District 7
US-101
November 18, 2004

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

AmeriSci Work Order # 20041100062
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-07-101-L1
Sampling Date: 20041118 Time: 9:15 Receive Date: 20041119 Time: 9:50
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041123
Silver, Water	ICP, EPA Method 200.7	<0.030	0.030	mg/L	20041123
Arsenic, Water	ICP, EPA Method 200.7	0.21	0.10	mg/L	20041123
Barium, Water	ICP, EPA Method 200.7	4.6	0.030	mg/L	20041123
Beryllium, Water	ICP, EPA Method 200.7	<0.030	0.030	mg/L	20041123
Cadmium, Water	ICP, EPA Method 200.7	<0.030	0.030	mg/L	20041123
Cobalt, Water	ICP, EPA Method 200.7	<0.030	0.030	mg/L	20041123
Chromium, Water	ICP, EPA Method 200.7	0.21	0.030	mg/L	20041123
Copper, Water	ICP, EPA Method 200.7	0.050	0.050	mg/L	20041123
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	<0.00020	0.00020	mg/L	20041123
Molybdenum, Water	ICP, EPA Method 200.7	<0.050	0.050	mg/L	20041123
Nickel, Water	ICP, EPA Method 200.7	<0.050	0.050	mg/L	20041123
Lead, Water, ICP	ICP, EPA Method 200.7	<0.050	0.050	mg/L	20041123
Antimony, Water	ICP, EPA Method 200.7	<0.050	0.050	mg/L	20041123
Selenium, Water	ICP, EPA Method 200.7	0.23	0.10	mg/L	20041123
Thallium, Water	ICP, EPA Method 200.7	<0.15	0.15	mg/L	20041123
Vanadium, Water	ICP, EPA Method 200.7	0.11	0.030	mg/L	20041123
Zinc, Water	ICP, EPA Method 200.7	0.87	0.10	mg/L	20041123
Aqueous Extraction, HCL	SW-846 3010	11/22/2004		DATE	20041123
Mercury water prep.	EPA Methods 245.1	11/23/2004		DATE	20041123
Chromium Hexavalent	EPA SW-846 7196A	0.024	0.020	mg/L	20041119
pH	EPA 150.1/SM 4500-H B	12.1	0.10	Units	20041119
Total Dissolved Solids	EPA Method 160.1	2800	10	mg/L	20041123
Alkalinity	EPA Method 2320B	1300	50	mg/L	20041122
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041124
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041124
Oil & Grease, Gravimetric	EPA Method 1664, AQ	51	16	mg/L	20041129
Aqueous, EPA 8260B/5030B					20041129
Dibromofluromethane (SU)	EPA Method 8260B	2		Percent	20041129
1,2-Dichloroethane (SU)	EPA Method 8260B	122		Percent	20041129
Toluene-d8 (SU)	EPA Method 8260B	98		Percent	20041129

Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041129
Chloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041129
Bromomethane	EPA Method 8260B	<25	25	ug/L	20041129
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041129
Acetone	EPA Method 8260B	<50	50	ug/L	20041129
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041129
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041129
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041129
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041129
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041129
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041129
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041129
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Chloroform	EPA Method 8260B	<5	5	ug/L	20041129
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041129
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041129
Benzene	EPA Method 8260B	<5	5	ug/L	20041129
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041129
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041129
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041129
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Toluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041129

AmeriSci Work Order #	20041100062	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

Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromoform	EPA Method 8260B	<5	5	ug/L	20041129
Styrene	EPA Method 8260B	<5	5	ug/L	20041129
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trimethlybenzene	EPA Method 8260B	22	5	ug/L	20041129
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041129
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041129
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Total Organic Carbon, AQ	EPA 415.1/SM 5310C	240	3.0	mg/L	20041123
Phenols	EPA Method 420.1	0.57	0.030	mg/L	20041124
Chloride	EPA 300	550	50	mg/L	20041119
Nitrogen, Nitrite	4500-NO2-B, Colorimetric	14	10	mg/L	20041119
Nitrogen, Nitrate	4500-NO3-E / 300.0, IC	110	10	mg/L	20041119
Sulfate	EPA Method 300.0	8.6	1.0	mg/L	20041119
Sulfide	4500-5-D / 376.1	<0.050	0.050	mg/L	20041119
Chemical Oxygen Demand	EPA Method 410.4	910	5.0	mg/L	20041122
Total Suspended Solids	EPA Method 160.2	1800	10	mg/L	20041122
Conductivity	EPA Method 120.1/2510B	5000	0.10	umho/cm	20041119
Calcium, Water	ICP, EPA Method 200.7	2700	5.0	mg/L	20041123
Iron, Water	ICP, EPA Method 200.7	44	5.0	mg/L	20041123
Phosphorous, Total	EPA Method 365.4	2.0	0.067	mg/L	20041129
Phosphate, Ortho	EPA Method 300.0	0.16	0.050	mg/L	20041119

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

Manganese, Water, ICP	ICP, EPA Method 200.7	<5.0	5.0	mg/L	20041129
Magnesium, Water	ICP, EPA Method 200.7	19	1.0	mg/L	20041123
Potassium, Water	ICP, EPA SW846-6010B	230	100	mg/L	20041129
Sodium, water, ICP	ICP, EPA Method 200.7	520	200	mg/L	20041129
Boron, Water	ICP, EPA Method 200.7	<0.50	0.50	mg/L	20041123
Fluoride	EPA 300	10	10	mg/L	20041119
Total Organic Halides, AQ	EPA 450.1	210	80	mg/L	20041130
Hardness, Total	2340B, Calculation Ca/Mg	640	5.0	mg/L	20041129
8270 BNA, Aqueous					20041124
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	63.9		Percent	20041124
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	66.7		Percent	20041124
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	51.5		Percent	20041124
Phenol-d5 (Surr)	EPA 8270C, GC/MS	42.2		Percent	20041124
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	63.7		Percent	20041124
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	62.8		Percent	20041124
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	74.1		Percent	20041124
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	75.5		Percent	20041124
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<10	10	ug/L	20041124
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chloronaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-MethylNaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Nitrophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
3-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Chloroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
4-Nitroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124

AmeriSci Work Order #	20041100062	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

4-Nitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Acenapthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Acenaphthylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzidine	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzo(a)anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(a)pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzoic Acid	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzyl Alcohol	EPA 8270 B/N, AQ	53	20	ug/L	20041124
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Chrysene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-butylphthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dibenzofuran	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Diethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dimethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluorene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobutadiene	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachloroethane	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Isophorone	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Naphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Nitrobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Pentachlorophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Phenanthrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Phenol	EPA 8270 Acid, AQ	23	10	ug/L	20041124
Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Organochlorine Pesticides					20041124
DCB (SURROGATE)	EPA Method 8081/8082	65.7		Percent	20041124
TCMX (SURROGATE)	EPA Method 8081/8082	67.1		Percent	20041124

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

AmeriSci Work Order # 20041100062
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

4,4'-DDD	EPA 8081A	<0.081	0.081	ug/L	20041124
4,4'-DDE	EPA 8081A	<0.081	0.081	ug/L	20041124
4,4'-DDT	EPA 8081A	<0.081	0.081	ug/L	20041124
Aldrin	EPA 8081A	<0.050	0.050	ug/L	20041124
Chlordane	EPA 8081A	<0.50	0.50	ug/L	20041124
Dieldrin	EPA 8081A	<0.081	0.081	ug/L	20041124
Endosulfan I	EPA 8081A	<0.050	0.050	ug/L	20041124
Endosulfan II	EPA 8081A	<0.081	0.081	ug/L	20041124
Endosulfan Sulfate	EPA 8081A	<0.081	0.81	ug/L	20041124
Endrin	EPA 8081A	<0.081	0.081	ug/L	20041124
Endrin Aldehyde	EPA 8081A	<0.081	0.081	ug/L	20041124
Endrin Ketone	EPA 8081A	<0.081	0.081	ug/L	20041124
Heptachlor	EPA 8081A	<0.050	0.050	ug/L	20041124
Heptachlor Epoxide	EPA 8081A	<0.050	0.050	ug/L	20041124
Methoxychlor	EPA 8081A	<0.50	0.50	ug/L	20041124
Toxaphene	EPA 8081A	<5.0	5.0	ug/L	20041124
alpha-BHC	EPA 8081A	<0.050	0.050	ug/L	20041124
beta-BHC	EPA 8081A	<0.050	0.050	ug/L	20041124
delta-BHC	EPA 8081A	<0.050	0.050	ug/L	20041124
gamma-BHC (Lindane)	EPA 8081A	<0.050	0.050	ug/L	20041124
PCBs, Aqueous					20041124
PCB-1016	EPA Method 8082	<0.001	0.001	mg/L	20041124
PCB-1221	EPA Method 8082	<0.002	0.002	mg/L	20041124
PCB-1232	EPA Method 8082	<0.001	0.001	mg/L	20041124
PCB-1242	EPA Method 8082	<0.001	0.001	mg/L	20041124
PCB-1248	EPA Method 8082	<0.001	0.001	mg/L	20041124
PCB-1254	EPA Method 8082	<0.001	0.001	mg/L	20041124
PCB-1260	EPA Method 8082	<0.001	0.001	mg/L	20041124
PCB-1262	EPA Method 8082	<0.001	0.001	mg/L	20041124
PCB-1268	EPA Method 8082	<0.001	0.001	mg/L	20041124
TCMX (SURROGATE)	EPA Method 8081/8082	74.2		Percent	20041124
DCB (SURROGATE)	EPA Method 8081	65.8		Percent	20041124
Bio Assay	See Attached Report	See Attached			20041129

Sample: 002 PCC-07-101-S1
Sampling Date: 20041118 Time: 9:15 Receive Date: 20041119 Time: 9:50
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Solid					20041129
Silver, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Arsenic, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Barium, Solid	ICP, SW-846 Method 6010B	61	1.0	mg/kg	20041129

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

AmeriSci Work Order #	20041100062	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

Beryllium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cadmium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cobalt, Solid	ICP, SW-846 Method 6010B	2.9	1.0	mg/kg	20041129
Chromium, Solid	ICP, SW-846 Method 6010B	12	1.0	mg/kg	20041129
Copper, Solid	ICP, SW-846 Method 6010B	13	1.0	mg/kg	20041129
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041129
Molybdenum, Solid	ICP, SW-846 Method 6010B	3.4	1.0	mg/kg	20041129
Nickel, Solid	ICP, SW-846 Method 6010B	8.2	1.0	mg/kg	20041129
Lead, Solid	ICP, EPA SW-846 6010B	3.9	1	mg/kg	20041129
Antimony, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Selenium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Thallium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Vanadium, Solid	ICP, SW-846 Method 6010B	13	1.0	mg/kg	20041129
Zinc, Solid	ICP, SW-846 Method 6010B	72	1.0	mg/kg	20041129
Solid Extraction, HCL	SW-846, 3050	11/23/2004		DATE	20041129
Mercury solid prep	Mercury Solid Prep	11/23/2004		DATE	20041129
Chromium Hexavalent	EPA SW-846 7196A	0.28	0.10	mg/kg	20041122
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041123
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20041124
Oil & Grease, Gravimetric	EPA Method 1664, Solid	670	50	mg/kg	20041123
Solid, 8260B/5030B					20041130
Dibromofluromethane (SU)	EPA Method 8260B	0		Percent	20041130
1,2-Dichloroethane (SU)	EPA Method 8260B	126		Percent	20041130
Toluene-d8 (SU)	EPA Method 8260B	98		Percent	20041130
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041130
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130

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

Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trimethlybenzene	EPA Method 8260B	0.022	0.01	mg/kg	20041130
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130

1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloride, Soild	EPA 300M	230	50	mg/kg	20041124
Nitrite in Solids	EPA 300.0, IC	<0.50	0.50	mg/kg	20041124
Nitrate in SOlids	300.0 Modified	9.5	1.0	mg/kg	20041124
Sulfate	EPA Method 300.0	450	100	mg/Kg	20041124
Orthophosphate	EPA 300.0	<0.50	0.50	mg/kg	20041124
Iron, Solid	ICP, SW-846 Method 6010B	5600	20	mg/kg	20041129
Aluminum, Solid	ICP, SW-846 Method 6010B	6300	10	mg/kg	20041129
pH, Soil or Solid	EPA Method 150.1/9045	11.0	0.10	Unit	20041124
8270 BNA, Solid					20041129
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	27.9		Percent	20041129
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	80.7		Percent	20041129
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	81.6		Percent	20041129
Phenol-d5 (Surr)	EPA 8270C, GC/MS	91.9		Percent	20041129
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	71.3		Percent	20041129
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	75.6		Percent	20041129
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	91.2		Percent	20041129
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	81.3		Percent	20041129
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129

2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20041129
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129

N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
8081 OrganoChlorPest, Solid					20041128
4,4'-DDD (p,p-DDD)	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
4,4'-DDE (p,p-DDE)	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
4,4'-DDT (p,p-DDT)	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
Aldrin	EPA Method 8081A	<0.002	0.002	mg/kg	20041128
Chlordane	EPA Method 8081A	<0.017	0.017	mg/kg	20041128
Dieldrin	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
Endosulfan I	EPA Method 8081A	<0.002	0.002	mg/kg	20041128
Endosulfan II	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
Endosulfan Sulfate	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
Endrin	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
Endrin Aldehyde	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
Endrin Ketone	EPA Method 8081A	<0.004	0.004	mg/kg	20041128
Heptachlor	EPA Method 8081A	<0.002	0.002	mg/kg	20041128
Heptachlor Epoxide (B)	EPA Method 8081A	<0.002	0.002	mg/kg	20041128
Methoxychlor	EPA Method 8081A	<0.017	0.017	mg/kg	20041128
Toxaphene	EPA Method 8081A	<0.17	0.17	mg/kg	20041128
a-BHC	EPA Method 8081A	<0.002	0.002	mg/kg	20041128
b-BHC	EPA Method 8081A	<0.002	0.002	mg/kg	20041128
d-BHC	EPA Method 8081A	<0.002	0.002	mg/kg	20041128
gamma-BHC (Lindane)	EPA Method 8081A	<0.002	0.002	mg/kg	20041128
DCB (SURROGATE)	EPA Method 8081/8082	75.2		Percent	20041128
TCMX (SURROGATE)	EPA Method 8081/8082	83.2		Percent	20041128
PCBs, Solids					20041128
PCB-1016	EPA Method 8082	<0.050	0.050	mg/kg	20041128
PCB-1221	EPA Method 8082	<0.100	0.100	mg/kg	20041128
PCB-1232	EPA Method 8082	<0.050	0.050	mg/kg	20041128
PCB-1242	EPA Method 8082	<0.050	0.050	mg/kg	20041128
PCB-1248	EPA Method 8082	<0.050	0.050	mg/kg	20041128
PCB-1254	EPA Method 8082	<0.050	0.050	mg/kg	20041128
PCB-1260	EPA Method 8082	<0.050	0.050	mg/kg	20041128
PCB-1262	EPA Method 8082	<0.050	0.050	mg/kg	20041128
PCB-1268	EPA Method 8082	<0.050	0.050	mg/kg	20041128
DCB (SURROGATE)	EPA Method 8081/8082	94.3		Percent	20041128
TCMX (SURROGATE)	EPA Method 8081/8082	86.4		Percent	20041128

AmeriSci Work Order #	20041100062	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.

AQUATIC BIOASSAY & CONSULTING LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

November 30, 2004

Mr. Clifton Kiser
American Sci Los Angeles
24416 S. Main Street # 308
Carson, CA 90745

Dear Mr. Kiser:

We are pleased to present the enclosed acute bioassay report. The test was conducted under the guidelines prescribed in "Static Acute Bioassay Procedures for Hazardous Waste Samples" California Department of Fish and Game, 1988. The results were as follows:

CLIENT: American Sci Los Angeles
SAMPLE I.D.: 11-062-01
DATE RECEIVED: 11/23/04
ABC LAB. NO.: ASI1104.367

DOHS (TITLE 22) HAZARDOUS WASTE BIOASSAY USING FATHEAD MINNOWS

96 HOUR LC50 = >750 mg/l

STATUS = Pass

Respectfully yours,

Thomas (Tim) Mikel
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

AQUATIC BIOASSAY AND CONSULTING LABORATORIES, INC.
29 North Olive Street
Ventura, CA 93001
(805) 643-5621

DOHS Bioassay for Hazardous Waste (Title 22)

SAMPLE INFORMATION

CLIENT:	American Sci Los Angeles	Date:	11/23/04
SAMPLE I.D.:	11-062-01	LAB #	ASI1104.367

WATER QUALITY

DILUTION WATER Reconst. Fresh				AERATION: Single Bubble Air			
CONTROL HARDNESS				CONTROL ALKALINITY			
Beg:	43 mg/l	End:	49 mg/l	Beg:	33 mg/l	End:	36 mg/l
SAMPLE HARDNESS				SAMPLE ALKALINITY			
Beg:	75 mg/l	End:	88 mg/l	Beg:	39 mg/l	End:	57 mg/l

ORGANISM INFORMATION

SPECIES:	Pimephales promelas	DATE REC'D:	10/29/04
COMMON NAME:	Fathead Minnow	AVERAGE LNTH:	41 mm
SOURCE:	Thomas Fish Co.	AVERAGE WT:	0.72 gm
CARRIER:	California Overnight	NO. FISH / TANK:	10

TEST DATA

	INITIAL			24 HOURS				48 HOURS				72 HOURS				96 HOURS			
DATE:	11/23/04			11/24/04				11/25/04				11/26/04				11/27/04			
TIME:	1630			1730				900				930				1500			
CONC.	Dis. Oxy.	Temp. dg.C	pH	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead
0 (Con.)	9.1	18.9	7.6	8.1	18.8	7.3	0	7.8	18.7	7.4	0	7.7	18.7	7.5	0	7.8	19.0	7.5	0
400 mg/l	9.0	18.8	8.5	8.4	18.6	7.4	0	8.1	18.6	7.3	0	8.3	18.7	7.5	0	8.1	19.0	7.5	0
400 mg/l	9.0	18.8	8.5	8.5	18.7	7.4	0	8.0	18.6	7.4	0	8.3	18.7	7.5	0	8.1	19.0	7.5	0
750 mg/l	9.0	18.8	8.5	8.3	18.8	7.4	0	7.8	18.6	7.4	0	8.3	18.7	7.5	0	8.1	19.0	7.5	0
750 mg/l	9.0	18.8	8.5	8.2	18.8	7.4	0	8.0	18.6	7.4	0	8.3	18.7	7.5	0	8.1	18.9	7.5	0

FINAL DATA

TOTAL MORTALITIES	
0 (Con.)	0
400 mg/l	0
400 mg/l	0
750 mg/l	0
750 mg/l	0

FINAL RESULTS

96 HOUR LC50 =	>750 mg/l
STATUS =	Pass
CALCULATION METHOD =	Binomial Test

Michael Machuzak, Chief Biologist

Date 11/30/04

INVOICE NO.: ASI1141.067

November 30, 2004

TO: Accounting Department
American Sci Los Angeles
24416 S. Main Street # 308
Carson, CA 90745

FROM: Aquatic Bioassay
(Former ABC Laboratories)
29 N. Olive St.
Ventura, CA 93001
(805) 643-5621

Invoice for Bioassay Testing

SAMPLE I.D.: 11-062-01
DATE RECEIVED: 11/23/04
ABC LAB. NO.: ASI1104.367
PROJECT NO.: 11-062

DOHS (Title 22) Acute Bioassay
(1 @ $195.00) $ 195 .00

TOTAL $ 195 .00

Make checks payable to : Aquatic Bioassay And Consulting Labs., Inc.
29 N. Olive St.
Ventura, CA 93001

Terms are net 30 days.

Advanced Technology Laboratories

3275 Walnut Avenue
Signal Hill CA 90807
(562) 989-4045 Phone
(562) 989-4040 Fax

Fax Transmittal Sheet

To: Clifton

From: Rachelle

RE: Results for 072434

Message:

Enclosed are the results for your project 11-062. Thank you very much for your business and we are looking forward to being of service to you.

This message is intended for the use of the individual or entity to which it is addressed. This may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address. Thank you.

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-001

Client Sample ID: 11-062-01
Collection Date: 11/18/2004 9:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION						
	(EPA 3010A)			**SM 2340 B**		
RunID: ICP6_041129C	QC Batch: 20341				PrepDate: 11/23/2004	Analyst: RQ
Hardness As CaCO3	640	5.0		mg/L	1	11/29/2004
ICP METALS						
	(EPA 3010A)			**EPA 6010B**		
RunID: ICP6_041123B	QC Batch: 20307				PrepDate: 11/22/2004	Analyst: RQ
Aluminum	71	5.0		mg/L	1	11/23/2004
Antimony	ND	0.050		mg/L	1	11/23/2004
Arsenic	0.21	0.10		mg/L	1	11/23/2004
Barium	4.6	0.030		mg/L	1	11/23/2004
Beryllium	ND	0.030		mg/L	1	11/23/2004
Boron	ND	0.50		mg/L	1	11/23/2004
Cadmium	ND	0.030		mg/L	1	11/23/2004
Calcium	2700	5.0		mg/L	1	11/23/2004
Chromium	0.21	0.030		mg/L	1	11/23/2004
Cobalt	ND	0.030		mg/L	1	11/23/2004
Copper	ND	0.050		mg/L	1	11/23/2004
Iron	44	5.0		mg/L	1	11/23/2004
Lead	ND	0.050		mg/L	1	11/23/2004
Magnesium	19	1.0		mg/L	1	11/23/2004
Manganese	ND	5.0		mg/L	1	11/23/2004
Molybdenum	ND	0.050		mg/L	1	11/23/2004
Nickel	ND	0.050		mg/L	1	11/23/2004
Selenium	0.23	0.10		mg/L	1	11/23/2004
Silver	ND	0.030		mg/L	1	11/23/2004
Thallium	ND	0.15		mg/L	1	11/23/2004
Vanadium	0.11	0.030		mg/L	1	11/23/2004
Zinc	0.87	0.10		mg/L	1	11/23/2004
DISSOLVED METALS BY ICP						
	(EPA 3010A)			**EPA 6010B**		
RunID: ICP6_041129C	QC Batch: 20341				PrepDate: 11/23/2004	Analyst: RQ
Calcium	260	0.50		mg/L	1	11/29/2004
Magnesium	ND	0.10		mg/L	1	11/29/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 1 of 13

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-001

Client Sample ID: 11-062-01
Collection Date: 11/18/2004 9:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
OIL & GREASE						
	(EPA 1664 _HEM)			**EPA 1664 _HEM**		
RunID: WETCHEM2_041129B	QC Batch: 20391			PrepDate:	11/29/2004	Analyst: **MFP**
Oil & Grease	51	16		mg/L	1	11/29/2004
TOTAL PHOSPHORUS						
				EPA 365.3		
RunID: WETCHEM3_041129B	QC Batch: R43765			PrepDate:	11/29/2004	Analyst: **MFP**
Phosphorus, Total (As P)	2.0	0.067		mg/L	3.33	11/29/2004
SULFIDE, TOTAL						
				EPA 376.2		
RunID: WETCHEM3_041119C	QC Batch: R43546			PrepDate:		Analyst: **MJM**
Sulfide	ND	0.050		mg/L	1	11/19/2004
PHENOLICS						
				EPA 420.1		
RunID: WETCHEM3_041124A	QC Batch: R43681			PrepDate:	11/24/2004	Analyst: **MFP**
Phenolics, Total Recoverable	0.57	0.030		mg/L	1	11/24/2004
HEXAVALENT CHROMIUM						
				EPA 7196A		
RunID: WETCHEM3_041119E	QC Batch: R43569			PrepDate:	11/19/2004	Analyst: **MFP**
Chromium, Hexavalent	0.024	0.020		mg/L	2	11/19/2004
ORGANOCHLORINE PESTICIDES BY GC						
	(EPA 3510C)			**EPA 8081A**		
RunID: GC9_041124A	QC Batch: 20353			PrepDate:	11/24/2004	Analyst: **EES**
4,4'-DDD	ND	0.081		µg/L	1	11/24/2004
4,4'-DDE	ND	0.081		µg/L	1	11/24/2004
4,4'-DDT	ND	0.081		µg/L	1	11/24/2004
Aldrin	ND	0.040		µg/L	1	11/24/2004
alpha-BHC	ND	0.040		µg/L	1	11/24/2004
alpha-Chlordane	ND	0.040		µg/L	1	11/24/2004
beta-BHC	ND	0.040		µg/L	1	11/24/2004
Chlordane	ND	0.40		µg/L	1	11/24/2004
delta-BHC	ND	0.040		µg/L	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 2 of 13

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-001

Client Sample ID: 11-062-01
Collection Date: 11/18/2004 9:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC						
(EPA 3510C)				EPA 8081A		
RunID: GC9_041124A	QC Batch: 20353				PrepDate: 11/24/2004	Analyst: EES
Dieldrin	ND	0.081		µg/L	1	11/24/2004
Endosulfan I	ND	0.040		µg/L	1	11/24/2004
Endosulfan II	ND	0.081		µg/L	1	11/24/2004
Endosulfan sulfate	ND	0.081		µg/L	1	11/24/2004
Endrin	ND	0.081		µg/L	1	11/24/2004
Endrin aldehyde	ND	0.081		µg/L	1	11/24/2004
Endrin ketone	ND	0.081		µg/L	1	11/24/2004
gamma-BHC	ND	0.040		µg/L	1	11/24/2004
gamma-Chlordane	ND	0.040		µg/L	1	11/24/2004
Heptachlor	ND	0.040		µg/L	1	11/24/2004
Heptachlor epoxide	ND	0.040		µg/L	1	11/24/2004
Methoxychlor	ND	0.40		µg/L	1	11/24/2004
Toxaphene	ND	4.0		µg/L	1	11/24/2004
Surr: Decachlorobiphenyl	65.7	22-135		%REC	1	11/24/2004
Surr: Tetrachloro-m-xylene	67.1	52-115		%REC	1	11/24/2004
PCB BY GC/ECD						
(EPA 3510C)				EPA 8082		
RunID: GC9_041124A	QC Batch: 20353				PrepDate: 11/24/2004	Analyst: EES
Aroclor 1016	ND	0.81		µg/L	1	11/24/2004
Aroclor 1221	ND	1.6		µg/L	1	11/24/2004
Aroclor 1232	ND	0.81		µg/L	1	11/24/2004
Aroclor 1242	ND	0.81		µg/L	1	11/24/2004
Aroclor 1248	ND	0.81		µg/L	1	11/24/2004
Aroclor 1254	ND	0.81		µg/L	1	11/24/2004
Aroclor 1260	ND	0.81		µg/L	1	11/24/2004
Aroclor 1262	ND	0.81		µg/L	1	11/24/2004
Aroclor 1268	ND	0.81		µg/L	1	11/24/2004
Surr: Decachlorobiphenyl	65.8	13-136		%REC	1	11/24/2004
Surr: Tetrachloro-m-xylene	74.2	48-121		%REC	1	11/24/2004
ANIONS BY ION CHROMATOGRAPHY						
				EPA 300		
RunID: IC1_041119N	QC Batch: R43622				PrepDate:	Analyst: JT
Chloride	550	50		mg/L	100	11/19/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 3 of 13

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-001

Client Sample ID: 11-062-01
Collection Date: 11/18/2004 9:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
			EPA 300			
RunID: IC1_041119A	QC Batch: R43623			PrepDate:		Analyst: JT
Fluoride	10	10		mg/L	100	11/19/2004
ANIONS BY ION CHROMATOGRAPHY						
			EPA 300			
RunID: IC1_041119B	QC Batch: R43624			PrepDate:		Analyst: JT
Nitrogen, Nitrite	14	10		mg/L	100	11/19/2004
ANIONS BY ION CHROMATOGRAPHY						
			EPA 300			
RunID: IC1_041119C	QC Batch: R43625			PrepDate:		Analyst: JT
Nitrogen, Nitrate (As N)	110	10		mg/L	100	11/19/2004
ANIONS BY ION CHROMATOGRAPHY						
			EPA 300			
RunID: IC1_041119D	QC Batch: R43626			PrepDate:		Analyst: JT
Phosphorus, Dissolved Orthophosphate (As P)	0.16	0.050		mg/L	1	11/19/2004
ANIONS BY ION CHROMATOGRAPHY						
			EPA 300			
RunID: IC1_041119E	QC Batch: R43628			PrepDate:		Analyst: JT
Sulfate	8.6	1.0		mg/L	1	11/19/2004
TOTAL ORGANIC CARBON						
			EPA 415.1			
RunID: TOC2_041123B	QC Batch: R43673			PrepDate:		Analyst: JT
Organic Carbon, Total	240	3.0		mg/L	1	11/23/2004
TOTAL ORGANIC HALIDES						
			EPA 9020B			
RunID: TOX1_041130A	QC Batch: R43802			PrepDate:	11/30/2004	Analyst: JT
Total Organic Halides	210	80		µg/L	4	11/30/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Page 4 of 13

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-001

Client Sample ID: 11-062-01
Collection Date: 11/18/2004 9:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
MERCURY BY COLD VAPOR TECHNIQUE (EPA 7470)				**EPA 7470A**		
RunID: AA1_041123A	QC Batch: 20308			PrepDate: 11/23/2004		Analyst: JT
Mercury	ND	2.0		µg/L	1	11/23/2004
POTASSIUM BY ATOMIC ABSORPTION				**EPA 7610**		
RunID: AA2_041129B	QC Batch: R43743			PrepDate:		Analyst: NS
Potassium	230	100		mg/L	200	11/29/2004
SODIUM BY ATOMIC ABSORPTION				**EPA 7770**		
RunID: AA2_041129A	QC Batch: R43742			PrepDate:		Analyst: NS
Sodium	520	200		mg/L	400	11/29/2004
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C)				**EPA 8270C**		
RunID: MS7_041124A	QC Batch: 20324			PrepDate: 11/23/2004		Analyst: JWS
1,2,4-Trichlorobenzene	ND	17		µg/L	1	11/24/2004
1,2-Dichlorobenzene	ND	17		µg/L	1	11/24/2004
1,3-Dichlorobenzene	ND	17		µg/L	1	11/24/2004
1,4-Dichlorobenzene	ND	17		µg/L	1	11/24/2004
2,4,5-Trichlorophenol	ND	17		µg/L	1	11/24/2004
2,4,6-Trichlorophenol	ND	17		µg/L	1	11/24/2004
2,4-Dichlorophenol	ND	17		µg/L	1	11/24/2004
2,4-Dimethylphenol	ND	17		µg/L	1	11/24/2004
2,4-Dinitrophenol	ND	83		µg/L	1	11/24/2004
2,4-Dinitrotoluene	ND	17		µg/L	1	11/24/2004
2,6-Dinitrotoluene	ND	17		µg/L	1	11/24/2004
2-Chloronaphthalene	ND	17		µg/L	1	11/24/2004
2-Chlorophenol	ND	17		µg/L	1	11/24/2004
2-Methylnaphthalene	ND	17		µg/L	1	11/24/2004
2-Nitroaniline	ND	83		µg/L	1	11/24/2004
2-Nitrophenol	ND	17		µg/L	1	11/24/2004
3,3'-Dichlorobenzidine	ND	33		µg/L	1	11/24/2004
3-Nitroaniline	ND	83		µg/L	1	11/24/2004
4,6-Dinitro-2-methylphenol	ND	83		µg/L	1	11/24/2004
4-Bromophenyl-phenylether	ND	17		µg/L	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Page 5 of 13

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-001

Client Sample ID: 11-062-01
Collection Date: 11/18/2004 9:15:00 PM
Matrix: WATER

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C) — **EPA 8270C**

RunID: MS7_041124A QC Batch: 20324 PrepDate: 11/23/2004 Analyst: JWS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
4-Chloro-3-methylphenol	ND	83		µg/L	1	11/24/2004
4-Chloroaniline	ND	33		µg/L	1	11/24/2004
4-Chlorophenyl-phenylether	ND	17		µg/L	1	11/24/2004
4-Nitroaniline	ND	33		µg/L	1	11/24/2004
4-Nitrophenol	ND	83		µg/L	1	11/24/2004
Acenaphthene	ND	17		µg/L	1	11/24/2004
Acenaphthylene	ND	17		µg/L	1	11/24/2004
Anthracene	ND	17		µg/L	1	11/24/2004
Benzidine (M)	ND	83		µg/L	1	11/24/2004
Benzo(a)anthracene	ND	17		µg/L	1	11/24/2004
Benzo(a)pyrene	ND	17		µg/L	1	11/24/2004
Benzo(b)fluoranthene	ND	17		µg/L	1	11/24/2004
Benzo(g,h,i)perylene	ND	17		µg/L	1	11/24/2004
Benzo(k)fluoranthene	ND	17		µg/L	1	11/24/2004
Benzoic acid	ND	83		µg/L	1	11/24/2004
Benzyl alcohol	53	33		µg/L	1	11/24/2004
Bis(2-chloroethoxy)methane	ND	17		µg/L	1	11/24/2004
Bis(2-chloroethyl)ether	ND	17		µg/L	1	11/24/2004
Bis(2-chloroisopropyl)ether	ND	17		µg/L	1	11/24/2004
Bis(2-ethylhexyl)phthalate	ND	17		µg/L	1	11/24/2004
Butylbenzylphthalate	ND	17		µg/L	1	11/24/2004
Chrysene	ND	17		µg/L	1	11/24/2004
Di-n-butylphthalate	ND	17		µg/L	1	11/24/2004
Di-n-octylphthalate	ND	17		µg/L	1	11/24/2004
Dibenz(a,h)anthracene	ND	17		µg/L	1	11/24/2004
Dibenzofuran	ND	17		µg/L	1	11/24/2004
Diethylphthalate	ND	17		µg/L	1	11/24/2004
Dimethylphthalate	ND	17		µg/L	1	11/24/2004
Fluoranthene	ND	17		µg/L	1	11/24/2004
Fluorene	ND	17		µg/L	1	11/24/2004
Hexachlorobenzene	ND	17		µg/L	1	11/24/2004
Hexachlorobutadiene	ND	33		µg/L	1	11/24/2004
Hexachlorocyclopentadiene	ND	17		µg/L	1	11/24/2004
Hexachloroethane	ND	17		µg/L	1	11/24/2004
Indeno(1,2,3-cd)pyrene	ND	17		µg/L	1	11/24/2004
Isophorone	ND	17		µg/L	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-001

Client Sample ID: 11-062-01
Collection Date: 11/18/2004 9:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C)				**EPA 8270C**		
RunID: MS7_041124A	QC Batch: 20324			PrepDate: 11/23/2004		Analyst: JWS
N-Nitrosodi-n-propylamine	ND	17		µg/L	1	11/24/2004
N-Nitrosodiphenylamine	ND	17		µg/L	1	11/24/2004
Naphthalene	ND	17		µg/L	1	11/24/2004
Nitrobenzene	ND	17		µg/L	1	11/24/2004
Pentachlorophenol	ND	83		µg/L	1	11/24/2004
Phenanthrene	ND	17		µg/L	1	11/24/2004
Phenol	23	17		µg/L	1	11/24/2004
Pyrene	ND	17		µg/L	1	11/24/2004
2-Methylphenol	ND	17		µg/L	1	11/24/2004
4-Methylphenol	ND	17		µg/L	1	11/24/2004
Surr: 1,2-Dichlorobenzene-d4	63.7	27-100		%REC	1	11/24/2004
Surr: 2,4,6-Tribromophenol	63.9	62-120		%REC	1	11/24/2004
Surr: 2-Chlorophenol-d4	66.7	34-98		%REC	1	11/24/2004
Surr: 2-Fluorobiphenyl	62.8	36-105		%REC	1	11/24/2004
Surr: 2-Fluorophenol	51.5	18-70		%REC	1	11/24/2004
Surr: 4-Terphenyl-d14	74.1	52-112		%REC	1	11/24/2004
Surr: Nitrobenzene-d5	75.5	33-107		%REC	1	11/24/2004
Surr: Phenol-d5	42.2	15-51		%REC	1	11/24/2004
SPECIFIC CONDUCTANCE				**EPA 120.1**		
RunID: COND_041119A	QC Batch: R43636			PrepDate:		Analyst: BA
Specific Conductance	5000	0.10		µmhos/cm	1	11/19/2004
PH				**EPA 150.1**		
RunID: PH1_041119A	QC Batch: R43629			PrepDate:		Analyst: BA
pH	12.06	0.10		pH Units	1	11/19/2004
TOTAL FILTERABLE RESIDUE IN WATER				**EPA 160.1**		
RunID: WETCHEM_041123B	QC Batch: R43647			PrepDate: 11/22/2004		Analyst: MJM
Total Dissolved Solids (Residue, Filterable)	2800	10		mg/L	1	11/23/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Page 7 of 13

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-001

Client Sample ID: 11-062-01
Collection Date: 11/18/2004 9:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL NON-FILTERABLE RESIDUE						
			EPA 160.2			
RunID: WETCHEM_041122G	QC Batch: R43610			PrepDate:		Analyst: MJM
Suspended Solids (Residue, Non-Filterable)	1800	10		mg/L	1	11/22/2004
ALKALINITY						
			EPA 310.1			
RunID: WETCHEM_041122E	QC Batch: R43598			PrepDate:		Analyst: MJM
Alkalinity, Total (As CaCO3)	1300	50		mg/L	10	11/22/2004
CHEMICAL OXYGEN DEMAND						
			EPA 410.4			
RunID: WETCHEM_041122F	QC Batch: R43599			PrepDate:		Analyst: MJM
Chemical Oxygen Demand	910	5.0		mg/L	1	11/22/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Client Sample ID: 11-062-02
Lab Order: 072434
Project: 11-062
Collection Date: 11/18/2004 9:15:00 PM
Lab ID: 072434-002
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041129C	QC Batch: 20338			PrepDate:	11/23/2004	Analyst: **RQ**
Aluminum	6300	10		mg/Kg	1	11/29/2004
Antimony	ND	1.0		mg/Kg	1	11/29/2004
Arsenic	ND	1.0		mg/Kg	1	11/29/2004
Barium	61	1.0		mg/Kg	1	11/29/2004
Beryllium	ND	1.0		mg/Kg	1	11/29/2004
Cadmium	ND	1.0		mg/Kg	1	11/29/2004
Chromium	12	1.0		mg/Kg	1	11/29/2004
Cobalt	2.9	1.0		mg/Kg	1	11/29/2004
Copper	13	1.0		mg/Kg	1	11/29/2004
Iron	5600	20		mg/Kg	1	11/29/2004
Lead	3.9	1.0		mg/Kg	1	11/29/2004
Molybdenum	3.4	1.0		mg/Kg	1	11/29/2004
Nickel	8.2	1.0		mg/Kg	1	11/29/2004
Selenium	ND	1.0		mg/Kg	1	11/29/2004
Silver	ND	1.0		mg/Kg	1	11/29/2004
Thallium	ND	1.0		mg/Kg	1	11/29/2004
Vanadium	13	1.0		mg/Kg	1	11/29/2004
Zinc	72	1.0		mg/Kg	1	11/29/2004
OIL & GREASE						
				EPA 1664 _HEM		
RunID: WETCHEM2_041123A	QC Batch: R43646			PrepDate:	11/23/2004	Analyst: **MFP**
Oil & Grease	670	50		mg/Kg	1	11/23/2004
HEXAVALENT CHROMIUM						
				EPA 7196A		
RunID: WETCHEM3_041122C	QC Batch: R43617			PrepDate:	11/22/2004	Analyst: **MFP**
Chromium, Hexavalent	0.28	0.10		mg/Kg	1	11/22/2004
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	(EPA 3550B)			**EPA 8081A**		
RunID: GC5_041122A	QC Batch: 20298			PrepDate:	11/22/2004	Analyst: **EES**
4,4'-DDD	ND	2.0		µg/Kg	1	11/28/2004
4,4'-DDE	ND	2.0		µg/Kg	1	11/28/2004
4,4'-DDT	ND	2.0		µg/Kg	1	11/28/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 9 of 13

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-002

Client Sample ID: 11-062-02
Collection Date: 11/18/2004 9:15:00 PM
Matrix: SOLID

ORGANOCHLORINE PESTICIDES BY GC/ECD

(EPA 3550B) EPA 8081A

RunID: GC5_041122A QC Batch: 20298 PrepDate: 11/22/2004 Analyst: EES

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Aldrin	ND	1.0		µg/Kg	1	11/28/2004
alpha-BHC	ND	1.0		µg/Kg	1	11/28/2004
alpha-Chlordane	ND	1.0		µg/Kg	1	11/28/2004
beta-BHC	ND	1.0		µg/Kg	1	11/28/2004
Chlordane	ND	8.5		µg/Kg	1	11/28/2004
delta-BHC	ND	1.0		µg/Kg	1	11/28/2004
Dieldrin	ND	2.0		µg/Kg	1	11/28/2004
Endosulfan I	ND	1.0		µg/Kg	1	11/28/2004
Endosulfan II	ND	2.0		µg/Kg	1	11/28/2004
Endosulfan sulfate	ND	2.0		µg/Kg	1	11/28/2004
Endrin	ND	2.0		µg/Kg	1	11/28/2004
Endrin aldehyde	ND	2.0		µg/Kg	1	11/28/2004
Endrin ketone	ND	2.0		µg/Kg	1	11/28/2004
gamma-BHC	ND	1.0		µg/Kg	1	11/28/2004
gamma-Chlordane	ND	1.0		µg/Kg	1	11/28/2004
Heptachlor	ND	1.0		µg/Kg	1	11/28/2004
Heptachlor epoxide	ND	1.0		µg/Kg	1	11/28/2004
Methoxychlor	ND	8.5		µg/Kg	1	11/28/2004
Toxaphene	ND	85		µg/Kg	1	11/28/2004
Surr: Decachlorobiphenyl	75.2	64-140		%REC	1	11/28/2004
Surr: Tetrachloro-m-xylene	83.2	63-116		%REC	1	11/28/2004

PCB BY GC/ECD

(EPA 3550B) EPA 8082

RunID: GC9_041122A QC Batch: 20298 PrepDate: 11/22/2004 Analyst: EES

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Aroclor 1016	ND	16		µg/Kg	1	11/23/2004
Aroclor 1221	ND	33		µg/Kg	1	11/23/2004
Aroclor 1232	ND	16		µg/Kg	1	11/23/2004
Aroclor 1242	ND	16		µg/Kg	1	11/23/2004
Aroclor 1248	ND	16		µg/Kg	1	11/23/2004
Aroclor 1254	ND	16		µg/Kg	1	11/23/2004
Aroclor 1260	ND	16		µg/Kg	1	11/23/2004
Aroclor 1262	ND	16		µg/Kg	1	11/23/2004
Aroclor 1268	ND	16		µg/Kg	1	11/23/2004
Surr: Decachlorobiphenyl	94.3	33-154		%REC	1	11/23/2004
Surr: Tetrachloro-m-xylene	86.4	48-125		%REC	1	11/23/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-002

Client Sample ID: 11-062-02
Collection Date: 11/18/2004 9:15:00 PM
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY						
				EPA 300		
RunID: IC1_041124A	QC Batch: R43741			PrepDate:		Analyst: JT
Chloride	230	50		mg/Kg	10	11/24/2004
Nitrogen, Nitrate (As N)	9.5	1.0		mg/Kg	1	11/24/2004
Nitrogen, Nitrite	ND	0.50		mg/Kg	1	11/24/2004
Phosphorus, Dissolved Orthophosphate (As P)	ND	0.50		mg/Kg	1	11/24/2004
Sulfate	450	100		mg/Kg	10	11/24/2004
MERCURY BY COLD VAPOR TECHNIQUE (EPA 7471)				**EPA 7471A**		
RunID: AA1_041124A	QC Batch: 20334			PrepDate:	11/23/2004	Analyst: JT
Mercury	ND	0.10		mg/Kg	1	11/24/2004
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B)				**EPA 8270C**		
RunID: MS7_041123A	QC Batch: 20303			PrepDate:	11/22/2004	Analyst: JWS
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	11/23/2004
1,2-Dichlorobenzene	ND	330		µg/Kg	1	11/23/2004
1,3-Dichlorobenzene	ND	330		µg/Kg	1	11/23/2004
1,4-Dichlorobenzene	ND	330		µg/Kg	1	11/23/2004
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	11/23/2004
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	11/23/2004
2,4-Dichlorophenol	ND	1600		µg/Kg	1	11/23/2004
2,4-Dimethylphenol	ND	330		µg/Kg	1	11/23/2004
2,4-Dinitrophenol	ND	1600		µg/Kg	1	11/23/2004
2,4-Dinitrotoluene	ND	330		µg/Kg	1	11/23/2004
2,6-Dinitrotoluene	ND	330		µg/Kg	1	11/23/2004
2-Chloronaphthalene	ND	330		µg/Kg	1	11/23/2004
2-Chlorophenol	ND	330		µg/Kg	1	11/23/2004
2-Methylnaphthalene	ND	330		µg/Kg	1	11/23/2004
2-Methylphenol	ND	330		µg/Kg	1	11/23/2004
2-Nitroaniline	ND	1600		µg/Kg	1	11/23/2004
2-Nitrophenol	ND	330		µg/Kg	1	11/23/2004
3,3'-Dichlorobenzidine	ND	660		µg/Kg	1	11/23/2004
3-Nitroaniline	ND	1600		µg/Kg	1	11/23/2004
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	11/23/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-002

Client Sample ID: 11-062-02
Collection Date: 11/18/2004 9:15:00 PM
Matrix: SOLID

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B) **EPA 8270C**

RunID: MS7_041123A QC Batch: 20303 PrepDate: 11/22/2004 Analyst: JWS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	11/23/2004
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	11/23/2004
4-Chloroaniline	ND	660		µg/Kg	1	11/23/2004
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	11/23/2004
4-Methylphenol	ND	330		µg/Kg	1	11/23/2004
4-Nitroaniline	ND	1600		µg/Kg	1	11/23/2004
4-Nitrophenol	ND	1600		µg/Kg	1	11/23/2004
Acenaphthene	ND	330		µg/Kg	1	11/23/2004
Acenaphthylene	ND	330		µg/Kg	1	11/23/2004
Anthracene	ND	330		µg/Kg	1	11/23/2004
Benzidine (M)	ND	1600		µg/Kg	1	11/23/2004
Benzo(a)anthracene	ND	330		µg/Kg	1	11/23/2004
Benzo(a)pyrene	ND	330		µg/Kg	1	11/23/2004
Benzo(b)fluoranthene	ND	330		µg/Kg	1	11/23/2004
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	11/23/2004
Benzo(k)fluoranthene	ND	330		µg/Kg	1	11/23/2004
Benzoic acid	ND	1600		µg/Kg	1	11/23/2004
Benzyl alcohol	ND	660		µg/Kg	1	11/23/2004
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	11/23/2004
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	11/23/2004
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	11/23/2004
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	11/23/2004
Butylbenzylphthalate	ND	330		µg/Kg	1	11/23/2004
Chrysene	ND	330		µg/Kg	1	11/23/2004
Di-n-butylphthalate	ND	330		µg/Kg	1	11/23/2004
Di-n-octylphthalate	ND	330		µg/Kg	1	11/23/2004
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	11/23/2004
Dibenzofuran	ND	330		µg/Kg	1	11/23/2004
Diethylphthalate	ND	330		µg/Kg	1	11/23/2004
Dimethylphthalate	ND	330		µg/Kg	1	11/23/2004
Fluoranthene	ND	330		µg/Kg	1	11/23/2004
Fluorene	ND	330		µg/Kg	1	11/23/2004
Hexachlorobenzene	ND	330		µg/Kg	1	11/23/2004
Hexachlorobutadiene	ND	660		µg/Kg	1	11/23/2004
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	11/23/2004
Hexachloroethane	ND	330		µg/Kg	1	11/23/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072434
Project: 11-062
Lab ID: 072434-002

Client Sample ID: 11-062-02
Collection Date: 11/18/2004 9:15:00 PM
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B)				**EPA 8270C**		
RunID: MS7_041123A	QC Batch: 20303			PrepDate: 11/22/2004		Analyst: JWS
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	11/23/2004
Isophorone	ND	330		µg/Kg	1	11/23/2004
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	11/23/2004
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	11/23/2004
Naphthalene	ND	330		µg/Kg	1	11/23/2004
Nitrobenzene	ND	330		µg/Kg	1	11/23/2004
Pentachlorophenol	ND	1600		µg/Kg	1	11/23/2004
Phenanthrene	ND	330		µg/Kg	1	11/23/2004
Phenol	ND	330		µg/Kg	1	11/23/2004
Pyrene	ND	330		µg/Kg	1	11/23/2004
Surr: 1,2-Dichlorobenzene-d4	71.3	37-103		%REC	1	11/23/2004
Surr: 2,4,6-Tribromophenol	27.9	50-127	S	%REC	1	11/23/2004
Surr: 2-Chlorophenol-d4	80.7	49-103		%REC	1	11/23/2004
Surr: 2-Fluorobiphenyl	75.6	37-113		%REC	1	11/23/2004
Surr: 2-Fluorophenol	81.6	46-105		%REC	1	11/23/2004
Surr: 4-Terphenyl-d14	91.2	46-123		%REC	1	11/23/2004
Surr: Nitrobenzene-d5	81.3	39-108		%REC	1	11/23/2004
Surr: Phenol-d5	91.9	51-107		%REC	1	11/23/2004
PH				**EPA 9045C**		
RunID: WETCHEM_041124I	QC Batch: R43706			PrepDate:		Analyst: MJM
pH	10.99	0.10		pH Units	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 13 of 13

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

AMERI SCI
www.amerisci.com

CHAIN OF CUSTODY RECORD

___TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

___TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

[redacted]

PAGE 1 OF 2

DUE DATE: 7-10 DAY

☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☐ 7 DAY ☒ 10 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: AmeriSci-LA

ADDRESS:

PHONE: FAX 1: FAX 2:

CLIENT CONTACT: Clifton Kiser EMAIL: ~~ckiser@amerisci.com~~

PROJECT NAME: 11-062 PROJECT NUMBER: 11-062 PROJECT STATE:

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

[redacted]

									SEE LIST #1	SEE LIST #2	8270C	8081/8082	OIL + GREASE	TOX, COD, PHENOLICS	TOC	TOTAL SULFIDES	Notes:
11-062-01	A	#	Poly	1	11/18	09:15AM	G	Nitric	X								
		1L	Poly	2				N/A		X							
			Amber	2				N/A			X						
				1				HCl				X					
				1				Sulfuric					X				
		40ml	VOA	2				HCl						X			
		# 250ml	Poly	1				Zn NaOH							X		

SAMPLED BY: (PRINT) Clifton Kiser	DATE: 11/18/04	RECEIVED BY: (PRINT) Lateef McIntosh	DATE: 11/19/04
(SIGN)	TIME: 12:35	(SIGN)	TIME: 12:35
RELINQUISHED BY: (PRINT) Lateef McIntosh	DATE: 11/19/04	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME: 13:00	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE: 11/19/04
(SIGN)	TIME:	(SIGN)	TIME: 13:00

AMERI SCI

www.amerisci.com

CHAIN OF CUSTODY RECORD

____TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

____TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

[redacted]

DUE DATE: 7-10 DAY
☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☐ 7 DAY ☒ 10 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: AmeriSci- LA

ADDRESS:

PHONE: | FAX 1: | FAX 2:

CLIENT CONTACT: Clifton Kiser | EMAIL: ~~ckiser@amerisci.com~~

PROJECT NAME: 11-062 | PROJECT NUMBER: 11-062 | PROJECT STATE:

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

[redacted]

SEE LIST #3

Notes:

	11-062-02	solid	8oz Jar	1	11/18	0915AM	G	N/A	X		

SAMPLED BY: (PRINT) Clifton Kiser (SIGN) [signature]	DATE 11/19/04 TIME: 12:35	RECEIVED BY: (PRINT) Lateef McIntosh (SIGN) [signature]	DATE: 11/19/04 TIME: 12:35
RELINQUISHED BY: (PRINT) Lateef McIntosh (SIGN) [signature]	DATE: 11/19/04 TIME: 13:00	RECEIVED BY: (PRINT) (SIGN)	DATE: TIME:
RELINQUISHED BY: (PRINT) (SIGN)	DATE: TIME:	RECEIVED FOR LABORATORY BY: (SIGN) [signature]	DATE 11/19/04 TIME: 13:00

AmeriSci Los Angeles

Portland Cement Projects

Default Subcontract Distribution

List 1 (Aqueous): CAM 17 Metals, Ca, Fe, Al, Mn, Mg, K, Na, B, Hardness

List 2 (Aqueous): Chromium VI, pH, TDS, Alkalinity, Chloride, Nitrate, Nitrite, Sulfate, Fluoride, TSS, Conductivity, Phosphate, Total Phosphorous

List 3 (Solid): CAM 17 Metals, Chromium VI, pH, Oil & Grease (1664M), 8270C, 8081/8082, Chloride, Nitrate, Nitrite, Sulfate, Phosphate, Iron, Aluminum

AMERI SCI

www.amerisci.com

CHAIN OF CUSTODY RECORD

___TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

___TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

AMERISCI JOB NO:

PAGE 1 OF 3

DUE DATE:

❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ❑ 10 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: Deval Shah Caltrans. | EMAIL: dshah@bas.com

PROJECT NAME: CALTRANS PCC STUDY | PROJECT NUMBER: 2004.0074 | 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 AT LOGIN	8260B, TPH-GRO, TOC	8270C, TPH-DRO/ORO, 8081, 8082	Bioassay	Sulfides	Oil & Grease	CAM Metals	Notes:
	PCC-07-101-L1	A	40 ml	V	6	11/18	9:15	DMS				X						
		A	1L	G	3								X					
		A	250 ml	P	1									X				
		A	250 ml	P	1										X			
		A	1 L	G	1											X		
		A	250 ml	P	1												X	

SAMPLED BY: (PRINT) Deval Shah / Jim Schnider	DATE 11/18/04	RECEIVED BY: (PRINT) Lateef McIntosh	DATE: 11/19/04
(SIGN)	TIME:	(SIGN)	TIME: 9:50
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME:

AMERI SCI
www.amerisci.com

CHAIN OF CUSTODY RECORD

___TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

___TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

AMERISCI JOB NO: Standard

PAGE 2 OF 3

DUE DATE:
❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ❑ 10 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: B.A.S & Associates

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

PHONE: 909 860 7772 | FAX 1: 909 860 8017. | FAX 2:

CLIENT CONTACT: Deval Shah, CalTrans. | EMAIL: d shah @ Bas. Com

PROJECT NAME: PCC · Study | PROJECT NUMBER: 2004.0074 | 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	SAMPLING INFORMATION TIME	SAMPLING INFORMATION TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE pH AT LOGIN	Tox, Phenol, COD	Chrome +6, pH, Nitrite, Nitrate, ortho-phosphate, conductivity	TDS, Alkalinity, Cl, Sulfate	TSS, Total Phosphorus, Fluoride	Notes:
	PCC-07-101-L1	A	1L	G	1	11/18	7:15	DMS				X				
		A	1L	P.	2	11/18							X	X	X	Short Hold.
		A	1L	P.	1	11/18									X	
		A	1L	P.	1	11/18									X	

SAMPLED BY: (PRINT) Deval Shah / Jim Schnider | DATE 11/18 | RECEIVED BY: (PRINT) Lateef McIntosh | DATE: 11/19/04

(SIGN) | TIME: | (SIGN) | TIME: 9:50

RELINQUISHED BY: (PRINT) | DATE: | RECEIVED BY: (PRINT) | DATE:

(SIGN) | TIME: | (SIGN) | TIME:

RELINQUISHED BY: (PRINT) | DATE: | RECEIVED FOR LABORATORY BY: | DATE:

(SIGN) | TIME: | (SIGN) | TIME:

AMERI SCI

www.amerisci.com

CHAIN OF CUSTODY RECORD

____TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

____TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

AMERISCI JOB NO:

PAGE _____ OF _____

DUE DATE:

❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ❑ 10 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: B.A.S.

ADDRESS: 1360 S. Valley Vista Dr, Diamond Bar, CA 91765

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

CLIENT CONTACT: Deval Shah Soil trans. | EMAIL: dshah@bas.com

PROJECT NAME: PCC Study | PROJECT NUMBER: 2004.0074 | 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 AT LOGIN	X Slurry / Solid Para						Notes:
	PCC-07-101-S1A	S	802	G	1	11/18						X						Soil
	PCC-07-101-S1B	S	802	G	1	11/18						X						Soil,

SAMPLED BY: (PRINT) Deval Shah / Jim Schneider	DATE 11/18	RECEIVED BY: (PRINT) Latoya McIntosh	DATE: 11/19/04
(SIGN)	TIME:	(SIGN)	TIME: 9:50
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME:

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

AmeriSci Work Order # 20041100060
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-07-101-L2
Sampling Date: 20041118 Time: 22:45 Receive Date: 20041119 Time: 9:50
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041123
Silver, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Arsenic, Water	ICP, EPA Method 200.7	0.024	0.010	mg/L	20041123
Barium, Water	ICP, EPA Method 200.7	0.29	0.0030	mg/L	20041123
Beryllium, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Cadmium, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Cobalt, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Chromium, Water	ICP, EPA Method 200.7	0.071	0.0030	mg/L	20041123
Copper, Water	ICP, EPA Method 200.7	0.019	0.0050	mg/L	20041123
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	<0.00020	0.00020	mg/L	20041123
Molybdenum, Water	ICP, EPA Method 200.7	0.025	0.0050	mg/L	20041123
Nickel, Water	ICP, EPA Method 200.7	<0.0050	0.0050	mg/L	20041123
Lead, Water, ICP	ICP, EPA Method 200.7	<0.0050	0.0050	mg/L	20041123
Antimony, Water	ICP, EPA Method 200.7	<0.0050	0.0050	mg/L	20041123
Selenium, Water	ICP, EPA Method 200.7	0.026	0.010	mg/L	20041123
Thallium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041123
Vanadium, Water	ICP, EPA Method 200.7	0.0072	0.0030	mg/L	20041123
Zinc, Water	ICP, EPA Method 200.7	0.022	0.010	mg/L	20041123
Aqueous Extraction, HCL	SW-846 3010	11/22/2004		DATE	20041122
Mercury water prep.	EPA Methods 245.1	11/23/2004		DATE	20041123
Chromium Hexavalent	EPA SW-846 7196A	0.11	0.010	mg/L	20041119
pH	EPA 150.1/SM 4500-H B	10.9	0.10	Units	20041119
Total Dissolved Solids	EPA Method 160.1	2300	10	mg/L	20041123
Hardness	2340B, Calculation Ca/Mg	680	5.0	mg/L	20041129
Alkalinity	EPA Method 2320B	1300	50	mg/L	20041122
Oil & Grease, Gravimetric	EPA Method 1664, AQ	17	4.2	mg/L	20041129
Aqueous, EPA 8260B/5030B					20041129
Dibromofluromethane (SU)	EPA Method 8260B	9		Percent	20041129
1,2-Dichloroethane (SU)	EPA Method 8260B	110		Percent	20041129
Toluene-d8 (SU)	EPA Method 8260B	100		Percent	20041129
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041129

AmeriSci Work Order #	20041100060	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

Chloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041129
Bromomethane	EPA Method 8260B	<25	25	ug/L	20041129
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041129
Acetone	EPA Method 8260B	<50	50	ug/L	20041129
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041129
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041129
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041129
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041129
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041129
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041129
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041129
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Chloroform	EPA Method 8260B	<5	5	ug/L	20041129
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041129
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041129
Benzene	EPA Method 8260B	<5	5	ug/L	20041129
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041129
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041129
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041129
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Toluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041129
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041129

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

1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromoform	EPA Method 8260B	<5	5	ug/L	20041129
Styrene	EPA Method 8260B	<5	5	ug/L	20041129
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trimethlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041129
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041129
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041124
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041124
8270 BNA, Aqueous					20041124
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	62.4		Percent	20041124
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	60.8		Percent	20041124
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	48.7		Percent	20041124
Phenol-d5 (Surr)	EPA 8270C, GC/MS	27.1		Percent	20041124
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	53.1		Percent	20041124
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	58.9		Percent	20041124
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	67.0		Percent	20041124
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	69.0		Percent	20041124
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<10	10	ug/L	20041124
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

AmeriSci Work Order # 20041100060
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

2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chloronaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-MethylNaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Nitrophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
3-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Chloroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
4-Nitroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Nitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Acenapthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Acenaphthylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzidine	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzo(a)anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(a)pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzoic Acid	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzyl Alcohol	EPA 8270 B/N, AQ	40	20	ug/L	20041124
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Chrysene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-butylphthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

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

AmeriSci Work Order # 20041100060
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

Dibenzofuran	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Diethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dimethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluorene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobutadiene	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachloroethane	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Isophorone	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	14	10	ug/L	20041124
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Naphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Nitrobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Pentachlorophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Phenanthrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Phenol	EPA 8270 Acid, AQ	19	10	ug/L	20041124
Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

Sample: 002 PCC-07-101-S2
Sampling Date: 20041118 Time: 22:45 Receive Date: 20041119 Time: 9:50
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
pH, Soil or Solid	EPA Method 150.1/9045	11.1	0.10	Unit	20041124
Title 22 Metals, Solid					20041129
Silver, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Arsenic, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Barium, Solid	ICP, SW-846 Method 6010B	66	1.0	mg/kg	20041129
Beryllium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cadmium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cobalt, Solid	ICP, SW-846 Method 6010B	2.6	1.0	mg/kg	20041129
Chromium, Solid	ICP, SW-846 Method 6010B	13	1.0	mg/kg	20041129
Copper, Solid	ICP, SW-846 Method 6010B	8.9	1.0	mg/kg	20041129
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041129
Molybdenum, Solid	ICP, SW-846 Method 6010B	2.3	1.0	mg/kg	20041129
Nickel, Solid	ICP, SW-846 Method 6010B	7.4	1.0	mg/kg	20041129
Lead, Solid	ICP, EPA SW-846 6010B	3.1	1.0	mg/kg	20041129
Antimony, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Selenium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Thallium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Vanadium, Solid	ICP, SW-846 Method 6010B	13	1.0	mg/kg	20041129

Zinc, Solid	ICP, SW-846 Method 6010B	50	1.0	mg/kg	20041129
Solid Extraction, HCL	SW-846, 3050	11/23/2004		DATE	20041123
Mercury solid prep	Mercury Solid Prep	11/23/2004		DATE	20041123
Chromium Hexavalent	EPA SW-846 7196A	0.14	0.10	mg/kg	20041122
Oil & Grease, Gravimetric	EPA Method 1664, Solid	1600	50	mg/kg	20041123
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041123
Oil Range Organic C28-C40	8015M, FID, Extractable	1300	50	mg/kg	20041124
Solid, 8260B/5030B					20041130
Dibromofluromethane (SU)	EPA Method 8260B	1.0		Percent	20041130
1,2-Dichloroethane (SU)	EPA Method 8260B	132		Percent	20041130
Toluene-d8 (SU)	EPA Method 8260B	96		Percent	20041130
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041130
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130

Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
8270 BNA, Solid					20041129
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	16.0		Percent	20041129
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	79.5		Percent	20041129

AmeriSci Work Order # 20041100060
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

2-Fluorophenol (Surr)	EPA 8270C, GC/MS	80.6		Percent	20041129
Phenol-d5 (Surr)	EPA 8270C, GC/MS	95.3		Percent	20041129
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	76.0		Percent	20041129
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	76.7		Percent	20041129
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	100		Percent	20041129
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	86.2		Percent	20041129
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20041129
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129

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

AmeriSci Work Order #	20041100060	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

Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	0.68	0.33	mg/Kg	20041129
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129

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

AmeriSci Work Order #	20041100060	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.

Advanced Technology Laboratories

3275 Walnut Avenue
Signal Hill CA 90807
(562) 989-4045 Phone
(562) 989-4040 Fax

Fax Transmittal Sheet

To: Clifton

From: Rachelle

RE: Results for 072435

Message:

Enclosed are the results for your project 11-060. Thank you very much for your business and we are looking forward to being of service to you.

This message is intended for the use of the individual or entity to which it is addressed. This may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address. Thank you.

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072435
Project: 11-060
Lab ID: 072435-001

Client Sample ID: 11-060-01
Collection Date: 11/18/2004 10:45:00 PM
Matrix: AQUEOUS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION						
	(EPA 3010A)			**SM 2340 B**		
RunID: ICP6_041129C	QC Batch: 20341				PrepDate: 11/23/2004	Analyst: **RQ**
Hardness As CaCO3	680	5.0		mg/L	1	11/29/2004
ICP METALS						
	(EPA 3010A)			**EPA 6010B**		
RunID: ICP6_041123B	QC Batch: 20307				PrepDate: 11/22/2004	Analyst: **RQ**
Antimony	ND	0.0050		mg/L	1	11/23/2004
Arsenic	0.024	0.010		mg/L	1	11/23/2004
Barium	0.29	0.0030		mg/L	1	11/23/2004
Beryllium	ND	0.0030		mg/L	1	11/23/2004
Cadmium	ND	0.0030		mg/L	1	11/23/2004
Chromium	0.071	0.0030		mg/L	1	11/23/2004
Cobalt	ND	0.0030		mg/L	1	11/23/2004
Copper	0.019	0.0050		mg/L	1	11/23/2004
Lead	ND	0.0050		mg/L	1	11/23/2004
Molybdenum	0.025	0.0050		mg/L	1	11/23/2004
Nickel	ND	0.0050		mg/L	1	11/23/2004
Selenium	0.026	0.010		mg/L	1	11/23/2004
Silver	ND	0.0030		mg/L	1	11/23/2004
Thallium	ND	0.015		mg/L	1	11/23/2004
Vanadium	0.0072	0.0030		mg/L	1	11/23/2004
Zinc	0.022	0.010		mg/L	1	11/23/2004
DISSOLVED METALS BY ICP						
	(EPA 3010A)			**EPA 6010B**		
RunID: ICP6_041129C	QC Batch: 20341				PrepDate: 11/23/2004	Analyst: **RQ**
Calcium	270	0.50		mg/L	1	11/29/2004
Magnesium	ND	0.10		mg/L	1	11/29/2004
OIL & GREASE						
	(EPA 1664 _HEM)			**EPA 1664 _HEM**		
RunID: WETCHEM2_041129B	QC Batch: 20391				PrepDate: 11/29/2004	Analyst: **MFP**
Oil & Grease	17	4.2		mg/L	1	11/29/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072435
Project: 11-060
Lab ID: 072435-001

Client Sample ID: 11-060-01
Collection Date: 11/18/2004 10:45:00 PM
Matrix: AQUEOUS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HEXAVALENT CHROMIUM						
				EPA 7196A		
RunID: WETCHEM3_041119E QC Batch: R43589				PrepDate:	11/19/2004	Analyst: MFP
Chromium, Hexavalent	0.11	0.010		mg/L	1	11/19/2004
MERCURY BY COLD VAPOR TECHNIQUE (EPA 7470)				**EPA 7470A**		
RunID: AA1_041123A QC Batch: 20308				PrepDate:	11/23/2004	Analyst: JT
Mercury	ND	0.20		µg/L	1	11/23/2004
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C)				**EPA 8270C**		
RunID: MS7_041124A QC Batch: 20324				PrepDate:	11/23/2004	Analyst: JWS
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/24/2004
1,2-Dichlorobenzene	ND	10		µg/L	1	11/24/2004
1,3-Dichlorobenzene	ND	10		µg/L	1	11/24/2004
1,4-Dichlorobenzene	ND	10		µg/L	1	11/24/2004
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/24/2004
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/24/2004
2,4-Dichlorophenol	ND	10		µg/L	1	11/24/2004
2,4-Dimethylphenol	ND	10		µg/L	1	11/24/2004
2,4-Dinitrophenol	ND	52		µg/L	1	11/24/2004
2,4-Dinitrotoluene	ND	10		µg/L	1	11/24/2004
2,6-Dinitrotoluene	ND	10		µg/L	1	11/24/2004
2-Chloronaphthalene	ND	10		µg/L	1	11/24/2004
2-Chlorophenol	ND	10		µg/L	1	11/24/2004
2-Methylnaphthalene	ND	10		µg/L	1	11/24/2004
2-Nitroaniline	ND	52		µg/L	1	11/24/2004
2-Nitrophenol	ND	10		µg/L	1	11/24/2004
3,3'-Dichlorobenzidine	ND	21		µg/L	1	11/24/2004
3-Nitroaniline	ND	52		µg/L	1	11/24/2004
4,6-Dinitro-2-methylphenol	ND	52		µg/L	1	11/24/2004
4-Bromophenyl-phenylether	ND	10		µg/L	1	11/24/2004
4-Chloro-3-methylphenol	ND	52		µg/L	1	11/24/2004
4-Chloroaniline	ND	21		µg/L	1	11/24/2004
4-Chlorophenyl-phenylether	ND	10		µg/L	1	11/24/2004
4-Nitroaniline	ND	21		µg/L	1	11/24/2004
4-Nitrophenol	ND	52		µg/L	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072435
Project: 11-060
Lab ID: 072435-001

Client Sample ID: 11-060-01
Collection Date: 11/18/2004 10:45:00 PM
Matrix: AQUEOUS

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C) **EPA 8270C**

RunID: MS7_041124A QC Batch: 20324 PrepDate: 11/23/2004 Analyst: JWS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	10		µg/L	1	11/24/2004
Acenaphthylene	ND	10		µg/L	1	11/24/2004
Anthracene	ND	10		µg/L	1	11/24/2004
Benzidine (M)	ND	52		µg/L	1	11/24/2004
Benzo(a)anthracene	ND	10		µg/L	1	11/24/2004
Benzo(a)pyrene	ND	10		µg/L	1	11/24/2004
Benzo(b)fluoranthene	ND	10		µg/L	1	11/24/2004
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/24/2004
Benzo(k)fluoranthene	ND	10		µg/L	1	11/24/2004
Benzoic acid	ND	52		µg/L	1	11/24/2004
Benzyl alcohol	40	21		µg/L	1	11/24/2004
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/24/2004
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/24/2004
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/24/2004
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/24/2004
Butylbenzylphthalate	ND	10		µg/L	1	11/24/2004
Chrysene	ND	10		µg/L	1	11/24/2004
Di-n-butylphthalate	ND	10		µg/L	1	11/24/2004
Di-n-octylphthalate	ND	10		µg/L	1	11/24/2004
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/24/2004
Dibenzofuran	ND	10		µg/L	1	11/24/2004
Diethylphthalate	ND	10		µg/L	1	11/24/2004
Dimethylphthalate	ND	10		µg/L	1	11/24/2004
Fluoranthene	ND	10		µg/L	1	11/24/2004
Fluorene	ND	10		µg/L	1	11/24/2004
Hexachlorobenzene	ND	10		µg/L	1	11/24/2004
Hexachlorobutadiene	ND	21		µg/L	1	11/24/2004
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/24/2004
Hexachloroethane	ND	10		µg/L	1	11/24/2004
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/24/2004
Isophorone	ND	10		µg/L	1	11/24/2004
N-Nitrosodi-n-propylamine	14	10		µg/L	1	11/24/2004
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/24/2004
Naphthalene	ND	10		µg/L	1	11/24/2004
Nitrobenzene	ND	10		µg/L	1	11/24/2004
Pentachlorophenol	ND	52		µg/L	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072435
Project: 11-060
Lab ID: 072435-001

Client Sample ID: 11-060-01
Collection Date: 11/18/2004 10:45:00 PM
Matrix: AQUEOUS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C)				**EPA 8270C**		
RunID: MS7_041124A	QC Batch: 20324			PrepDate: 11/23/2004		Analyst: JWS
Phenanthrene	ND	10		µg/L	1	11/24/2004
Phenol	19	10		µg/L	1	11/24/2004
Pyrene	ND	10		µg/L	1	11/24/2004
2-Methylphenol	ND	10		µg/L	1	11/24/2004
4-Methylphenol	ND	10		µg/L	1	11/24/2004
Surr: 1,2-Dichlorobenzene-d4	53.1	27-100		%REC	1	11/24/2004
Surr: 2,4,6-Tribromophenol	62.4	62-120		%REC	1	11/24/2004
Surr: 2-Chlorophenol-d4	60.8	34-98		%REC	1	11/24/2004
Surr: 2-Fluorobiphenyl	58.9	36-105		%REC	1	11/24/2004
Surr: 2-Fluorophenol	48.7	18-70		%REC	1	11/24/2004
Surr: 4-Terphenyl-d14	67.0	52-112		%REC	1	11/24/2004
Surr: Nitrobenzene-d5	69.0	33-107		%REC	1	11/24/2004
Surr: Phenol-d5	27.1	15-51		%REC	1	11/24/2004
PH				**EPA 150.1**		
RunID: PH1_041119A	QC Batch: R43629			PrepDate:		Analyst: BA
pH	10.90	0.10		pH Units	1	11/19/2004
TOTAL FILTERABLE RESIDUE IN WATER				**EPA 160.1**		
RunID: WETCHEM_041123B	QC Batch: R43647			PrepDate: 11/22/2004		Analyst: MJM
Total Dissolved Solids (Residue, Filterable)	2300	10		mg/L	1	11/23/2004
ALKALINITY				**EPA 310.1**		
RunID: WETCHEM_041122E	QC Batch: R43598			PrepDate:		Analyst: MJM
Alkalinity, Total (As CaCO3)	1300	50		mg/L	10	11/22/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072435
Project: 11-060
Lab ID: 072435-002

Client Sample ID: 11-060-02
Collection Date: 11/18/2004 10:45:00 PM
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041129C	QC Batch: 20338				PrepDate: 11/23/2004	Analyst: RQ
Antimony	ND	1.0		mg/Kg	1	11/29/2004
Arsenic	ND	1.0		mg/Kg	1	11/29/2004
Barium	66	1.0		mg/Kg	1	11/29/2004
Beryllium	ND	1.0		mg/Kg	1	11/29/2004
Cadmium	ND	1.0		mg/Kg	1	11/29/2004
Chromium	13	1.0		mg/Kg	1	11/29/2004
Cobalt	2.6	1.0		mg/Kg	1	11/29/2004
Copper	8.9	1.0		mg/Kg	1	11/29/2004
Lead	3.1	1.0		mg/Kg	1	11/29/2004
Molybdenum	2.3	1.0		mg/Kg	1	11/29/2004
Nickel	7.4	1.0		mg/Kg	1	11/29/2004
Selenium	ND	1.0		mg/Kg	1	11/29/2004
Silver	ND	1.0		mg/Kg	1	11/29/2004
Thallium	ND	1.0		mg/Kg	1	11/29/2004
Vanadium	13	1.0		mg/Kg	1	11/29/2004
Zinc	50	1.0		mg/Kg	1	11/29/2004
OIL & GREASE						
				EPA 1664 _HEM		
RunID: WETCHEM2_041123A	QC Batch: R43646				PrepDate: 11/23/2004	Analyst: MFP
Oil & Grease	1600	50		mg/Kg	1	11/23/2004
HEXAVALENT CHROMIUM						
				EPA 7196A		
RunID: WETCHEM3_041122C	QC Batch: R43617				PrepDate: 11/22/2004	Analyst: MFP
Chromium, Hexavalent	0.14	0.10		mg/Kg	1	11/22/2004
MERCURY BY COLD VAPOR TECHNIQUE						
	(EPA 7471)			**EPA 7471A**		
RunID: AA1_041124A	QC Batch: 20334				PrepDate: 11/23/2004	Analyst: JT
Mercury	ND	0.10		mg/Kg	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989 4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072435
Project: 11-060
Lab ID: 072435-002

Client Sample ID: 11-060-02
Collection Date: 11/18/2004 10:45:00 PM
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B) EPA 8270C						
RunID: MS7_041123A QC Batch: 20303 PrepDate: 11/22/2004 Analyst: JWS						
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	11/23/2004
1,2-Dichlorobenzene	ND	330		µg/Kg	1	11/23/2004
1,3-Dichlorobenzene	ND	330		µg/Kg	1	11/23/2004
1,4-Dichlorobenzene	ND	330		µg/Kg	1	11/23/2004
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	11/23/2004
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	11/23/2004
2,4-Dichlorophenol	ND	1600		µg/Kg	1	11/23/2004
2,4-Dimethylphenol	ND	330		µg/Kg	1	11/23/2004
2,4-Dinitrophenol	ND	1600		µg/Kg	1	11/23/2004
2,4-Dinitrotoluene	ND	330		µg/Kg	1	11/23/2004
2,6-Dinitrotoluene	ND	330		µg/Kg	1	11/23/2004
2-Chloronaphthalene	ND	330		µg/Kg	1	11/23/2004
2-Chlorophenol	ND	330		µg/Kg	1	11/23/2004
2-Methylnaphthalene	ND	330		µg/Kg	1	11/23/2004
2-Methylphenol	ND	330		µg/Kg	1	11/23/2004
2-Nitroaniline	ND	1600		µg/Kg	1	11/23/2004
2-Nitrophenol	ND	330		µg/Kg	1	11/23/2004
3,3'-Dichlorobenzidine	ND	660		µg/Kg	1	11/23/2004
3-Nitroaniline	ND	1600		µg/Kg	1	11/23/2004
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	11/23/2004
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	11/23/2004
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	11/23/2004
4-Chloroaniline	ND	660		µg/Kg	1	11/23/2004
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	11/23/2004
4-Methylphenol	ND	330		µg/Kg	1	11/23/2004
4-Nitroaniline	ND	1600		µg/Kg	1	11/23/2004
4-Nitrophenol	ND	1600		µg/Kg	1	11/23/2004
Acenaphthene	ND	330		µg/Kg	1	11/23/2004
Acenaphthylene	ND	330		µg/Kg	1	11/23/2004
Anthracene	ND	330		µg/Kg	1	11/23/2004
Benzidine (M)	ND	1600		µg/Kg	1	11/23/2004
Benzo(a)anthracene	ND	330		µg/Kg	1	11/23/2004
Benzo(a)pyrene	ND	330		µg/Kg	1	11/23/2004
Benzo(b)fluoranthene	ND	330		µg/Kg	1	11/23/2004
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	11/23/2004
Benzo(k)fluoranthene	ND	330		µg/Kg	1	11/23/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072435
Project: 11-060
Lab ID: 072435-002

Client Sample ID: 11-060-02
Collection Date: 11/18/2004 10:45:00 PM
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B)				**EPA 8270C**		
RunID: MS7_041123A	QC Batch: 20303			PrepDate:	11/22/2004	Analyst: JWS
Benzoic acid	ND	1600		µg/Kg	1	11/23/2004
Benzyl alcohol	ND	660		µg/Kg	1	11/23/2004
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	11/23/2004
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	11/23/2004
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	11/23/2004
Bis(2-ethylhexyl)phthalate	680	330		µg/Kg	1	11/23/2004
Butylbenzylphthalate	ND	330		µg/Kg	1	11/23/2004
Chrysene	ND	330		µg/Kg	1	11/23/2004
Di-n-butylphthalate	ND	330		µg/Kg	1	11/23/2004
Di-n-octylphthalate	ND	330		µg/Kg	1	11/23/2004
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	11/23/2004
Dibenzofuran	ND	330		µg/Kg	1	11/23/2004
Diethylphthalate	ND	330		µg/Kg	1	11/23/2004
Dimethylphthalate	ND	330		µg/Kg	1	11/23/2004
Fluoranthene	ND	330		µg/Kg	1	11/23/2004
Fluorene	ND	330		µg/Kg	1	11/23/2004
Hexachlorobenzene	ND	330		µg/Kg	1	11/23/2004
Hexachlorobutadiene	ND	660		µg/Kg	1	11/23/2004
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	11/23/2004
Hexachloroethane	ND	330		µg/Kg	1	11/23/2004
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	11/23/2004
Isophorone	ND	330		µg/Kg	1	11/23/2004
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	11/23/2004
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	11/23/2004
Naphthalene	ND	330		µg/Kg	1	11/23/2004
Nitrobenzene	ND	330		µg/Kg	1	11/23/2004
Pentachlorophenol	ND	1600		µg/Kg	1	11/23/2004
Phenanthrene	ND	330		µg/Kg	1	11/23/2004
Phenol	ND	330		µg/Kg	1	11/23/2004
Pyrene	ND	330		µg/Kg	1	11/23/2004
Surr: 1,2-Dichlorobenzene-d4	76.0	37-103		%REC	1	11/23/2004
Surr: 2,4,6-Tribromophenol	16.0	50-127	S	%REC	1	11/23/2004
Surr: 2-Chlorophenol-d4	79.5	49-103		%REC	1	11/23/2004
Surr: 2-Fluorobiphenyl	76.7	37-113		%REC	1	11/23/2004
Surr: 2-Fluorophenol	80.6	46-105		%REC	1	11/23/2004
Surr: 4-Terphenyl-d14	100	46-123		%REC	1	11/23/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072435
Project: 11-060
Lab ID: 072435-002

Client Sample ID: 11-060-02
Collection Date: 11/18/2004 10:45:00 PM
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B)				**EPA 8270C**		
RunID: MS7_041123A	QC Batch: 20303			PrepDate: 11/22/2004		Analyst: **JWS**
Surr: Nitrobenzene-d5	86.2	39-108		%REC	1	11/23/2004
Surr: Phenol-d5	95.3	51-107		%REC	1	11/23/2004
PH				**EPA 9045C**		
RunID: WETCHEM_041124I	QC Batch: R43706			PrepDate:		Analyst: **MJM**
pH	11.12	0.10		pH Units	1	11/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 8 of 8

Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

AMERI SCI
www.amerisci.com

CHAIN OF CUSTODY RECORD

___TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

___TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

[redacted]

PAGE 1 OF 1

DUE DATE:
❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ☒ 10 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: Amer Sci LA

ADDRESS:

PHONE: | FAX 1: | FAX 2:

CLIENT CONTACT: Clifton Kiser | EMAIL:

PROJECT NAME: 11-060 | PROJECT NUMBER: 11-060 | PROJECT STATE:

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

[redacted]

																			Notes:
11-060-01	Aqu	250ml	Poly	1	11/18/04	10:45 pm		G	None	X	CAM 17, Hardness								
↓	↓	1L	Poly	1	↓	↓		↓	N/A			X							
		1L	Amber	1					HCl				X						
		1L	Amber	1					N/A					X					
11-060-02	Solid	8oz	Jar	1	↓	↓		↓	N/A				X	X	X				

SAMPLED BY: (PRINT) Clifton Kiser	DATE: 11/18/04	RECEIVED BY: (PRINT) Lateet McIntosh	DATE: 11/19/04
(SIGN)	TIME: 12:35	(SIGN)	TIME: 12:35
RELINQUISHED BY: (PRINT) Lateet McIntosh	DATE: 11/19/04	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME: 1300	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE: 11/19/04
(SIGN)	TIME:	(SIGN)	TIME: 1300

101 N. Sea Cliff Ave

L2

CHAIN OF CUSTODY RECORD

AMERI SCI
www.amerisci.com

___TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

___TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

AMERISCI JOB NO:

PAGE 1 OF 1

DUE DATE: Standard

TEMP UPON RECEIPT:

❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ❑ 10 DAY

DATA PACKAGE:

P.O.#

COMPANY: B.A.S. & Associates.

ADDRESS: 1360 S. Valley Vista Dr. Diamond Bar, CA 91765

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

CLIENT CONTACT: Caltrans. Deval Shah | EMAIL: dshah@bas.com

PROJECT NAME: PCC - Study. | PROJECT NUMBER: 2004.0074 | 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 AT LOGIN	8260B, TPH-GRO.	8270C, TPH-DRO/ORO	Chrome6, pH, TDS, Alkalinity	Oil & Grease	CAM 17 Metals.	Slurry / Solid / Soil.	Notes:
	PCC-07-101-L2	A	40ml	V	4	11/18	10:45	DMS				X						
	PCC-07-101-L2	A	1L	G	2								X					
	PCC-07-101-L2	A	1L	P	1									X				
	PCC-07-101-L2	A	1L	G	1										X			
	PCC-07-101-L2	A	250	P	1											X		
	PCC-07-101-Soil-1	S	8oz	G	1												X	
	PCC-07-101-Soil-2	S	8oz	G	1												X	

SAMPLED BY: (PRINT) Deval Shah / Jim Schneider	DATE 11/18/04	RECEIVED BY: (PRINT) Latest / McIntosh	DATE: 11/19/04
(SIGN)	TIME:	(SIGN)	TIME: 4:50
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME:

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

AmeriSci Work Order # 20041100058
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-07-101-L3
Sampling Date: 20041118 Time: 11:58 Receive Date: 20041119 Time: 9:50
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041123
Silver, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Arsenic, Water	ICP, EPA Method 200.7	0.034	0.010	mg/L	20041123
Barium, Water	ICP, EPA Method 200.7	0.52	0.0030	mg/L	20041123
Beryllium, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Cadmium, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Cobalt, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Chromium, Water	ICP, EPA Method 200.7	0.30	0.0030	mg/L	20041123
Copper, Water	ICP, EPA Method 200.7	0.014	0.0050	mg/L	20041123
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	<0.00020	0.00020	mg/L	20041123
Molybdenum, Water	ICP, EPA Method 200.7	0.084	0.0050	mg/L	20041123
Nickel, Water	ICP, EPA Method 200.7	0.0089	0.0050	mg/L	20041123
Lead, Water, ICP	ICP, EPA Method 200.7	<0.0050	0.0050	mg/L	20041123
Antimony, Water	ICP, EPA Method 200.7	<0.0050	0.0050	mg/L	20041123
Selenium, Water	ICP, EPA Method 200.7	0.018	0.010	mg/L	20041123
Thallium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041123
Vanadium, Water	ICP, EPA Method 200.7	0.016	0.0030	mg/L	20041123
Zinc, Water	ICP, EPA Method 200.7	0.011	0.010	mg/L	20041123
Aqueous Extraction, HCL	SW-846 3010	11/22/2004		DATE	20041222
Mercury water prep.	EPA Methods 245.1	11/23/2004		DATE	20041223
Chromium Hexavalent	EPA SW-846 7196A	0.18	0.010	mg/L	20041119
pH	EPA 150.1/SM 4500-H B	11.4	0.10	Units	20041119
Total Dissolved Solids	EPA Method 160.1	2200	10	mg/L	20041123
Hardness	2340B, Calculation Ca/Mg	580	5.0	mg/L	20041129
Alkalinity	EPA Method 2320B	650	50	mg/L	20041122
Oil & Grease, Gravimetric	EPA Method 1664, AQ	15	8.2	mg/L	20041129
Aqueous, EPA 8260B/5030B					20041129
Dibromofluromethane (SU)	EPA Method 8260B	62		Percent	20041129
1,2-Dichloroethane (SU)	EPA Method 8260B	112		Percent	20041129
Toluene-d8 (SU)	EPA Method 8260B	100		Percent	20041129
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041129

AmeriSci Work Order #	20041100058	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

Chloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041129
Bromomethane	EPA Method 8260B	<25	25	ug/L	20041129
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041129
Acetone	EPA Method 8260B	<50	50	ug/L	20041129
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041129
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041129
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041129
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041129
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041129
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041129
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041129
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Chloroform	EPA Method 8260B	<5	5	ug/L	20041129
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041129
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041129
Benzene	EPA Method 8260B	<5	5	ug/L	20041129
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041129
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041129
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041129
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Toluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041129
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041129

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

1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromoform	EPA Method 8260B	<5	5	ug/L	20041129
Styrene	EPA Method 8260B	<5	5	ug/L	20041129
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trimethlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041129
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041129
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041124
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041124
8270 BNA, Aqueous					20041124
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	85.5		Percent	20041124
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	74.9		Percent	20041124
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	58.5		Percent	20041124
Phenol-d5 (Surr)	EPA 8270C, GC/MS	28.9		Percent	20041124
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	63.2		Percent	20041124
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	75.5		Percent	20041124
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	83.8		Percent	20041124
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	83.1		Percent	20041124
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<10	10	ug/L	20041124
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chloronaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-MethylNaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Nitrophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
3-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Chloroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
4-Nitroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Nitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Acenapthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Acenaphthylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzidine	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzo(a)anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(a)pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzoic Acid	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzyl Alcohol	EPA 8270 B/N, AQ	110	20	ug/L	20041124
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Chrysene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-butylphthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

Dibenzofuran	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Diethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dimethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluorene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobutadiene	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachloroethane	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Isophorone	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Naphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Nitrobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Pentachlorophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Phenanthrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Phenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

Sample: 002 PCC-07-101-S3
Sampling Date: 20041118 Time: 11:58 Receive Date: 20041119 Time: 9:50
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
pH, Soil or Solid	EPA Method 150.1/9045	11.0	0.10	Unit	20041124
Title 22 Metals, Solid					20041129
Silver, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Arsenic, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Barium, Solid	ICP, SW-846 Method 6010B	74	1.0	mg/kg	20041129
Beryllium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cadmium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cobalt, Solid	ICP, SW-846 Method 6010B	2.5	1.0	mg/kg	20041129
Chromium, Solid	ICP, SW-846 Method 6010B	14	1.0	mg/kg	20041129
Copper, Solid	ICP, SW-846 Method 6010B	7.6	1.0	mg/kg	20041129
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041129
Molybdenum, Solid	ICP, SW-846 Method 6010B	2.0	1.0	mg/kg	20041129
Nickel, Solid	ICP, SW-846 Method 6010B	7.3	1.0	mg/kg	20041129
Lead, Solid	ICP, EPA SW-846 6010B	2.9	1.0	mg/kg	20041129
Antimony, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Selenium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Thallium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Vanadium, Solid	ICP, SW-846 Method 6010B	14	1.0	mg/kg	20041129

Zinc, Solid	ICP, SW-846 Method 6010B	76	1.0	mg/kg	20041129
Solid Extraction, HCL	SW-846, 3050	11/23/2004		DATE	20041123
Mercury solid prep	Mercury Solid Prep	11/23/2004		DATE	20041123
Chromium Hexavalent	EPA SW-846 7196A	0.21	0.10	mg/kg	20041122
Oil & Grease, Gravimetric	EPA Method 1664, Solid	1400	50	mg/kg	20041123
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041123
Oil Range Organic C28-C40	8015M, FID, Extractable	910	50	mg/kg	20041124
Solid, 8260B/5030B					20041130
Dibromofluromethane (SU)	EPA Method 8260B	3.0		Percent	20041130
1,2-Dichloroethane (SU)	EPA Method 8260B	130		Percent	20041130
Toluene-d8 (SU)	EPA Method 8260B	98		Percent	20041130
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041130
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130

AmeriSci Work Order # 20041100058
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

Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
8270 BNA, Solid					20041129
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	11.4		Percent	20041129
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	86.1		Percent	20041129

AmeriSci Work Order # 20041100058
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

2-Fluorophenol (Surr)	EPA 8270C, GC/MS	74.1		Percent	20041129
Phenol-d5 (Surr)	EPA 8270C, GC/MS	99.5		Percent	20041129
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	92.3		Percent	20041129
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	103		Percent	20041129
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	115		Percent	20041129
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	99.5		Percent	20041129
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<10	10	mg/Kg	20041129
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<10	10	mg/Kg	20041129
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<60	60	mg/Kg	20041129
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<10	10	mg/Kg	20041129
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<60	60	mg/Kg	20041129
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
2-Chloronaphthalene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
2-Chlorophenol	EPA 8270 Acid, Soil	<10	10	mg/Kg	20041129
2-MethylNaphthalene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<10	10	mg/Kg	20041129
2-Nitroaniline	EPA 8270 B/N, Soil	<60	60	mg/Kg	20041129
2-Nitrophenol	EPA 8270 Acid, Soil	<10	10	mg/Kg	20041129
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<30	30	mg/Kg	20041129
3-Nitroaniline	EPA 8270 B/N, Soil	<60	60	mg/Kg	20041129
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<60	60	mg/Kg	20041129
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<30	30	mg/Kg	20041129
4-Chloroaniline	EPA 8270 B/N, Soil	<30	30	mg/Kg	20041129
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<10	10	mg/Kg	20041129
4-Nitroaniline	EPA 8270 B/N, Soil	<60	60	mg/Kg	20041129
4-Nitrophenol	EPA 8270 Acid, Soil	<60	60	mg/Kg	20041129
Acenaphthene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Acenaphthylene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Anthracene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Benzidine	EPA 8270 B/N, Soil	<60	60	mg/Kg	20041129
Benzo(a)anthracene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Benzo(a)pyrene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Benzoic Acid	EPA 8270 B/N, Soil	<60	60	mg/Kg	20041129

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

AmeriSci Work Order # 20041100058
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

Benzyl Alcohol	EPA 8270 B/N, Soil	<30	30	mg/Kg	20041129
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Chrysene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Di-n-butylphthalate	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Dibenzofuran	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Diethyl Phthalate	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Dimethyl Phthalate	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Fluoranthene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Fluorene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Hexachlorobenzene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Hexachlorobutadiene	EPA 8270 B/N, Soil	<30	30	mg/Kg	20041129
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<30	30	mg/Kg	20041129
Hexachloroethane	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Isophorone	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Naphthalene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Nitrobenzene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Pentachlorophenol	EPA 8270 Acid, Soil	<60	60	mg/Kg	20041129
Phenanthrene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129
Phenol	EPA 8270 Acid, Soil	<10	10	mg/Kg	20041129
Pyrene	EPA 8270 B/N, Soil	<10	10	mg/Kg	20041129

AmeriSci Work Order #	20041100058	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.

101 N. Sea Cliff Ave. L3.

AMERI SCI

www.amerisci.com

CHAIN OF CUSTODY RECORD

____TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

____TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

AMERISCI JOB NO:

PAGE _____ OF _____

DUE DATE:

TEMP UPON RECEIPT:

❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ❑ 10 DAY

DATA PACKAGE:

P.O.#

COMPANY: B.A.S & Associates.

ADDRESS: 1360 South Diamond Bar Valley Vista Dr. Diamond Bar, CA 91765

PHONE: 909 860 7777

FAX 1: 909 860 8017

FAX 2:

CLIENT CONTACT: Deval Shah Caltrans,

EMAIL: dshah@bas.com

PROJECT NAME: PCC - Steady

PROJECT NUMBER: 2004.0074

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 AT LOGIN	8260 B, TPH-GRO	8270 C, TPH-DRO/ORO	Chrome 6, pH, TDS, Metals	Oil & Grease	CAM 17 Metals	Slurry / Solid Paraffin	Notes:
	PCC-07-101-L3	A	40ml	V	4	11/18	11:55	DML				X						
		A	1L	G	2								X					
		A	1L	P	1									X				
		A	1L	G	1										X			
		A	250ml	P	1											X		
	PCC-07-101-S3	S	8oz	G	1												X	
	PCC-07-101-S3	S	8oz	G	1												X	

SAMPLED BY: (PRINT) Deval Shah / Jim Schneider	DATE 11/18	RECEIVED BY: (PRINT) Lafatty McIntosh	DATE: 11/18/04
(SIGN)	TIME:	(SIGN)	TIME: 9:50
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME:

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

AmeriSci Work Order # 20041100061
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-07-101-L4
Sampling Date: 20041119 Time: 1:45 Receive Date: 20041119 Time: 9:50
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041123
Silver, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Arsenic, Water	ICP, EPA Method 200.7	0.030	0.030	mg/L	20041123
Barium, Water	ICP, EPA Method 200.7	0.89	0.0030	mg/L	20041123
Beryllium, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Cadmium, Water	ICP, EPA Method 200.7	<0.0030	0.0030	mg/L	20041123
Cobalt, Water	ICP, EPA Method 200.7	0.0047	0.0030	mg/L	20041123
Chromium, Water	ICP, EPA Method 200.7	0.38	0.0030	mg/L	20041123
Copper, Water	ICP, EPA Method 200.7	<0.0050	0.0050	mg/L	20041123
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	<0.00020	0.00020	mg/L	20041123
Molybdenum, Water	ICP, EPA Method 200.7	0.058	0.0050	mg/L	20041123
Nickel, Water	ICP, EPA Method 200.7	0.022	0.0050	mg/L	20041123
Lead, Water, ICP	ICP, EPA Method 200.7	<0.0050	0.0050	mg/L	20041123
Antimony, Water	ICP, EPA Method 200.7	<0.0050	0.0050	mg/L	20041123
Selenium, Water	ICP, EPA Method 200.7	0.035	0.010	mg/L	20041123
Thallium, Water	ICP, EPA Method 200.7	<0.015	0.015	mg/L	20041123
Vanadium, Water	ICP, EPA Method 200.7	0.030	0.010	mg/L	20041123
Zinc, Water	ICP, EPA Method 200.7	0.033	0.010	mg/L	20041123
Aqueous Extraction, HCL	SW-846 3010	11/22/2004		DATE	20041122
Mercury water prep.	EPA Methods 245.1	11/23/2004		DATE	20041123
Chromium Hexavalent	EPA SW-846 7196A	0.16	0.010	mg/L	20041119
pH	EPA 150.1/SM 4500-H B	11.7	0.10	Units	20041119
Total Dissolved Solids	EPA Method 160.1	1400	10	mg/L	20041123
Hardness	2340B, Calculation Ca/Mg	500	5.0	mg/L	20041129
Alkalinity	EPA Method 2320B	660	25	mg/L	20041122
Oil & Grease, Gravimetric	EPA Method 1664, AQ	8.4	4.1	mg/L	20041129
Aqueous, EPA 8260B/5030B					20041129
Dibromofluromethane (SU)	EPA Method 8260B	52		Percent	20041129
1,2-Dichloroethane (SU)	EPA Method 8260B	110		Percent	20041129
Toluene-d8 (SU)	EPA Method 8260B	100		Percent	20041129
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041129

AmeriSci Work Order # 20041100061
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

Chloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041129
Bromomethane	EPA Method 8260B	<25	25	ug/L	20041129
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041129
Acetone	EPA Method 8260B	<50	50	ug/L	20041129
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041129
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041129
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041129
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041129
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041129
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041129
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041129
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Chloroform	EPA Method 8260B	11	5	ug/L	20041129
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041129
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041129
Benzene	EPA Method 8260B	<5	5	ug/L	20041129
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041129
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041129
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041129
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Toluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041129
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041129

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

1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromoform	EPA Method 8260B	<5	5	ug/L	20041129
Styrene	EPA Method 8260B	<5	5	ug/L	20041129
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trimethlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041129
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041129
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041124
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041124
8270 BNA, Aqueous					20041124
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	82.8		Percent	20041124
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	67.4		Percent	20041124
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	41.9		Percent	20041124
Phenol-d5 (Surr)	EPA 8270C, GC/MS	27.4		Percent	20041124
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	75.5		Percent	20041124
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	72.3		Percent	20041124
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	84.9		Percent	20041124
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	88.2		Percent	20041124
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<10	10	ug/L	20041124
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

AmeriSci Work Order # 20041100061
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

2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chloronaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-MethylNaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Nitrophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
3-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Chloroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
4-Nitroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Nitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Acenapthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Acenaphthylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzidine	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzo(a)anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(a)pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzoic Acid	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzyl Alcohol	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Chrysene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-butylphthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

AmeriSci Work Order # 20041100061
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

Dibenzofuran	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Diethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dimethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluorene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobutadiene	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachloroethane	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Isophorone	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Naphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Nitrobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Pentachlorophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Phenanthrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Phenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

Sample: 002 PCC-07-101-S4
Sampling Date: 20041119 Time: 1:45 Receive Date: 20041119 Time: 9:50
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
pH, Soil or Solid	EPA Method 150.1/9045	11.0	0.10	Unit	20041124
Title 22 Metals, Solid					20041129
Silver, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Arsenic, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Barium, Solid	ICP, SW-846 Method 6010B	61	1.0	mg/kg	20041129
Beryllium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cadmium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cobalt, Solid	ICP, SW-846 Method 6010B	2.8	1.0	mg/kg	20041129
Chromium, Solid	ICP, SW-846 Method 6010B	15	1.0	mg/kg	20041129
Copper, Solid	ICP, SW-846 Method 6010B	17	1.0	mg/kg	20041129
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041129
Molybdenum, Solid	ICP, SW-846 Method 6010B	2.7	1.0	mg/kg	20041129
Nickel, Solid	ICP, SW-846 Method 6010B	8.2	1.0	mg/kg	20041129
Lead, Solid	ICP, EPA SW-846 6010B	4.4	1.0	mg/kg	20041129
Antimony, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Selenium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Thallium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Vanadium, Solid	ICP, SW-846 Method 6010B	15	1.0	mg/kg	20041129

AmeriSci Work Order # 20041100061
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

Zinc, Solid	ICP, SW-846 Method 6010B	45	1.0	mg/kg	20041129
Solid Extraction, HCL	SW-846, 3050	11/23/2004		DATE	20041129
Mercury solid prep	Mercury Solid Prep	11/23/2004		DATE	20041129
Chromium Hexavalent	EPA SW-846 7196A	0.23	0.10	mg/kg	20041122
Oil & Grease, Gravimetric	EPA Method 1664, Solid	440	50	mg/kg	20041123
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041123
Oil Range Organic C28-C40	8015M, FID, Extractable	730	50	mg/kg	20041124
Solid, 8260B/5030B					20041130
Dibromofluromethane (SU)	EPA Method 8260B	0		Percent	20041130
1,2-Dichloroethane (SU)	EPA Method 8260B	134		Percent	20041130
Toluene-d8 (SU)	EPA Method 8260B	94		Percent	20041130
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041130
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130

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

AmeriSci Work Order # 20041100061
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

Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
8270 BNA, Solid					20041129
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	36.9		Percent	20041129
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	76.4		Percent	20041129

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

AmeriSci Work Order # 20041100061
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

2-Fluorophenol (Surr)	EPA 8270C, GC/MS	70.3		Percent	20041129
Phenol-d5 (Surr)	EPA 8270C, GC/MS	91.6		Percent	20041129
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	75.7		Percent	20041129
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	77.7		Percent	20041129
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	95.9		Percent	20041129
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	85.0		Percent	20041129
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20041129
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129

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

AmeriSci Work Order # 20041100061
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

Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129

AmeriSci Work Order #	20041100061	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.

AMERI SCI
www.amerisci.com

CHAIN OF CUSTODY RECORD

___TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

___TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

AMERISCI JOB NO: Standard

PAGE 1 OF 1

DUE DATE:

❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ❑ 10 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: Cal Trans Deval Shah EMAIL: d shah@bas.com

PROJECT NAME: PCC Study. PROJECT NUMBER: 2004.0074 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	SAMPLING INFORMATION TIME	SAMPLING INFORMATION TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PH AT LOGIN	8260B, TPH-GRO	8270C, TPH-DRO/ORO	Cr+6, pH, TDS, Alkalinity	Oil & Grease	CAM 17 Metal	slurry / Solid Para.	Notes:
	PCC-07-101-L4	A	40 ml	V	4	11/18	1:45	DMS		HCl		X						
	↓	A	1L	G	2	↓	↓	↓		—			X					
		A	1L	P	1					—				X				
		A	1L	G	1					HCl					X			
	↓	A	250	P	1					Nitric						X		
	PCC-07-101-S4	S	8oz	G	1					—							X	
	↓	S	8oz	G	1		↓			—							X	

SAMPLED BY: (PRINT) Deval Shah / Jim Schnider.	DATE 11/18/04	RECEIVED BY: (PRINT) Lateefa McIntosh	DATE: 11/19/04
(SIGN)	TIME:	(SIGN)	TIME: 9:50
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME:

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

AmeriSci Work Order # 20041100059
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-07-101-L5
Sampling Date: 20041118 Time: 3:50 Receive Date: 20041119 Time: 9:50
Matrix: AQ

Parameter	Method	Results	PQL	Units	Analysis Date
Title 22 Metals, Water					20041123
Silver, Water	ICP, EPA Method 200.7	<0.0075	0.0075	mg/L	20041123
Arsenic, Water	ICP, EPA Method 200.7	0.062	0.025	mg/L	20041123
Barium, Water	ICP, EPA Method 200.7	2.1	0.0075	mg/L	20041123
Beryllium, Water	ICP, EPA Method 200.7	<0.0075	0.0075	mg/L	20041123
Cadmium, Water	ICP, EPA Method 200.7	<0.0075	0.0075	mg/L	20041123
Cobalt, Water	ICP, EPA Method 200.7	<0.0075	0.0075	mg/L	20041123
Chromium, Water	ICP, EPA Method 200.7	0.17	0.0075	mg/L	20041123
Copper, Water	ICP, EPA Method 200.7	<0.012	0.012	mg/L	20041123
Mercury, Water, Cold Vapor	AA, SW-846 Method 7470	<0.00050	0.00050	mg/L	20041123
Molybdenum, Water	ICP, EPA Method 200.7	0.049	0.012	mg/L	20041123
Nickel, Water	ICP, EPA Method 200.7	0.013	0.012	mg/L	20041123
Lead, Water, ICP	ICP, EPA Method 200.7	<0.012	0.012	mg/L	20041123
Antimony, Water	ICP, EPA Method 200.7	<0.012	0.012	mg/L	20041123
Selenium, Water	ICP, EPA Method 200.7	0.050	0.025	mg/L	20041123
Thallium, Water	ICP, EPA Method 200.7	<0.038	0.038	mg/L	20041123
Vanadium, Water	ICP, EPA Method 200.7	0.022	0.0075	mg/L	20041123
Zinc, Water	ICP, EPA Method 200.7	0.080	0.025	mg/L	20041123
Aqueous Extraction, HCL	SW-846 3010	11/22/2004		DATE	20041123
Mercury water prep.	EPA Methods 245.1	11/23/2004		DATE	20041123
Chromium Hexavalent	EPA SW-846 7196A	0.089	0.020	mg/L	20041119
pH	EPA 150.1/SM 4500-H B	12.1	0.10	Units	20041119
Total Dissolved Solids	EPA Method 160.1	3900	10	mg/L	20041123
Hardness	2340B, Calculation Ca/Mg	1700	5.0	mg/L	20041129
Alkalinity	EPA Method 2320B	1700	50	mg/L	20041122
Oil & Grease, Gravimetric	EPA Method 1664, AQ	16	9.4	mg/L	20041129
Aqueous, EPA 8260B/5030B					20041129
Dibromofluromethane (SU)	EPA Method 8260B	2		Percent	20041129
1,2-Dichloroethane (SU)	EPA Method 8260B	108		Percent	20041129
Toluene-d8 (SU)	EPA Method 8260B	100		Percent	20041129
Dichlorodifluoromethane	EPA Method 8260B	<5	5	ug/L	20041129

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

AmeriSci Work Order # 20041100059
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

Chloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl chloride	EPA Method 8260B	<5	5	ug/L	20041129
Bromomethane	EPA Method 8260B	<25	25	ug/L	20041129
Chloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Trichlorofluoromethane	EPA Method 8260B	<5	5	ug/L	20041129
Acetone	EPA Method 8260B	<50	50	ug/L	20041129
1,1-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
t-Butyl Alcohol (TBA)	EPA Method 8260B	<250	250	ug/L	20041129
Methylene chloride	EPA Method 8260B	<25	25	ug/L	20041129
Freon 113	EPA Mehtod 8260B	<50	50	ug/L	20041129
Carbon disulfide	EPA Method 8260B	<50	50	ug/L	20041129
trans-1,2-Dichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Methyl-tert-butyl-ether	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Vinyl acetate	EPA Method 8260B	<50	50	ug/L	20041129
Diisopropyl Ether (DIPE)	EPA Method 8260B	<5	5	ug/L	20041129
2-Butanone-(MEK)	EPA Method 8260B	<25	25	ug/L	20041129
cis-1,2-Dichloroethylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
Chloroform	EPA Method 8260B	<5	5	ug/L	20041129
2,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Ethyl-t-Butyl Ether (ETBE)	EPA Method 8260B	<5	5	ug/L	20041129
1,1,1-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,1-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
Carbon tetrachloride	EPA Method 8260B	<5	5	ug/L	20041129
Benzene	EPA Method 8260B	<5	5	ug/L	20041129
t-Amyl methyl ether (TAME)	EPA Method 8260B	<5	5	ug/L	20041129
Dibromomethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Trichloroethene	EPA Method 8260B	<5	5	ug/L	20041129
Bromodichloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Chloroethylvinylether	EPA Method 8260B	<20	20	ug/L	20041129
cis-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<20	20	ug/L	20041129
trans-1,3-Dichloropropene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2-Trichloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Toluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromoethane(EDB)	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Dibromochloromethane	EPA Method 8260B	<5	5	ug/L	20041129
2-Hexanone	EPA Method 8260B	<20	20	ug/L	20041129
Tetrachloroethene	EPA Method 8260B	<5	5	ug/L	20041129

AmeriSci Work Order # 20041100059
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

1,1,1,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
Chlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Ethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
m,p-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
Bromoform	EPA Method 8260B	<5	5	ug/L	20041129
Styrene	EPA Method 8260B	<5	5	ug/L	20041129
o-Xylene	EPA Method 8260B	<5	5	ug/L	20041129
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,3-Trichloropropane	EPA Method 8260B	<5	5	ug/L	20041129
Isopropylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
Bromobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Propylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
2-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
4-Chlorotoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,3,5-Trimethylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
tert-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trimethlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
sec-Butlybenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,3-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,4-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
p-Isopropyltoluene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
n-Butylbenzene	EPA Method 8260B	<5	5	ug/L	20041129
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<5	5	ug/L	20041129
1,2,4-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Naphthalene	EPA Method 8260B	<5	5	ug/L	20041129
Hexachlorobutadiene	EPA Method 8260B	<20	20	ug/L	20041129
1,2,3-Trichlorobenzene	EPA Method 8260B	<5	5	ug/L	20041129
Diesel Range Organic C8-C28	8015M, FID, Extractable	<5	5	mg/L	20041124
Oil Range Organic C28-C40	8015M, FID, Extractable	<10	10	mg/L	20041124
8270 BNA, Aqueous					20041124
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	87.0		Percent	20041124
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	79.6		Percent	20041124
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	57.0		Percent	20041124
Phenol-d5 (Surr)	EPA 8270C, GC/MS	18.0		Percent	20041124
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	77.9		Percent	20041124
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	76.7		Percent	20041124
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	85.4		Percent	20041124
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	92.1		Percent	20041124
1,2,4-Trichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,2-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
1,3-Dichlorobenzene	EPA 8270 B/N, Aq	<10	10	ug/L	20041124
1,4-Dichlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

2,4,5-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4,6-Trichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dichlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dimethylphenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2,4-Dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
2,4-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2,6-Dinitrotoluene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chloronaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Chlorophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-MethylNaphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2-Methylphenol (o-Cresol)	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
2-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Nitrophenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
3,3'-Dichlorbenzidine	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
3-Nitroaniline	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
4-Chloroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
4-Nitroaniline	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
4-Nitrophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Acenapthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Acenaphthylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzidine	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzo(a)anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(a)pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(b)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo (g,h,i) perylene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzo(k)fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Benzoic Acid	EPA 8270 B/N, AQ	<50	50	ug/L	20041124
Benzyl Alcohol	EPA 8270 B/N, AQ	40	20	ug/L	20041124
Bis-(2-Chloroethoxy)-methan	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroethyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Butyl Benzyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Chrysene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-butylphthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Di-n-octyl phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dibenzo(a,h)Anthracene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

Dibenzofuran	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Diethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Dimethyl Phthalate	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluoranthene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Fluorene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachlorobutadiene	EPA 8270 B/N, AQ	<20	20	ug/L	20041124
Hexachlorocyclopentadiene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Hexachloroethane	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Isophorone	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitroso-di-n-propylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
N-Nitrosodiphenylamine	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Naphthalene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Nitrobenzene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Pentachlorophenol	EPA 8270 Acid, AQ	<50	50	ug/L	20041124
Phenanthrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124
Phenol	EPA 8270 Acid, AQ	<10	10	ug/L	20041124
Pyrene	EPA 8270 B/N, AQ	<10	10	ug/L	20041124

Sample: 002 PCC-07-101-S5
Sampling Date: 20041118 Time: 3:50 Receive Date: 20041119 Time: 9:50
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
pH, Soil or Solid	EPA Method 150.1/9045	11.8	0.10	Unit	20041124
Title 22 Metals, Solid					20041129
Silver, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Arsenic, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Barium, Solid	ICP, SW-846 Method 6010B	63	1.0	mg/kg	20041129
Beryllium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cadmium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Cobalt, Solid	ICP, SW-846 Method 6010B	2.3	1.0	mg/kg	20041129
Chromium, Solid	ICP, SW-846 Method 6010B	11	1.0	mg/kg	20041129
Copper, Solid	ICP, SW-846 Method 6010B	6.8	1.0	mg/kg	20041129
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.10	0.10	mg/kg	20041129
Molybdenum, Solid	ICP, SW-846 Method 6010B	3.6	1.0	mg/kg	20041129
Nickel, Solid	ICP, SW-846 Method 6010B	6.4	1.0	mg/kg	20041129
Lead, Solid	ICP, EPA SW-846 6010B	2.2	1.0	mg/kg	20041129
Antimony, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Selenium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Thallium, Solid	ICP, SW-846 Method 6010B	<1.0	1.0	mg/kg	20041129
Vanadium, Solid	ICP, SW-846 Method 6010B	11	1.0	mg/kg	20041129

AmeriSci Work Order #	20041100059	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

Zinc, Solid	ICP, SW-846 Method 6010B	47	1.0	mg/kg	20041129
Solid Extraction, HCL	SW-846, 3050	11/23/2004		DATE	20041129
Mercury solid prep	Mercury Solid Prep	11/23/2004		DATE	20041129
Chromium Hexavalent	EPA SW-846 7196A	0.15	0.10	mg/kg	20041122
Oil & Grease, Gravimetric	EPA Method 1664, Solid	120	50	mg/kg	20041123
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20041123
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20041124
Solid, 8260B/5030B					20041130
Dibromofluromethane (SU)	EPA Method 8260B	0		Percent	20041130
1,2-Dichloroethane (SU)	EPA Method 8260B	130		Percent	20041130
Toluene-d8 (SU)	EPA Method 8260B	90		Percent	20041130
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.25	0.25	mg/kg	20041130
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20041130
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
Diisopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130

Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20041130
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
sec-Butlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20041130
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20041130
8270 BNA, Solid					20041129
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	48.6		Percent	20041129
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	52.6		Percent	20041129

2-Fluorophenol (Surr)	EPA 8270C, GC/MS	33.9		Percent	20041129
Phenol-d5 (Surr)	EPA 8270C, GC/MS	77.1		Percent	20041129
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	85.6		Percent	20041129
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	91.7		Percent	20041129
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	93.8		Percent	20041129
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	104		Percent	20041129
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20041129
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
2&4-Methylphenol(m&p-Cres	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20041129

AmeriSci Work Order #	20041100059	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

Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20041129
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20041129
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20041129
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20041129

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

AmeriSci Work Order #	20041100059	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.

Advanced Technology Laboratories

3275 Walnut Avenue
Signal Hill CA 90807
(562) 989-4045 Phone
(562) 989-4040 Fax

Fax Transmittal Sheet

To: Clifton

From: Rachelle

RE: Results for 072438

Message:

Enclosed are the results for your project 11-059. Thank you very much for your business and we are looking forward to being of service to you.

This message is intended for the use of the individual or entity to which it is addressed. This may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address. Thank you.

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072438
Project: 11-059
Lab ID: 072438-001

Client Sample ID: 11-059-01
Collection Date: 11/19/2004 3:50:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HARDNESS BY CALCULATION						
	(EPA 3010A)			**SM 2340 B**		
RunID: ICP6_041129C	QC Batch: 20341			PrepDate:	11/23/2004	Analyst: RQ
Hardness As CaCO3	1700	5.0		mg/L	1	11/29/2004
ICP METALS						
	(EPA 3010A)			**EPA 6010B**		
RunID: ICP6_041123B	QC Batch: 20307			PrepDate:	11/22/2004	Analyst: RQ
Antimony	ND	0.012		mg/L	1	11/23/2004
Arsenic	0.062	0.025		mg/L	1	11/23/2004
Barium	2.1	0.0075		mg/L	1	11/23/2004
Beryllium	ND	0.0075		mg/L	1	11/23/2004
Cadmium	ND	0.0075		mg/L	1	11/23/2004
Chromium	0.17	0.0075		mg/L	1	11/23/2004
Cobalt	ND	0.0075		mg/L	1	11/23/2004
Copper	ND	0.012		mg/L	1	11/23/2004
Lead	ND	0.012		mg/L	1	11/23/2004
Molybdenum	0.049	0.012		mg/L	1	11/23/2004
Nickel	0.013	0.012		mg/L	1	11/23/2004
Selenium	0.050	0.025		mg/L	1	11/23/2004
Silver	ND	0.0075		mg/L	1	11/23/2004
Thallium	ND	0.038		mg/L	1	11/23/2004
Vanadium	0.022	0.0075		mg/L	1	11/23/2004
Zinc	0.080	0.025		mg/L	1	11/23/2004
DISSOLVED METALS BY ICP						
	(EPA 3010A)			**EPA 6010B**		
RunID: ICP6_041129C	QC Batch: 20341			PrepDate:	11/23/2004	Analyst: RQ
Calcium	660	2.5		mg/L	5	11/29/2004
Magnesium	ND	0.10		mg/L	1	11/29/2004
OIL & GREASE						
	(EPA 1664 _HEM)			**EPA 1664 _HEM**		
RunID: WETCHEM2_041129B	QC Batch: 20391			PrepDate:	11/29/2004	Analyst: MFP
Oil & Grease	16	9.4		mg/L	1	11/29/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072438
Project: 11-059
Lab ID: 072438-001

Client Sample ID: 11-059-01
Collection Date: 11/19/2004 3:50:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HEXAVALENT CHROMIUM						
				EPA 7196A		
RunID: WETCHEM3_041119E	QC Batch: R43589			PrepDate:	11/19/2004	Analyst: MFP
Chromium, Hexavalent	0.089	0.020		mg/L	2	11/19/2004
MERCURY BY COLD VAPOR TECHNIQUE (EPA 7470)				**EPA 7470A**		
RunID: AA1_041123A	QC Batch: 20308			PrepDate:	11/23/2004	Analyst: JT
Mercury	ND	0.50		µg/L	1	11/23/2004
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C)				**EPA 8270C**		
RunID: MS7_041124A	QC Batch: 20324			PrepDate:	11/23/2004	Analyst: JWS
1,2,4-Trichlorobenzene	ND	14		µg/L	1	11/24/2004
1,2-Dichlorobenzene	ND	14		µg/L	1	11/24/2004
1,3-Dichlorobenzene	ND	14		µg/L	1	11/24/2004
1,4-Dichlorobenzene	ND	14		µg/L	1	11/24/2004
2,4,5-Trichlorophenol	ND	14		µg/L	1	11/24/2004
2,4,6-Trichlorophenol	ND	14		µg/L	1	11/24/2004
2,4-Dichlorophenol	ND	14		µg/L	1	11/24/2004
2,4-Dimethylphenol	ND	14		µg/L	1	11/24/2004
2,4-Dinitrophenol	ND	68		µg/L	1	11/24/2004
2,4-Dinitrotoluene	ND	14		µg/L	1	11/24/2004
2,6-Dinitrotoluene	ND	14		µg/L	1	11/24/2004
2-Chloronaphthalene	ND	14		µg/L	1	11/24/2004
2-Chlorophenol	ND	14		µg/L	1	11/24/2004
2-Methylnaphthalene	ND	14		µg/L	1	11/24/2004
2-Nitroaniline	ND	68		µg/L	1	11/24/2004
2-Nitrophenol	ND	14		µg/L	1	11/24/2004
3,3'-Dichlorobenzidine	ND	27		µg/L	1	11/24/2004
3-Nitroaniline	ND	68		µg/L	1	11/24/2004
4,6-Dinitro-2-methylphenol	ND	68		µg/L	1	11/24/2004
4-Bromophenyl-phenylether	ND	14		µg/L	1	11/24/2004
4-Chloro-3-methylphenol	ND	68		µg/L	1	11/24/2004
4-Chloroaniline	ND	27		µg/L	1	11/24/2004
4-Chlorophenyl-phenylether	ND	14		µg/L	1	11/24/2004
4-Nitroaniline	ND	27		µg/L	1	11/24/2004
4-Nitrophenol	ND	68		µg/L	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072438
Project: 11-059
Lab ID: 072438-001

Client Sample ID: 11-059-01
Collection Date: 11/19/2004 3:50:00 AM
Matrix: WATER

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C) **EPA 8270C**

RunID: MS7_041124A QC Batch: 20324 PrepDate: 11/23/2004 Analyst: JWS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	14		µg/L	1	11/24/2004
Acenaphthylene	ND	14		µg/L	1	11/24/2004
Anthracene	ND	14		µg/L	1	11/24/2004
Benzidine (M)	ND	68		µg/L	1	11/24/2004
Benzo(a)anthracene	ND	14		µg/L	1	11/24/2004
Benzo(a)pyrene	ND	14		µg/L	1	11/24/2004
Benzo(b)fluoranthene	ND	14		µg/L	1	11/24/2004
Benzo(g,h,i)perylene	ND	14		µg/L	1	11/24/2004
Benzo(k)fluoranthene	ND	14		µg/L	1	11/24/2004
Benzoic acid	ND	68		µg/L	1	11/24/2004
Benzyl alcohol	40	27		µg/L	1	11/24/2004
Bis(2-chloroethoxy)methane	ND	14		µg/L	1	11/24/2004
Bis(2-chloroethyl)ether	ND	14		µg/L	1	11/24/2004
Bis(2-chloroisopropyl)ether	ND	14		µg/L	1	11/24/2004
Bis(2-ethylhexyl)phthalate	ND	14		µg/L	1	11/24/2004
Butylbenzylphthalate	ND	14		µg/L	1	11/24/2004
Chrysene	ND	14		µg/L	1	11/24/2004
Di-n-butylphthalate	ND	14		µg/L	1	11/24/2004
Di-n-octylphthalate	ND	14		µg/L	1	11/24/2004
Dibenz(a,h)anthracene	ND	14		µg/L	1	11/24/2004
Dibenzofuran	ND	14		µg/L	1	11/24/2004
Diethylphthalate	ND	14		µg/L	1	11/24/2004
Dimethylphthalate	ND	14		µg/L	1	11/24/2004
Fluoranthene	ND	14		µg/L	1	11/24/2004
Fluorene	ND	14		µg/L	1	11/24/2004
Hexachlorobenzene	ND	14		µg/L	1	11/24/2004
Hexachlorobutadiene	ND	27		µg/L	1	11/24/2004
Hexachlorocyclopentadiene	ND	14		µg/L	1	11/24/2004
Hexachloroethane	ND	14		µg/L	1	11/24/2004
Indeno(1,2,3-cd)pyrene	ND	14		µg/L	1	11/24/2004
Isophorone	ND	14		µg/L	1	11/24/2004
N-Nitrosodi-n-propylamine	ND	14		µg/L	1	11/24/2004
N-Nitrosodiphenylamine	ND	14		µg/L	1	11/24/2004
Naphthalene	ND	14		µg/L	1	11/24/2004
Nitrobenzene	ND	14		µg/L	1	11/24/2004
Pentachlorophenol	ND	68		µg/L	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072438
Project: 11-059
Lab ID: 072438-001

Client Sample ID: 11-059-01
Collection Date: 11/19/2004 3:50:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3510C)				**EPA 8270C**		
RunID: MS7_041124A	QC Batch: 20324			PrepDate: 11/23/2004		Analyst: JWS
Phenanthrene	ND	14		µg/L	1	11/24/2004
Phenol	ND	14		µg/L	1	11/24/2004
Pyrene	ND	14		µg/L	1	11/24/2004
2-Methylphenol	ND	14		µg/L	1	11/24/2004
4-Methylphenol	ND	14		µg/L	1	11/24/2004
Surr: 1,2-Dichlorobenzene-d4	77.9	27-100		%REC	1	11/24/2004
Surr: 2,4,6-Tribromophenol	87.0	62-120		%REC	1	11/24/2004
Surr: 2-Chlorophenol-d4	79.6	34-98		%REC	1	11/24/2004
Surr: 2-Fluorobiphenyl	76.7	36-105		%REC	1	11/24/2004
Surr: 2-Fluorophenol	57.0	18-70		%REC	1	11/24/2004
Surr: 4-Terphenyl-d14	85.4	52-112		%REC	1	11/24/2004
Surr: Nitrobenzene-d5	92.1	33-107		%REC	1	11/24/2004
Surr: Phenol-d5	18.0	15-51		%REC	1	11/24/2004
PH				**EPA 150.1**		
RunID: PH1_041119A	QC Batch: R43629			PrepDate:		Analyst: BA
pH	12.13	0.10		pH Units	1	11/19/2004
TOTAL FILTERABLE RESIDUE IN WATER				**EPA 160.1**		
RunID: WETCHEM_041123B	QC Batch: R43647			PrepDate: 11/22/2004		Analyst: MJM
Total Dissolved Solids (Residue, Filterable)	3900	10		mg/L	1	11/23/2004
ALKALINITY				**EPA 310.1**		
RunID: WETCHEM_041122E	QC Batch: R43598			PrepDate:		Analyst: MJM
Alkalinity, Total (As CaCO3)	1700	50		mg/L	10	11/22/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072438
Project: 11-059
Lab ID: 072438-002

Client Sample ID: 11-059-02
Collection Date: 11/19/2004 3:50:00 AM
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
(EPA 3050B)				EPA 6010B		
RunID: ICP5_041129C	QC Batch: 20338				PrepDate: 11/23/2004	Analyst: RQ
Antimony	ND	1.0		mg/Kg	1	11/29/2004
Arsenic	ND	1.0		mg/Kg	1	11/29/2004
Barium	63	1.0		mg/Kg	1	11/29/2004
Beryllium	ND	1.0		mg/Kg	1	11/29/2004
Cadmium	ND	1.0		mg/Kg	1	11/29/2004
Chromium	11	1.0		mg/Kg	1	11/29/2004
Cobalt	2.3	1.0		mg/Kg	1	11/29/2004
Copper	6.8	1.0		mg/Kg	1	11/29/2004
Lead	2.2	1.0		mg/Kg	1	11/29/2004
Molybdenum	3.6	1.0		mg/Kg	1	11/29/2004
Nickel	6.4	1.0		mg/Kg	1	11/29/2004
Selenium	ND	1.0		mg/Kg	1	11/29/2004
Silver	ND	1.0		mg/Kg	1	11/29/2004
Thallium	ND	1.0		mg/Kg	1	11/29/2004
Vanadium	11	1.0		mg/Kg	1	11/29/2004
Zinc	47	1.0		mg/Kg	1	11/29/2004
OIL & GREASE						
				EPA 1664 _HEM		
RunID: WETCHEM2_041123A	QC Batch: R43646				PrepDate: 11/23/2004	Analyst: MFP
Oil & Grease	120	50		mg/Kg	1	11/23/2004
HEXAVALENT CHROMIUM						
				EPA 7196A		
RunID: WETCHEM3_041122C	QC Batch: R43617				PrepDate: 11/22/2004	Analyst: MFP
Chromium, Hexavalent	0.15	0.10		mg/Kg	1	11/22/2004
MERCURY BY COLD VAPOR TECHNIQUE						
(EPA 7471)				EPA 7471A		
RunID: AA1_041124A	QC Batch: 20334				PrepDate: 11/23/2004	Analyst: JT
Mercury	ND	0.10		mg/Kg	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072438
Project: 11-059
Lab ID: 072438-002

Client Sample ID: 11-059-02
Collection Date: 11/19/2004 3:50:00 AM
Matrix: SOLID

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B) **EPA 8270C**

RunID: MS7_041123A QC Batch: 20303 PrepDate: 11/22/2004 Analyst: JWS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	11/29/2004
1,2-Dichlorobenzene	ND	330		µg/Kg	1	11/29/2004
1,3-Dichlorobenzene	ND	330		µg/Kg	1	11/29/2004
1,4-Dichlorobenzene	ND	330		µg/Kg	1	11/29/2004
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	11/29/2004
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	11/29/2004
2,4-Dichlorophenol	ND	1600		µg/Kg	1	11/29/2004
2,4-Dimethylphenol	ND	330		µg/Kg	1	11/29/2004
2,4-Dinitrophenol	ND	1600		µg/Kg	1	11/29/2004
2,4-Dinitrotoluene	ND	330		µg/Kg	1	11/29/2004
2,6-Dinitrotoluene	ND	330		µg/Kg	1	11/29/2004
2-Chloronaphthalene	ND	330		µg/Kg	1	11/29/2004
2-Chlorophenol	ND	330		µg/Kg	1	11/29/2004
2-Methylnaphthalene	ND	330		µg/Kg	1	11/29/2004
2-Methylphenol	ND	330		µg/Kg	1	11/29/2004
2-Nitroaniline	ND	1600		µg/Kg	1	11/29/2004
2-Nitrophenol	ND	330		µg/Kg	1	11/29/2004
3,3'-Dichlorobenzidine	ND	660		µg/Kg	1	11/29/2004
3-Nitroaniline	ND	1600		µg/Kg	1	11/29/2004
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	11/29/2004
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	11/29/2004
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	11/29/2004
4-Chloroaniline	ND	660		µg/Kg	1	11/29/2004
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	11/29/2004
4-Methylphenol	ND	330		µg/Kg	1	11/29/2004
4-Nitroaniline	ND	1600		µg/Kg	1	11/29/2004
4-Nitrophenol	ND	1600		µg/Kg	1	11/29/2004
Acenaphthene	ND	330		µg/Kg	1	11/29/2004
Acenaphthylene	ND	330		µg/Kg	1	11/29/2004
Anthracene	ND	330		µg/Kg	1	11/29/2004
Benzidine (M)	ND	1600		µg/Kg	1	11/29/2004
Benzo(a)anthracene	ND	330		µg/Kg	1	11/29/2004
Benzo(a)pyrene	ND	330		µg/Kg	1	11/29/2004
Benzo(b)fluoranthene	ND	330		µg/Kg	1	11/29/2004
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	11/29/2004
Benzo(k)fluoranthene	ND	330		µg/Kg	1	11/29/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072438
Project: 11-059
Lab ID: 072438-002

Client Sample ID: 11-059-02
Collection Date: 11/19/2004 3:50:00 AM
Matrix: SOLID

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B) **EPA 8270C**

RunID: MS7_041123A QC Batch: 20303 PrepDate: 11/22/2004 Analyst: JWS

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
Benzoic acid	ND	1600		µg/Kg	1	11/29/2004
Benzyl alcohol	ND	660		µg/Kg	1	11/29/2004
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	11/29/2004
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	11/29/2004
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	11/29/2004
Bis(2-ethylhexyl)phthalate	380	330		µg/Kg	1	11/29/2004
Butylbenzylphthalate	ND	330		µg/Kg	1	11/29/2004
Chrysene	ND	330		µg/Kg	1	11/29/2004
Di-n-butylphthalate	ND	330		µg/Kg	1	11/29/2004
Di-n-octylphthalate	ND	330		µg/Kg	1	11/29/2004
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	11/29/2004
Dibenzofuran	ND	330		µg/Kg	1	11/29/2004
Diethylphthalate	ND	330		µg/Kg	1	11/29/2004
Dimethylphthalate	ND	330		µg/Kg	1	11/29/2004
Fluoranthene	ND	330		µg/Kg	1	11/29/2004
Fluorene	ND	330		µg/Kg	1	11/29/2004
Hexachlorobenzene	ND	330		µg/Kg	1	11/29/2004
Hexachlorobutadiene	ND	660		µg/Kg	1	11/29/2004
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	11/29/2004
Hexachloroethane	ND	330		µg/Kg	1	11/29/2004
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	11/29/2004
Isophorone	ND	330		µg/Kg	1	11/29/2004
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	11/29/2004
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	11/29/2004
Naphthalene	ND	330		µg/Kg	1	11/29/2004
Nitrobenzene	ND	330		µg/Kg	1	11/29/2004
Pentachlorophenol	ND	1600		µg/Kg	1	11/29/2004
Phenanthrene	ND	330		µg/Kg	1	11/29/2004
Phenol	ND	330		µg/Kg	1	11/29/2004
Pyrene	ND	330		µg/Kg	1	11/29/2004
Surr: 1,2-Dichlorobenzene-d4	85.6	37-103		%REC	1	11/29/2004
Surr: 2,4,6-Tribromophenol	48.6	50-127	S	%REC	1	11/29/2004
Surr: 2-Chlorophenol-d4	52.6	49-103		%REC	1	11/29/2004
Surr: 2-Fluorobiphenyl	91.7	37-113		%REC	1	11/29/2004
Surr: 2-Fluorophenol	33.9	46-105	S	%REC	1	11/29/2004
Surr: 4-Terphenyl-d14	93.8	46-123		%REC	1	11/29/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *30-Nov-04*

CLIENT: AmeriSci Los Angeles
Lab Order: 072438
Project: 11-059
Lab ID: 072438-002

Client Sample ID: 11-059-02
Collection Date: 11/19/2004 3:50:00 AM
Matrix: SOLID

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS (EPA 3550B)				**EPA 8270C**		
RunID: MS7_041123A	QC Batch: 20303			PrepDate: 11/22/2004		Analyst: JWS
Surr: Nitrobenzene-d5	104	39-108		%REC	1	11/29/2004
Surr: Phenol-d5	77.1	51-107		%REC	1	11/29/2004
PH				**EPA 9045C**		
RunID: WETCHEM_041124I	QC Batch: R43706			PrepDate:		Analyst: MJM
pH	11.75	0.10		pH Units	1	11/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 8 of 8

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

AMERI SCI

www.amerisci.com

CHAIN OF CUSTODY RECORD

___TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

___TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

[redacted]

PAGE 1 OF 1

DUE DATE:

❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ☒ 10 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: AmeriSci LA

ADDRESS:

PHONE: FAX 1: FAX 2:

CLIENT CONTACT: Clifton Kiser EMAIL:

PROJECT NAME: 11-059 PROJECT NUMBER: 11-059 PROJECT STATE:

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

[redacted]

										CAM 17, Hardness	Chromium VI, pH, TDS, Alkalinity	Oil & Grease (Hexane)	8270 C	Chromium VI, pH, CAM 17	Notes:
11-059-01	Aq	250ml	Poly	1	11/18/04	3:50 pm	G	Nitric		X					
		1L	Poly	1				N/A			X				
		1L	Amber	1				HCl				X			
		1L	Amber	1				None					X		
11-059-02	Solid	8oz	Jar	1				N/A				X	X	X	

SAMPLED BY: (PRINT) Clifton Kiser	DATE: 11/18/04	RECEIVED BY: (PRINT) Lateef McIntosh	DATE: 11/18/04
(SIGN)	TIME: 12:35	(SIGN)	TIME: 12:35
RELINQUISHED BY: (PRINT) Lateef McIntosh	DATE: 11/18/04	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME: 13:00	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE: 11/19/04
(SIGN)	TIME:	(SIGN)	TIME: 1300

FROM (WED) DEC. 1. 2004 9:52/ST. 9:50/NO. 6326640855 P 10

AMERI SCI

www.amerisci.com

CHAIN OF CUSTODY RECORD

___TEAM BOSTON
8 School Street
Weymouth, MA 02189
781.337.9334 Ph
781.337.7642 Fax

___TEAM LOS ANGELES
24416 S. Main St. #308
Carson, CA 90745
310.834.4868 Ph
310.834.4772 Fax

AMERISCI JOB NO: 45

PAGE 1 OF 1

DUE DATE:

❑ 1 DAY ❑ 2 DAY ❑ 3 DAY ❑ 5 DAY ❑ 7 DAY ❑ 10 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: Deval Shah Cal Trans. | EMAIL: d shah@bas.com

PROJECT NAME: Pcc- Study. | PROJECT NUMBER: 2004.0074 | 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 AT LOGIN	8260 B, TPH-GRO	8270C, TPH-DRO/ORO	Cl, F6 Chrome, TDS, pH, Alkalinity	Oil & Grease	CAM 17 Metals	Slurry / Solid Parameter	Notes:
	PCC07-101-L5	A	40ml	V	4	11/18	3:50 pm	DMS		HCl		X						
	PCC 07-101-L5	A	1L	G	2					–			X					
	PCC 07-101-L5	A	1L	P	1					–				X				
	PCC-07-101-L5	A	1L	G	1					HCl					X			
	PCC-07-101-L5	A	250ml	P	1					Nitric						X		
	PCC-07-101-S5	S	8oz	G	1					–							X	
	PCC-07-101-S5	S	8oz.	G	1					–							X	

SAMPLED BY: (PRINT) Deval Shah / Jim Schneider.	DATE: 11/18/04	RECEIVED BY: (PRINT) Lateef McIntosh	DATE: 11/19/04
(SIGN)	TIME:	(SIGN)	TIME: 9:50
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME:	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY:	DATE:
(SIGN)	TIME:	(SIGN)	TIME: