20°C	7.4	20°C	7.3	20°C	7.4	20°C	7.4	20°C	7.3	20°C

Results - LC_{50} = >750 mg/l
>750 mg/l

Method of Calculations N/A
95% Confidence Limits N/A
LC_{50} Method N/A

Observation/Remarks: An LC50 >500mg/l = Non Hazardous, Method - Policini & Miller 1985
An LC50 <500mg/l = Hazardous
Per California Administrative Code, Title 22, 66696

Laboratory Supervisor

806 North Batavia - Orange, California 92868 - 714/771-6900

AmeriSci Los Angeles
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

AmeriSci Work Order # 20041100016
Project Name: Caltrans
Client Project #: PCC Study / Analysis
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Sample: 001 PCC-03-005-L2
Sampling Date: 20041102 Time: 13:05 Receive Date: 20041104 Time: 10:15
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041110
Silver, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Arsenic, Water	ICP, EPA Method 200.7	0.31	0.050	mg/L	20041110
Barium, Water	ICP, EPA Method 200.7	6.1	0.015	mg/L	20041110
Beryllium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Cadmium, Water	ICP, EPA Method 200.7	0.019	0.015	mg/L	20041110
Cobalt, Water	ICP, EPA Method 200.7	0.81	0.015	mg/L	20041110
Chromium, Water	ICP, EPA Method 200.7	2.3	0.015	mg/L	20041110
Copper, Water	ICP, EPA Method 200.7	2.8	0.025	mg/L	20041110
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	0.004	0.001	mg/L	20041110
Molybdenum, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Nickel, Water	ICP, EPA Method 200.7	1.6	0.025	mg/L	20041110
Lead, Water, ICP	ICP, EPA Method 200.7	0.43	0.025	mg/L	20041110
Antimony, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Selenium, Water	ICP, EPA Method 200.7	0.20	0.050	mg/L	20041110
Thallium, Water	ICP, EPA Method 200.7	<0.075	0.075	mg/L	20041110
Vanadium, Water	ICP, EPA Method 200.7	3.4	0.015	mg/L	20041110
Zinc, Water	ICP, EPA Method 200.7	2.5	0.050	mg/L	20041110
Aqueous Extraction, HCL	SW-846 3010	11/09/2004		DATE	20041110
Mercury water prep.	EPA Methods 245.1	11/10/2004		DATE	20041110
Total Dissolved Solids	EPA Method 160.1	870	10	mg/L	20041108
Hardness	2340B, Calculation Ca/Mg	520	5.0	mg/L	20041110
Alkalinity	EPA Method 2320B	2400	5.0	mg/L	20041105
Oil & Grease, Gravimetric	EPA Method 1664, AQ	<4.0	4.0	mg/L	20041115
Aqueous, EPA 8260B/5030B					20041106
Dibromofluromethane (SU)	EPA Method 8260B	12		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	104		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	106		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041106

Bromomethane	EPA Method 8260B	<25	25	ug/L	20041106
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Acetone	EPA Method 8260B	<50	50	ug/L	20041106
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041106
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041106
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041106
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041106
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloroform	EPA Method 8260B	12	5	ug/L	20041106
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041106
Benzene	EPA Method 8260B	<5	5	ug/L	20041106
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041106
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041106
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Toluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041106
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106

Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromoform	EPA Method 8260B	<5	5	ug/L	20041106
Styrene	EPA Method 8260B	<5	5	ug/L	20041106
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	190	5	ug/L	20041106
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041106
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041107
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041107
8270 BNA, Aqueous					20041109
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	99.7		Percent	20041109
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	77.7		Percent	20041109
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	48.2		Percent	20041109
Phenol-d5 (Surr)	EPA 8270C, GC/MS	34.0		Percent	20041109
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	77.7		Percent	20041109
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	76.2		Percent	20041109
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	82.6		Percent	20041109
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	85.1		Percent	20041109
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<13	13	ug/L	20041109
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109

2,4-Dichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Chloronaphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Chlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2-MethylNaphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2-Nitroaniline	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
2-Nitrophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
3-Nitroaniline	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
4-Chloroaniline	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
4-Nitroaniline	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
4-Nitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
Acenapthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Acenaphthylene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzidine	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
Benzo(a)anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(a)pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzoic Acid	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
Benzyl Alcohol	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Chrysene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Di-n-butylphthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Dibenzofuran	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Diethyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109

AmeriSci Work Order # 20041100016
Project Name: Caltrans
Client Project #: PCC Study / Analysis
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Dimethyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Fluorene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachlorobutadiene	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachloroethane	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Isophorone	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Naphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Nitrobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Pentachlorophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
Phenanthrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Phenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
Pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109

Sample: 002 PCC-03-005-S2
Sampling Date: 20041102 Time: 13:05 Receive Date: 20041104 Time: 10:15
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
pH, Soil or Solid	EPA Method 150.1/9045	10.7		Unit	20041122
Title 22 Metals, Solid					20041110
Silver, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Arsenic, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Barium, Solid	ICP, SW-846 Method 6010B	28	20	mg/kg	20041110
Beryllium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Cadmium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Cobalt, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Chromium, Solid	ICP, SW-846 Method 6010B	25	20	mg/kg	20041110
Copper, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041111
Molybdenum, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Nickel, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Lead, Solid	ICP, EPA SW-846 6010B	<20	20	mg/kg	20041110
Antimony, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Selenium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Thallium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Vanadium, Solid	ICP, SW-846 Method 6010B	29	20	mg/kg	20041110
Zinc, Solid	ICP, SW-846 Method 6010B	22	20	mg/kg	20041110
Solid Extraction, HCL	SW-846, 3050	11/09/2004		DATE	20041110

Boston - Los Angeles - New York - Richmond
www.amerisci.com

AmeriSci Work Order # 20041100016
Project Name: Caltrans
Client Project #: PCC Study / Analysis
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Mercury solid prep	Mercury Solid Prep	11/10/2004		DATE	20041110
Chromium Hexavalent	EPA SW-846 7196A	1.3	0.2	mg/kg	20041122
Oil & Grease, Gravimetric	EPA Method 1664, Solid	50	50	mg/kg	20041106
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041107
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20041107
Solid, 8260B/5030B					20041106
Dibromofluromethane (SU)	EPA Method 8260B	14		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	106		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	100		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041106
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041106
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041106
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041106

AmeriSci Work Order # 20041100016
Project Name: Caltrans
Client Project #: PCC Study / Analysis
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	0.028	0.01	mg/kg	20041106
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
8270 BNA, Solid					20041105
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	42.8		Percent	20041105
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	75.3		Percent	20041105
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	76.8		Percent	20041105
Phenol-d5 (Surr)	EPA 8270C, GC/MS	79.5		Percent	20041105

1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	63.2		Percent	20041105
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	72.1		Percent	20041105
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	88.0		Percent	20041105
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	70.1		Percent	20041105
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20041105
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105

bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105

AmeriSci Work Order #	20041100016	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / Analysis		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

PQL = Minimum Practical Quantitation Limit.

Clifton J. Kiser, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.
This report shall not be reproduced, except in full, without the written approval of AmeriSci. No use of this report for promotional or advertising purpose is permitted without prior written AmeriSci approval.

Boston - Los Angeles - New York - Richmond
www.amerisci.com

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411087 **Reported:** 11/17/04 15:53

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L2 (S411087-01) Water Sampled: 11/02/04 00:00 Received: 11/02/04 13:30									
Hexavalent Chromium	**0.10**	0.050	mg/l	10	4110230	11/02/04 15:35	11/02/04	EPA 7196A	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411087 **Reported:** 11/17/04 15:53

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L2 (S411087-01) Water Sampled: 11/02/04 00:00 Received: 11/02/04 13:30									
pH	**11.0**	1.00	pH Units	1	4110113	11/02/04 16:45	11/02/04	EPA 150.1	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411087 **Reported:** 11/17/04 15:53

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110230 - General Preparation / EPA 7196A										
Blank (4110230-BLK1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	ND	0.0050	mg/l							
Laboratory Control Sample (4110230-BS1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0486	0.0050	mg/l	0.0500		97	85-115			
Matrix Spike (4110230-MS1)	**Source: S411061-01**			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115			
Matrix Spike Dup (4110230-MSD1)	**Source: S411061-01**			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115	0	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411087 **Reported:** 11/17/04 15:53

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110113 - General Preparation / EPA 150.1										
Duplicate (4110113-DUP1)	**Source: S411054-04**			Prepared & Analyzed: 11/02/04						
pH	7.35	1.00	pH Units		7.36			0.1	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411087 **Reported:** 11/17/04 15:53

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

AmeriSci Los Angeles
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

AmeriSci Work Order # 20041100017
Project Name: Caltrans
Client Project #: PCC Study / Analysis
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Sample: 001 PCC-03-005-L3
Sampling Date: 20041102 Time: 2:42 Receive Date: 20041104 Time: 10:15
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041110
Silver, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Arsenic, Water	ICP, EPA Method 200.7	0.61	0.050	mg/L	20041110
Barium, Water	ICP, EPA Method 200.7	11	0.015	mg/L	20041110
Beryllium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Cadmium, Water	ICP, EPA Method 200.7	0.031	0.015	mg/L	20041110
Cobalt, Water	ICP, EPA Method 200.7	1.1	0.015	mg/L	20041110
Chromium, Water	ICP, EPA Method 200.7	3.4	0.015	mg/L	20041110
Copper, Water	ICP, EPA Method 200.7	3.7	0.025	mg/L	20041110
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	0.004	0.001	mg/L	20041110
Molybdenum, Water	ICP, EPA Method 200.7	0.033	0.025	mg/L	20041110
Nickel, Water	ICP, EPA Method 200.7	2.4	0.025	mg/L	20041110
Lead, Water, ICP	ICP, EPA Method 200.7	0.59	0.025	mg/L	20041110
Antimony, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Selenium, Water	ICP, EPA Method 200.7	0.18	0.050	mg/L	20041110
Thallium, Water	ICP, EPA Method 200.7	<0.075	0.075	mg/L	20041110
Vanadium, Water	ICP, EPA Method 200.7	5.0	0.015	mg/L	20041110
Zinc, Water	ICP, EPA Method 200.7	4.2	0.050	mg/L	20041110
Aqueous Extraction, HCL	SW-846 3010	11/09/2004		DATE	20041110
Mercury water prep.	EPA Methods 245.1	11/09/2004		DATE	20041110
Total Dissolved Solids	EPA Method 160.1	840	10	mg/L	20041108
Hardness	2340B, Calculation Ca/Mg	420	5.0	mg/L	20041110
Alkalinity	EPA Method 2320B	9600	5.0	mg/L	20041105
Oil & Grease, Gravimetric	EPA Method 1664, AQ	<4.0	4.0	mg/L	20041115
Aqueous, EPA 8260B/5030B					20041106
Dibromoflurometh ane (SU)	EPA Method 8260B	22		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	110		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	100		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041106

Bromomethane	EPA Method 8260B	<25	25	ug/L	20041106
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Acetone	EPA Method 8260B	<50	50	ug/L	20041106
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041106
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041106
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041106
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041106
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloroform	EPA Method 8260B	<5	5	ug/L	20041106
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041106
Benzene	EPA Method 8260B	<5	5	ug/L	20041106
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041106
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041106
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Toluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041106
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106

Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromoform	EPA Method 8260B	<5	5	ug/L	20041106
Styrene	EPA Method 8260B	<5	5	ug/L	20041106
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	46	5	ug/L	20041106
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041106
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041107
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041107
8270 BNA, Aqueous					20041109
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	85.3		Percent	20041109
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	67.3		Percent	20041109
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	40.6		Percent	20041109
Phenol-d5 (Surr)	EPA 8270C, GC/MS	32.4		Percent	20041109
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	67.8		Percent	20041109
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	65.3		Percent	20041109
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	73.8		Percent	20041109
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	75.5		Percent	20041109
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<13	13	ug/L	20041109
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109

2,4-Dichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Chloronaphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Chlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2-MethylNaphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2-Nitroaniline	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
2-Nitrophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
3-Nitroaniline	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
4-Chloroaniline	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
4-Nitroaniline	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
4-Nitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
Acenapthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Acenaphthylene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzidine	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
Benzo(a)anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(a)pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzoic Acid	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
Benzyl Alcohol	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Chrysene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Di-n-butylphthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Dibenzofuran	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Diethyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109

Dimethyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Fluorene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachlorobutadiene	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachloroethane	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Isophorone	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Naphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Nitrobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Pentachlorophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
Phenanthrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Phenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
Pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109

Sample: 002 PCC-03-005-S3
Sampling Date: 20041102 Time: 2:42 Receive Date: 20041104 Time: 10:15
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
pH, Soil or Solid	EPA Method 150.1/9045	10.9		Unit	20041122
Title 22 Metals, Solid					20041111
Silver, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041111
Arsenic, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041111
Barium, Solid	ICP, SW-846 Method 6010B	34	1.0	mg/kg	20041111
Beryllium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041111
Cadmium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041111
Cobalt, Solid	ICP, SW-846 Method 6010B	4.2	1.0	mg/kg	20041111
Chromium, Solid	ICP, SW-846 Method 6010B	21	1.0	mg/kg	20041111
Copper, Solid	ICP, SW-846 Method 6010B	30	1.0	mg/kg	20041111
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041111
Molybdenum, Solid	ICP, SW-846 Method 6010B	2.3	1.0	mg/kg	20041111
Nickel, Solid	ICP, SW-846 Method 6010B	13	1.0	mg/kg	20041111
Lead, Solid	ICP, EPA SW-846 6010B	4.3	1.0	mg/kg	20041111
Antimony, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041111
Selenium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041111
Thallium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041111
Vanadium, Solid	ICP, SW-846 Method 6010B	24	1.0	mg/kg	20041111
Zinc, Solid	ICP, SW-846 Method 6010B	36	1.0	mg/kg	20041111
Solid Extraction, HCL	SW-846, 3050	11/10/2004		DATE	20041111

AmeriSci Work Order #	20041100017	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / Analysis		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

Mercury solid prep	Mercury Solid Prep	11/10/2004		DATE	20041111
Chromium Hexavalent	EPA SW-846 7196A	0.80	0.2	mg/kg	20041122
Oil & Grease, Gravimetric	EPA Method 1664, Solid	170	50	mg/kg	20041106
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041107
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20041107
Solid, 8260B/5030B					20041106
Dibromofluromethane (SU)	EPA Method 8260B	8		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	106		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	100		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041106
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041106
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041106
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041106

cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
8270 BNA, Solid					20041105
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	42.3		Percent	20041105
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	71.6		Percent	20041105
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	72.5		Percent	20041105
Phenol-d5 (Surr)	EPA 8270C, GC/MS	75.6		Percent	20041105

1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	60.8		Percent	20041105
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	70.3		Percent	20041105
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	84.1		Percent	20041105
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	66.3		Percent	20041105
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20041105
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105

bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105

AmeriSci Work Order #	20041100017	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / Analysis		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

PQL = Minimum Practical Quantitation Limit.

Clifton J. Kiser, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.
This report shall not be reproduced, except in full, without the written approval of AmeriSci. No use of this report for promotional or advertising purpose is permitted without prior written AmeriSci approval.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411085 **Reported:** 11/17/04 15:42

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L3 (S411085-01) Water Sampled: 11/02/04 00:00 Received: 11/02/04 13:30									
Hexavalent Chromium	**0.17**	0.050	mg/l	10	4110230	11/02/04 15:35	11/02/04	EPA 7196A	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates	Project:PCC Study	S411085
1360 Valley Vista Drive	Project Number:[none]	**Reported:**
Diamond Bar CA, 91765	Project Manager:Greg Acosta	11/17/04 15:42

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L3 (S411085-01) Water Sampled: 11/02/04 00:00 Received: 11/02/04 13:30									
pH	**11.4**	1.00	pH Units	1	4110113	11/02/04 16:45	11/02/04	EPA 150.1	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411085 **Reported:** 11/17/04 15:42

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110230 - General Preparation / EPA 7196A										
Blank (4110230-BLK1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	ND	0.0050	mg/l							
Laboratory Control Sample (4110230-BS1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0486	0.0050	mg/l	0.0500		97	85-115			
Matrix Spike (4110230-MS1)	**Source: S411061-01**			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115			
Matrix Spike Dup (4110230-MSD1)	**Source: S411061-01**			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115	0	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411085 **Reported:** 11/17/04 15:42

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110113 - General Preparation / EPA 150.1										
Duplicate (4110113-DUP1)	**Source: S411054-04**			Prepared & Analyzed: 11/02/04						
pH	7.35	1.00	pH Units		7.36			0.1	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411085 **Reported:** 11/17/04 15:42

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

AmeriSci Los Angeles
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

AmeriSci Work Order # 20041100018
Project Name: Caltrans
Client Project #: PCC Study / Analysis
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Sample: 001 PCC-03-005-L4
Sampling Date: 20041102 Time: 3:38 Receive Date: 20041104 Time: 10:15
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041110
Silver, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Arsenic, Water	ICP, EPA Method 200.7	0.21	0.050	mg/L	20041110
Barium, Water	ICP, EPA Method 200.7	3.7	0.015	mg/L	20041110
Beryllium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Cadmium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Cobalt, Water	ICP, EPA Method 200.7	0.61	0.015	mg/L	20041110
Chromium, Water	ICP, EPA Method 200.7	1.4	0.015	mg/L	20041110
Copper, Water	ICP, EPA Method 200.7	1.7	0.025	mg/L	20041110
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	<0.001	0.001	mg/L	20041110
Molybdenum, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Nickel, Water	ICP, EPA Method 200.7	1.2	0.025	mg/L	20041110
Lead, Water, ICP	ICP, EPA Method 200.7	0.24	0.025	mg/L	20041110
Antimony, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Selenium, Water	ICP, EPA Method 200.7	0.16	0.050	mg/L	20041110
Thallium, Water	ICP, EPA Method 200.7	<0.075	0.075	mg/L	20041110
Vanadium, Water	ICP, EPA Method 200.7	2.1	0.015	mg/L	20041110
Zinc, Water	ICP, EPA Method 200.7	1.6	0.050	mg/L	20041110
Aqueous Extraction, HCL	SW-846 3010	11/09/2004		DATE	20041110
Mercury water prep.	EPA Methods 245.1	11/09/2004		DATE	20041110
Total Dissolved Solids	EPA Method 160.1	810	10	mg/L	20041108
Hardness	2340B, Calculation Ca/Mg	460	5.0	mg/L	20041110
Alkalinity	EPA Method 2320B	3500	500	mg/L	20041110
Oil & Grease, Gravimetric	EPA Method 1664, AQ	<4.0	4.0	mg/L	20041115
Aqueous, EPA 8260B/5030B					20041106
Dibromofluromethane (SU)	EPA Method 8260B	16		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	110		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	102		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041106

Bromomethane	EPA Method 8260B	<25	25	ug/L	20041106
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Acetone	EPA Method 8260B	<50	50	ug/L	20041106
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041106
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041106
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041106
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041106
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloroform	EPA Method 8260B	9.4	5	ug/L	20041106
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041106
Benzene	EPA Method 8260B	<5	5	ug/L	20041106
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041106
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041106
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Toluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041106
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106

Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromoform	EPA Method 8260B	<5	5	ug/L	20041106
Styrene	EPA Method 8260B	<5	5	ug/L	20041106
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	200	5	ug/L	20041106
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041106
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041107
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041107
8270 BNA, Aqueous					20041109
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	89.6		Percent	20041109
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	71.1		Percent	20041109
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	42.1		Percent	20041109
Phenol-d5 (Surr)	EPA 8270C, GC/MS	29.5		Percent	20041109
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	72.3		Percent	20041109
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	69.2		Percent	20041109
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	73.2		Percent	20041109
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	77.7		Percent	20041109
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<20	20	ug/L	20041109
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<20	20	ug/L	20041109
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<20	20	ug/L	20041109

2,4-Dichlorophenol	EPA 8270 Acid, AQ	<20	20	ug/L	20041109
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<20	20	ug/L	20041109
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<100	100	ug/L	20041109
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
2-Chloronaphthalene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
2-Chlorophenol	EPA 8270 Acid, AQ	<20	20	ug/L	20041109
2-MethylNaphthalene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<20	20	ug/L	20041109
2-Nitroaniline	EPA 8270 B/N, AQ	<100	100	ug/L	20041109
2-Nitrophenol	EPA 8270 Acid, AQ	<20	20	ug/L	20041109
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<40	40	ug/L	20041109
3-Nitroaniline	EPA 8270 B/N, AQ	<100	100	ug/L	20041109
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<100	100	ug/L	20041109
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<100	100	ug/L	20041109
4-Chloroaniline	EPA 8270 B/N, AQ	<40	40	ug/L	20041109
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<20	20	ug/L	20041109
4-Nitroaniline	EPA 8270 B/N, AQ	<40	40	ug/L	20041109
4-Nitrophenol	EPA 8270 Acid, AQ	<100	100	ug/L	20041109
Acenapthene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Acenaphthylene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Anthracene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Benzidine	EPA 8270 B/N, AQ	<100	100	ug/L	20041109
Benzo(a)anthracene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Benzo(a)pyrene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Benzoic Acid	EPA 8270 B/N, AQ	<100	100	ug/L	20041109
Benzyl Alcohol	EPA 8270 B/N, AQ	<40	40	ug/L	20041109
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Chrysene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Di-n-butylphthalate	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Dibenzofuran	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Diethyl Phthalate	EPA 8270 B/N, AQ	<20	20	ug/L	20041109

AmeriSci Work Order # 20041100018
Project Name: Caltrans
Client Project #: PCC Study / Analysis
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Dimethyl Phthalate	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Fluoranthene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Fluorene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Hexachlorobenzene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Hexachlorobutadiene	EPA 8270 B/N, AQ	<40	40	ug/L	20041109
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Hexachloroethane	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Isophorone	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Naphthalene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Nitrobenzene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Pentachlorophenol	EPA 8270 Acid, AQ	<100	100	ug/L	20041109
Phenanthrene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109
Phenol	EPA 8270 Acid, AQ	<20	20	ug/L	20041109
Pyrene	EPA 8270 B/N, AQ	<20	20	ug/L	20041109

Sample: 002 PCC-03-005-S4
Sampling Date: 20041102 Time: 3:38 Receive Date: 20041104 Time: 10:15
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
pH, Soil or Solid	EPA Method 150.1/9045	11.1		Unit	20041122
Title 22 Metals, Solid					20041110
Silver, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Arsenic, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Barium, Solid	ICP, SW-846 Method 6010B	62	20	mg/kg	20041110
Beryllium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Cadmium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Cobalt, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Chromium, Solid	ICP, SW-846 Method 6010B	30	20	mg/kg	20041110
Copper, Solid	ICP, SW-846 Method 6010B	33	20	mg/kg	20041110
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041110
Molybdenum, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Nickel, Solid	ICP, SW-846 Method 6010B	23	20	mg/kg	20041110
Lead, Solid	ICP, EPA SW-846 6010B	<20	20	mg/kg	20041110
Antimony, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Selenium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Thallium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Vanadium, Solid	ICP, SW-846 Method 6010B	39	20	mg/kg	20041110
Zinc, Solid	ICP, SW-846 Method 6010B	33	20	mg/kg	20041110
Solid Extraction, HCL	SW-846, 3050	11/09/2004		DATE	20041110

Boston - Los Angeles - New York - Richmond
www.amerisci.com

AmeriSci Work Order #	20041100018	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / Analysis		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

Mercury solid prep	Mercury Solid Prep	11/10/2004		DATE	20041110
Chromium Hexavalent	EPA SW-846 7196A	0.40	0.2	mg/kg	20041122
Oil & Grease, Gravimetric	EPA Method 1664, Solid	180	50	mg/kg	20041116
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041107
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20041107
Solid, 8260B/5030B					20041106
Dibromofluromethane (SU)	EPA Method 8260B	5.4		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	108		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	98		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041106
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041106
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041106
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041106

Boston - Los Angeles - New York - Richmond
www.amerisci.com

cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	0.380	0.01	mg/kg	20041106
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
8270 BNA, Solid					20041105
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	48.2		Percent	20041105
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	70.4		Percent	20041105
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	66.8		Percent	20041105
Phenol-d5 (Surr)	EPA 8270C, GC/MS	73.6		Percent	20041105

1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	58.0		Percent	20041105
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	69.7		Percent	20041105
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	76.4		Percent	20041105
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	63.9		Percent	20041105
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20041105
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105

AmeriSci Work Order #	20041100018	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / Analysis		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105

AmeriSci Work Order #	20041100018	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / Analysis		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

PQL = Minimum Practical Quantitation Limit.

Clifton J. Kiser, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.
This report shall not be reproduced, except in full, without the written approval of AmeriSci. No use of this report for promotional or advertising purpose is permitted without prior written AmeriSci approval.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411082 **Reported:** 11/17/04 15:47

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03-005 L4 (S411082-01) Water Sampled: 11/02/04 00:00 Received: 11/02/04 13:30									
Hexavalent Chromium	**0.19**	0.050	mg/l	10	4110230	11/02/04 15:35	11/02/04	EPA 7196A	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411082 **Reported:** 11/17/04 15:47

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03-005 L4 (S411082-01) Water Sampled: 11/02/04 00:00 Received: 11/02/04 13:30									
pH	**11.3**	1.00	pH Units	1	4110113	11/02/04 16:45	11/02/04	EPA 150.1	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411082 **Reported:** 11/17/04 15:47

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110230 - General Preparation / EPA 7196A										
Blank (4110230-BLK1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	ND	0.0050	mg/l							
Laboratory Control Sample (4110230-BS1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0486	0.0050	mg/l	0.0500		97	85-115			
Matrix Spike (4110230-MS1)	Source: S411061-01			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115			
Matrix Spike Dup (4110230-MSD1)	Source: S411061-01			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115	0	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411082 **Reported:** 11/17/04 15:47

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110113 - General Preparation / EPA 150.1										
Duplicate (4110113-DUP1)	**Source: S411054-04**			Prepared & Analyzed: 11/02/04						
pH	7.35	1.00	pH Units		7.36			0.1	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411082 **Reported:** 11/17/04 15:47

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

AmeriSci Los Angeles
24416 South Main Street, Suite 308
Carson, California 90745
Tel: (310) 834-4868 Fax: (310) 834-4772

AmeriSci Work Order # 20041100019
Project Name: Caltrans
Client Project #: PCC Study / Analysis
Job Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: Bryan A. Stirrat & Associates
1360 Valley Vista Drive
Diamond Bar, CA 91765

Attention: Mr. Greg Acosta
Tel #: 909-860-7777
Fax #: 909-396-1768

Sample: 001 PCC-03-005-L5
Sampling Date: 20041102 Time: 4:18 Receive Date: 20041104 Time: 10:15
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041110
Silver, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Arsenic, Water	ICP, EPA Method 200.7	0.25	0.050	mg/L	20041110
Barium, Water	ICP, EPA Method 200.7	4.9	0.015	mg/L	20041110
Beryllium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Cadmium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041110
Cobalt, Water	ICP, EPA Method 200.7	0.60	0.015	mg/L	20041110
Chromium, Water	ICP, EPA Method 200.7	1.9	0.015	mg/L	20041110
Copper, Water	ICP, EPA Method 200.7	1.9	0.025	mg/L	20041110
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	<0.001	0.001	mg/L	20041110
Molybdenum, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Nickel, Water	ICP, EPA Method 200.7	1.2	0.025	mg/L	20041110
Lead, Water, ICP	ICP, EPA Method 200.7	0.33	0.025	mg/L	20041110
Antimony, Water	ICP, EPA Method 200.7	<0.025	0.025	mg/L	20041110
Selenium, Water	ICP, EPA Method 200.7	0.18	0.050	mg/L	20041110
Thallium, Water	ICP, EPA Method 200.7	<0.075	0.075	mg/L	20041110
Vanadium, Water	ICP, EPA Method 200.7	2.8	0.015	mg/L	20041110
Zinc, Water	ICP, EPA Method 200.7	1.8	0.050	mg/L	20041110
Aqueous Extraction, HCL	SW-846 3010	11/09/2004		DATE	20041110
Mercury water prep.	EPA Methods 245.1	11/09/2004		DATE	20041110
Total Dissolved Solids	EPA Method 160.1	830	10	mg/L	20041108
Hardness	2340B, Calculation Ca/Mg	480	5.0	mg/L	20041110
Alkalinity	EPA Method 2320B	4200	500	mg/L	20041110
Oil & Grease, Gravimetric	EPA Method 1664, AQ	<4.0	4.0	mg/L	20041115
Aqueous, EPA 8260B/5030B					20041106
Dibromofluromethane (SU)	EPA Method 8260B	12		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	106		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	102		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041106

Bromomethane	EPA Method 8260B	<25	25	ug/L	20041106
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041106
Acetone	EPA Method 8260B	<50	50	ug/L	20041106
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041106
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041106
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041106
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041106
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
Chloroform	EPA Method 8260B	8.0	5	ug/L	20041106
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041106
Benzene	EPA Method 8260B	<5	5	ug/L	20041106
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041106
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041106
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041106
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Toluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041106
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041106
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106

Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
Bromoform	EPA Method 8260B	<5	5	ug/L	20041106
Styrene	EPA Method 8260B	<5	5	ug/L	20041106
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041106
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	180	5	ug/L	20041106
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041106
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041106
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041107
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041107
8270 BNA, Aqueous					20041109
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	94.7		Percent	20041109
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	74.7		Percent	20041109
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	48.4		Percent	20041109
Phenol-d5 (Surr)	EPA 8270C, GC/MS	35.8		Percent	20041109
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	72.7		Percent	20041109
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	70.4		Percent	20041109
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	78.1		Percent	20041109
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	80.7		Percent	20041109
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<13	13	ug/L	20041109
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109

2,4-Dichlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Chloronaphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Chlorophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2-MethylNaphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
2-Nitroaniline	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
2-Nitrophenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
3-Nitroaniline	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
4-Chloroaniline	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
2&4-Methylphenol(m&p-Cres(	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
4-Nitroaniline	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
4-Nitrophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
Acenapthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Acenaphthylene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzidine	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
Benzo(a)anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(a)pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Benzoic Acid	EPA 8270 B/N, AQ	<65	65	ug/L	20041109
Benzyl Alcohol	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Chrysene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Di-n-butylphthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Dibenzofuran	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Diethyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109

Dimethyl Phthalate	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Fluoranthene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Fluorene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachlorobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachlorobutadiene	EPA 8270 B/N, AQ	<26	26	ug/L	20041109
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Hexachloroethane	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Isophorone	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Naphthalene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Nitrobenzene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Pentachlorophenol	EPA 8270 Acid, AQ	<65	65	ug/L	20041109
Phenanthrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109
Phenol	EPA 8270 Acid, AQ	<13	13	ug/L	20041109
Pyrene	EPA 8270 B/N, AQ	<13	13	ug/L	20041109

Sample: 002 PCC-03-005-S5
Sampling Date: 20041102 Time: 4:18 Receive Date: 20041104 Time: 10:15
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
pH, Soil or Solid	EPA Method 150.1/9045	11.0		Unit	20041122
Title 22 Metals, Solid					20041110
Silver, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Arsenic, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Barium, Solid	ICP, SW-846 Method 6010B	41	20	mg/kg	20041110
Beryllium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Cadmium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Cobalt, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Chromium, Solid	ICP, SW-846 Method 6010B	24	20	mg/kg	20041110
Copper, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041110
Molybdenum, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Nickel, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Lead, Solid	ICP, EPA SW-846 6010B	<20	20	mg/kg	20041110
Antimony, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Selenium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Thallium, Solid	ICP, SW-846 Method 6010B	<20	20	mg/kg	20041110
Vanadium, Solid	ICP, SW-846 Method 6010B	35	20	mg/kg	20041110
Zinc, Solid	ICP, SW-846 Method 6010B	36	20	mg/kg	20041110
Solid Extraction, HCL	SW-846, 3050	11/09/2004		DATE	20041110

AmeriSci Work Order #	20041100019	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / Analysis		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

Mercury solid prep	Mercury Solid Prep	11/11/2004		DATE	20041110
Chromium Hexavalent	EPA SW-846 7196A	0.44	0.2	mg/kg	20041122
Oil & Grease, Gravimetric	EPA Method 1664, Solid	110	50	mg/kg	20041106
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041107
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20041107
Solid, 8260B/5030B					20041106
Dibromofluromethane (SU)	EPA Method 8260B	3.4		Percent	20041106
1,2-Dichloroethane (SU)	EPA Method 8260B	112		Percent	20041106
Toluene-d8 (SU)	EPA Method 8260B	50		Percent	20041106
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041106
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041106
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041106
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041106

cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041106
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,4-Trimethlybenzene	EPA Method 8260B	0.340	0.01	mg/kg	20041106
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041106
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041106
8270 BNA, Solid					20041105
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	49.5		Percent	20041105
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	76.6		Percent	20041105
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	75.8		Percent	20041105
Phenol-d5 (Surr)	EPA 8270C, GC/MS	79.7		Percent	20041105

1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	62.8		Percent	20041105
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	73.7		Percent	20041105
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	82.7		Percent	20041105
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	69.0		Percent	20041105
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20041105
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041105
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105

bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041105
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041105
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041105
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041105

AmeriSci Work Order #	20041100019	Customer:	Bryan A. Stirrat & Associates
Project Name:	Caltrans		1360 Valley Vista Drive
Client Project #:	PCC Study / Analysis		Diamond Bar, CA 91765
Job Location:			
Project Manager:		Attention:	Mr. Greg Acosta
Project Tel #:		Tel #:	909-860-7777
Project Fax #:		Fax #:	909-396-1768

PQL = Minimum Practical Quantitation Limit.

Clifton J. Kiser, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.
This report shall not be reproduced, except in full, without the written approval of AmeriSci. No use of this report for promotional or advertising purpose is permitted without prior written AmeriSci approval.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411079 **Reported:** 11/17/04 15:37

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L5 (S411079-01) Water Sampled: 11/02/04 00:00 Received: 11/02/04 13:30									
Hexavalent Chromium	**0.023**	0.0050	mg/l	1	4110230	11/02/04 15:35	11/02/04	EPA 7196A	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411079 **Reported:** 11/17/04 15:37

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PCC 03 005 L5 (S411079-01) Water Sampled: 11/02/04 00:00 Received: 11/02/04 13:30									
pH	**11.2**	1.00	pH Units	1	4110113	11/02/04 16:45	11/02/04	EPA 150.1	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411079 **Reported:** 11/17/04 15:37

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110230 - General Preparation / EPA 7196A										
Blank (4110230-BLK1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	ND	0.0050	mg/l							
Laboratory Control Sample (4110230-BS1)				Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0486	0.0050	mg/l	0.0500		97	85-115			
Matrix Spike (4110230-MS1)	**Source: S411061-01**			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115			
Matrix Spike Dup (4110230-MSD1)	**Source: S411061-01**			Prepared & Analyzed: 11/02/04						
Hexavalent Chromium	0.0474	0.0050	mg/l	0.0500	ND	95	85-115	0	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411079 **Reported:** 11/17/04 15:37

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4110113 - General Preparation / EPA 150.1										
Duplicate (4110113-DUP1)	**Source: S411054-04**			Prepared & Analyzed: 11/02/04						
pH	7.35	1.00	pH Units		7.36			0.1	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bryan A. Stirratt & Associates 1360 Valley Vista Drive Diamond Bar CA, 91765	Project:PCC Study Project Number:[none] Project Manager:Greg Acosta	S411079 **Reported:** 11/17/04 15:37

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

BAS

BRYAN A. STIRRAT & ASSOCIATES

CHAIN OF CUSTODY

Page ____ of ____

PROJECT INFORMATION

PROJECT NAME: I-5 & Hood - Franklin Ave PCC - Study Caltrans.

JOB NUMBER:

PROJECT MANAGER: DEVAL M SHAH.

LABORATORY: AmeriSci Los Angeles.

SHIPMENT METHOD: Red Bx.

TURNAROUND TIME: Standard.

PCC 03-005-L1 | S1

DISPOSAL: Lab Disposal [ ] Return [ ] Pick Up [ ]

BAS Sample I.D.	LAB I.D.	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	8260B, TPH-GRO-TOC	8270C, TPH-DRO/oil & grease	chrome VI, pH, nitrate, nitrite	Bioassay, TDS, Alkalinity	chloride, nitrate, nitrite	sulfate, TSS, Fluoride	phosphate, Total Phosphorus	sulfide	Oil & Grease 1664 M	Metals	Slurry / soil / paraffin	TOX, Phenols, COD	TRH Mod	Preservative	Notes
PCC03005-L1		11/1	11:57	A		X														
PCC03-005-L2		11/1	11:57	A-01			X	X												
PCC03-005-L1		11/1	11:57	A				X	X	X	X	X								
PCC03005L1		11/1	12:09	A									X							
PCC03005L1		11/1	12:09	A										X						
PCC03005L1		11/1	12:09	A											X					
PCC03005SA		11/1	12:09	S												X				
PCC03005SB		11/1	12:15	S												X				
PCC03005L1		11/1	12:15	—													X			
PCC03005L1		11/1		—																

Seg Sac Have

Revd Seg Sac 11.0°C

11/02/04 1330 CHEW

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Deval Shah	11/2/04	DEVAL SHAH
CHEW	11/2/04 1430	

SAMPLE CONDITION (Lab Initials)

Shipping Container:
Sealed ____
Sample(s):
Integrity ____
Chilled ____
Sealed ____

COMMENTS:

1360 Valley Vista Drive, Diamond Bar, CA 91765 (909) 860-7777 FAX (909) 860-8017

Original to accompany lab report Copy 1 – Lab Copy 2 – Originator

PCC 03-005-L2 / SA

AMERISCI

www.amerisci.com

AMERISCI LOS ANGELES
CHAIN OF CUSTODY RECORD

24416 S Main St, # 308, Carson, CA 90745
Phone (310)834-4868 Fax (310)834-4772

AMERISCI JOB NO:

PAGE ____ OF ____

DUE DATE:

☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 3 DAY ☐ 5 DAY ☐ 7 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: BAS & Associates.

ADDRESS: 1360 S. Valley Vista Dr. Diamond Bar CA.

PHONE: 909 860 7777 | FAX 1: 909 860 8017. | FAX 2:

CLIENT CONTACT: Ram Waters, Cal Trans. | EMAIL: dshah@bas.com

PROJECT NAME: PCC Study, Caltrans. | PROJECT NUMBER: | PROJECT STATE: CA.

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PHAT LOGIN	8260B, TPH-GRO	8270C, TPH-DRO/ORO	Chrome VI, pH.	TDS, Alkalinity	Oil & grease	Cam 17 Metals	Notes:
	PCC03 005 L2	A	40mL	V	4	11/2	1:05	PM	G	HCl		X						
	PCC03005 L2	A	1L	G	2					—			X					
-01	PCC03 005 L2	A	250mL	P	1					—				X				
	PCC 03 005 L2	A	1L	P.	1					—					X			
	PCC 03 005 L2	A	1L	G	1					HCl						X		
	PCC 03 005 L2	A	250 mL	P	1					NaOH							X	
	SPCC 03 005-SA	S	8oz	G.	2					—		X	X	X	X	X	X	X Solid
	2PCC 03 005-SB	S	"	G						—		X	X	X	X	X	X	X
																		Rec'd @ Sac 12.10.04

SAMPLED BY: (PRINT) DEVAL M. SHAH	DATE: 11/2/04	RECEIVED BY: (PRINT) RON CHEN	DATE: 11/2/04
(SIGN)	TIME: 1:05 AM	(SIGN) (sy-Sac)	TIME: 1330
RELINQUISHED BY: (PRINT) RON CHEN	DATE: 11/2/04	RECEIVED BY: (PRINT)	DATE:
(SIGN) (sy-Sac)	TIME: 1330	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME:

PCC-03005-L1 | SA.B. L5 # Hood Franklin Road

AMERISCI

www.amerisci.com

AMERISCI LOS ANGELES
CHAIN OF CUSTODY RECORD

24416 S Main St, # 308, Carson, CA 90745
Phone (310)834-4868 Fax (310)834-4772

AMERISCI JOB NO: | PAGE 1 OF 1

DUE DATE: ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 3 DAY ☐ 5 DAY ☐ 7 DAY | TEMP UPON RECEIPT:

DATA PACKAGE: | P.O.#

COMPANY: B.A.S. Associates

ADDRESS: 1360 S. Valley Vista Dr, Diamond Bar, CA

PHONE: 909 860 7777 | FAX 1: 909 860 8017 | FAX 2:

CLIENT CONTACT: Ron Waters, Cal Trans | EMAIL: dshah@bas.com

PROJECT NAME: PCC Study - Caltrans | PROJECT NUMBER: | PROJECT STATE: CA

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PHASE LOGIN	8260B	8270C, TPH GRO	TPH-DRO/ORO	Chrome VI, pH	TDS, Alkalinity	Oil & Grease	CAM 17 Metals	Solids, Slurry	Notes:
	PCC03005L3	A	40 ml	V	4	11/2	2:42 PM					X								
	PCC03005L3	A	1L	G	2								X							Seq. Sac have!!
-01	PCC03005L3	A	20	P	1									X						
	PCC03005L3	A	1L	P	1										X					
	PCC03005L3	A	1L	G												X				
	PCC03005L3	A	250 ml	P	1												X			
	PCC03005SA	S	8 oz	G	1							X	X	X	X	X	X	X		
	PCC03005SB	S	8 oz	G	1							X	X	X	X	X	X	X		
																				Rec'd Sac. 2.0°C

SAMPLED BY: (PRINT) Denal Shah	DATE: 11/2/04	RECEIVED BY: (PRINT) (CHEW)	DATE: 11/2/04
(SIGN)	TIME: 3:05 Am	(SIGN) RON CHEW (Seq. Sac)	TIME: 13:30
RELINQUISHED BY: (PRINT)	DATE: 11/2/04	RECEIVED BY: (PRINT)	DATE:
(SIGN) RON CHEW (Seq-Sac	TIME: 14:30	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME:

AMERISCI

www.amerisci.com

AMERISCI LOS ANGELES
CHAIN OF CUSTODY RECORD

24416 S Main St, # 308, Carson, CA 90745
Phone (310)834-4868 Fax (310)834-4772

AMERISCI JOB NO:

PAGE 1 OF 1

DUE DATE:

TEMP UPON RECEIPT:

☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 3 DAY ☐ 5 DAY ☐ 7 DAY

DATA PACKAGE:

P.O.#

COMPANY: B.A.S & Associates

ADDRESS: 1360 S. Valley Vista Dr. Diamond Bar CA 91709.

PHONE: 909 860 7777 | FAX 1: 909 860 8077. | FAX 2:

CLIENT CONTACT: Cal Trans; Ram Walters. | EMAIL: dshah@bas.com

PROJECT NAME: PCC Study. | PROJECT NUMBER: | PROJECT STATE: CA

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PH LOGIN	8260B, TPH-GRO	8270C, TPH-DRO/ORO	Chrome VI, PH	TPS, Alkalinity	Oil & Grease	CAM 17 Metals	8015	Notes:
S4	PCC 03-005-L4	A	40m	V	4	11/2	2:38	DMJ				X							
	PCC 03005 L4	A	1L	G	2	11/2							X						Seq Sac. got.
-01	PCC 03-005 L4	A	250m	P	1									X					
	PCC 03-005 L4	A	1L	P.	1										X				
	PCC 03 005 L4	A	1L	G												X			
	PCC 03 005 L4	A	250m	P	1												X		
	PCC 03005 SA4	S	8oz	G	1							X	X	X	X	X	X	X	
	PCC 03005 SB4	S			1							X	X	X	X	X	X	X	

Rec'd @ Seq 11:02.

SAMPLED BY: (PRINT) DEVAL M. SHAH	DATE:	RECEIVED BY: (PRINT) RON CHEW	DATE: 11/2/04
(SIGN)	TIME:	(SIGN)	TIME 1330
RELINQUISHED BY: (PRINT) RON CHEW	DATE: 11/2/04	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME: 1430.	(SIGN)	TIME
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME

Sequoia Analytical

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

PCC 03 005 L5 : Hood Franklin Road + L5

AMERISCI

www.amerisci.com

AMERISCI LOS ANGELES
CHAIN OF CUSTODY RECORD

24416 S Main St, # 308, Carson, CA 90745
Phone (310)834-4868 Fax (310)834-4772

AMERISCI JOB NO:

PAGE ____ OF ____

DUE DATE:

☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 3 DAY ☐ 5 DAY ☐ 7 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: B.A.S & Associates

ADDRESS: 1360 S. Valley Vista Dr. Diamond Bar, CA 91709

PHONE: 9098607777 FAX 1: 909 860 8017 FAX 2:

CLIENT CONTACT: Dan Waters, CalTrans EMAIL: d.shah@bas.com

PROJECT NAME: PCC Study PROJECT NUMBER: PROJECT STATE: CA

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PHAT LOGIN	8260 B, TPH GRO	8270 C, TPH-DRO-ORO (Chrysene V1 - PH)	TDS, Alkalinity	Oil & Grease	CAM 17 Metals	Solid - Sperry
	PCC 03 005-L5	A	40	V	4	11/2	4:18					X					
	PCC 03 005 L5	A	1L	G	2	11/2							X				
-01	PCC 03 005 L5	A	250m	P	1									X			
	PCC 03 005 L5	A	1L	P	1										X		
	PCC 03 005 L5	A	1L	G	1											X	
	PCC 03 005 L5	A	250	G	1												X
	PCC 03 005 S5A	S	8oz	G	1							X	X	X	X	X	X
	PCC 03 005 S5B	S										X	X	X	X	X	X

Notes: Seg Sac. Have

Rec'd @ Seg Sac 16.7°C

SAMPLED BY: (PRINT) DEVAL SHAH	DATE:	RECEIVED BY: (PRINT) RON CHEW	DATE: 11/2/04
(SIGN)	TIME:	(SIGN) Seg Sac	TIME: 13:30
RELINQUISHED BY: (PRINT) Ron Chew	DATE: 11/2/04	RECEIVED BY: (PRINT)	DATE:
(SIGN) Seg Sac	TIME: 14:30	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME: