Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

20 January, 2006

Shahed Abbasi
City of San Leandro
3000 Davis Street
San Leandro, CA 94577

RE: WPCP
Work Order: MOK1087

Enclosed are the results of analyses for samples received by the laboratory on 11/28/05 14:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen
Project Manager

CA ELAP Certificate #1210

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sludge Bed #13	MOK1087-01	Soil	11/28/05 11:15	11/28/05 14:25

1/20/06 - This report was revised to include STLC analysis requested on 1/9/06 per client request. Sample MOK1087-01 Cu and Se STLC results data is available in this revised report.

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San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

ORGANIC LEAD BY GFAA (HML 939-M)

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Organic Lead	ND	25	ug/kg	1	5L07077	12/07/05	12/07/05 16:42	HML 939-M	M2

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INORGANICS

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Ammonia-N	**630**	250	mg/kg	50	5L06125	12/06/05	12/07/05 12:00	EPA 350.3 MOD.	
Total Cyanide	**5.7**	0.50	"	1	5L05083	12/05/05	12/05/05 20:03	EPA 335.2 MOD.	
Phenols	**1.8**	1.0	"	"	5L10047	12/10/05	12/10/05 17:18	EPA 420.1 MOD	
Total Kjeldahl Nitrogen	**36000**	250	"	"	5L05084	12/05/05	12/05/05 19:51	EPA 351.3	

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Chlorinated Herbicides per EPA Method 8151A Modified

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
2,4-D	ND	20.0	ug/kg	1	5120221	12/06/05	12/08/05	8151mod	
2,4,5-TP (Silvex)	ND	20.0	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic acid		*85.8 %*	*30-140*		"	"	"	"	

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Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Trivalent Chromium	**45**	5.0	mg/kg	1	5L14030	12/14/05	12/14/05	EPA 7196A/DI	
Hexavalent Chromium	**0.84**	0.50	"	"	5L06034	12/05/05	12/06/05	EPA 7196A	
Mercury	**1.7**	0.030	"	3	5L05013	12/05/05	12/05/05	EPA 7471A	
Antimony	ND	10	"	2	5L06043	12/07/05	12/07/05	EPA 6010B	
Arsenic	**22**	10	"	"	"	"	"	"	
Barium	**510**	10	"	"	"	"	"	"	
Beryllium	ND	0.20	"	"	"	"	"	"	
Cadmium	**2.2**	0.40	"	"	"	"	"	"	
Chromium	**46**	10	"	"	"	"	"	"	
Cobalt	**6.7**	1.0	"	"	"	"	"	"	
Copper	**320**	8.0	"	"	"	"	"	"	
Lead	**54**	10	"	"	"	"	"	"	
Molybdenum	**20**	2.0	"	"	"	"	"	"	
Nickel	**27**	10	"	"	"	"	"	"	
Selenium	ND	20	"	"	"	"	"	"	
Silver	**18**	1.0	"	"	"	"	"	"	
Thallium	ND	10	"	"	"	"	"	"	
Vanadium	**20**	10	"	"	"	"	"	"	
Zinc	**850**	10	"	"	"	"	"	"	

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STLC Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Copper	**8.5**	0.070	mg/l	1	6A16040	01/16/06	01/16/06	EPA 6010B	
Selenium	**1.1**	0.70	"	"	"	"	"	"	

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Organochlorine Pesticides by EPA Method 8081A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									**R-05, C-06**
Kepone	ND	50	ug/kg	10	5L01006	12/01/05	12/14/05	EPA 8081A	
Mirex	ND	500	"	"	"	"	"	"	
Aldrin	ND	10	"	"	"	"	12/01/05	"	
alpha-BHC	ND	10	"	"	"	"	"	"	
beta-BHC	ND	10	"	"	"	"	"	"	
delta-BHC	ND	10	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	10	"	"	"	"	"	"	
Chlordane (tech)	ND	200	"	"	"	"	"	"	
4,4´-DDD	ND	60	"	"	"	"	"	"	
4,4´-DDE	ND	20	"	"	"	"	"	"	
4,4´-DDT	ND	60	"	"	"	"	"	"	
Dieldrin	ND	20	"	"	"	"	"	"	
Endosulfan I	ND	20	"	"	"	"	"	"	
Endosulfan II	ND	20	"	"	"	"	"	"	
Endosulfan sulfate	ND	60	"	"	"	"	"	"	
Endrin	ND	20	"	"	"	"	"	"	
Endrin aldehyde	ND	60	"	"	"	"	"	"	
Endrin ketone	ND	60	"	"	"	"	"	"	
Heptachlor	ND	10	"	"	"	"	"	"	
Heptachlor epoxide	ND	10	"	"	"	"	"	"	
Methoxychlor	ND	200	"	"	"	"	"	"	
Toxaphene	ND	800	"	"	"	"	"	"	
Surrogate: Tetrachloro-m-xylene		*100 %*	*40-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*144 %*	*45-135*		"	"	"	"	*S04*

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Polychlorinated Biphenyls (as Aroclors) by EPA Method 8082

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									**C-06**
PCB-1016	ND	24	ug/kg dry	1	5L01012	12/01/05	12/02/05	EPA 8082	
PCB-1221	ND	24	"	"	"	"	"	"	
PCB-1232	ND	24	"	"	"	"	"	"	
PCB-1242	ND	24	"	"	"	"	"	"	
PCB-1248	ND	24	"	"	"	"	"	"	
PCB-1254	ND	24	"	"	"	"	"	"	
PCB-1260	ND	24	"	"	"	"	"	"	
PCB-1268	ND	24	"	"	"	"	"	"	
Surrogate: Tetrachloro-m-xylene		*102 %*	*40-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*408 %*	*45-135*		"	"	"	"	*S04*

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Organophosphorus Pesticides by EPA Method 8141A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									**C-06**
Azinphos methyl	ND	200	ug/kg dry	4	5L07023	12/07/05	12/08/05	EPA 8141A	
Bolstar	ND	98	"	"	"	"	"	"	
Chlorpyrifos	ND	98	"	"	"	"	"	"	
Coumaphos	ND	200	"	"	"	"	"	"	
Demeton	ND	98	"	"	"	"	"	"	
Diazinon	ND	98	"	"	"	"	"	"	
Dichlorvos	ND	98	"	"	"	"	"	"	
Dimethoate	ND	200	"	"	"	"	"	"	
Disulfoton	ND	98	"	"	"	"	"	"	
Ethion	ND	98	"	"	"	"	"	"	
Ethoprop	ND	98	"	"	"	"	"	"	
EPN	ND	98	"	"	"	"	"	"	
Fensulfothion	ND	98	"	"	"	"	"	"	
Fenthion	ND	98	"	"	"	"	"	"	
Malathion	ND	98	"	"	"	"	"	"	
Merphos	ND	98	"	"	"	"	"	"	
Mevinphos	ND	98	"	"	"	"	"	"	
Naled	ND	200	"	"	"	"	"	"	
Parathion, ethyl	ND	98	"	"	"	"	"	"	
Parathion, methyl	ND	98	"	"	"	"	"	"	
Phorate	ND	98	"	"	"	"	"	"	
Ronnel	ND	98	"	"	"	"	"	"	
Stirophos	ND	200	"	"	"	"	"	"	
Sulfotep	ND	98	"	"	"	"	"	"	
Thionazin	ND	98	"	"	"	"	"	"	
Tokuthion (Prothiofos)	ND	98	"	"	"	"	"	"	
Trichloronate	ND	98	"	"	"	"	"	"	
Surrogate: Triphenyl phosphate		*448 %*	*45-125*		*"*	*"*	*"*	*"*	*S04*

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Benzene	ND	5.1	ug/kg	1.02	5L02004	12/02/05	12/02/05	EPA 8260B	
Bromobenzene	ND	5.1	"	"	"	"	"	"	
Bromochloromethane	ND	5.1	"	"	"	"	"	"	
Bromodichloromethane	ND	5.1	"	"	"	"	"	"	
Bromoform	ND	5.1	"	"	"	"	"	"	
Bromomethane	ND	5.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.1	"	"	"	"	"	"	
n-Butylbenzene	ND	5.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.1	"	"	"	"	"	"	
Chlorobenzene	ND	5.1	"	"	"	"	"	"	
Chloroethane	ND	5.1	"	"	"	"	"	"	
Chloroform	ND	5.1	"	"	"	"	"	"	
Chloromethane	ND	5.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.1	"	"	"	"	"	"	
Dibromochloromethane	ND	5.1	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.1	"	"	"	"	"	"	
Dibromomethane	ND	5.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.1	"	"	"	"	"	"	
Ethylbenzene	ND	5.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.1	"	"	"	"	"	"	
Isopropylbenzene	ND	5.1	"	"	"	"	"	"	
Methylene chloride	ND	5.1	"	"	"	"	"	"	
Naphthalene	ND	5.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.1	"	"	"	"	"	"	
n-Propylbenzene	ND	5.1	"	"	"	"	"	"	

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San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Styrene	ND	5.1	ug/kg	1.02	5L02004	12/02/05	12/02/05	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	5.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.1	"	"	"	"	"	"	
Tetrachloroethene	ND	5.1	"	"	"	"	"	"	
Toluene	ND	5.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.1	"	"	"	"	"	"	
Trichloroethene	ND	5.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.1	"	"	"	"	"	"	
Vinyl chloride	ND	5.1	"	"	"	"	"	"	
Xylenes (total)	ND	5.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*55-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*65-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-120*		"	"	"	"	

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Semivolatile Organic Compounds by EPA Method 8270C

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									**R-05**
Acenaphthene	ND	31	mg/kg dry	100	5L06029	12/06/05	12/12/05	EPA 8270C	
Acenaphthylene	ND	31	"	"	"	"	"	"	
Anthracene	ND	31	"	"	"	"	"	"	
Benzo (a) anthracene	ND	31	"	"	"	"	"	"	
Benzo (a) pyrene	ND	31	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	31	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	31	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	31	"	"	"	"	"	"	
Benzoic acid	ND	61	"	"	"	"	"	"	
Benzyl alcohol	ND	31	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	31	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	31	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	31	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	61	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	31	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	31	"	"	"	"	"	"	
4-Chloroaniline	ND	61	"	"	"	"	"	"	
2-Chloronaphthalene	ND	31	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	31	"	"	"	"	"	"	
2-Chlorophenol	ND	31	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	31	"	"	"	"	"	"	
Chrysene	ND	31	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	31	"	"	"	"	"	"	
Dibenzofuran	ND	31	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	61	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	61	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	31	"	"	"	"	"	"	
Diethyl phthalate	ND	31	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	61	"	"	"	"	"	"	
Dimethyl phthalate	ND	31	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	61	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	61	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	31	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	31	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	61	"	"	"	"	"	"	
Fluoranthene	ND	31	"	"	"	"	"	"	
Fluorene	ND	31	"	"	"	"	"	"	

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									**R-05**
Hexachlorobenzene	ND	31	mg/kg dry	100	5L06029	12/06/05	12/12/05	EPA 8270C	
Hexachlorobutadiene	ND	31	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	61	"	"	"	"	"	"	
Hexachloroethane	ND	31	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	31	"	"	"	"	"	"	
Isophorone	ND	31	"	"	"	"	"	"	
2-Methylnaphthalene	ND	31	"	"	"	"	"	"	
2-Methylphenol	ND	31	"	"	"	"	"	"	
4-Methylphenol	ND	31	"	"	"	"	"	"	
Naphthalene	ND	31	"	"	"	"	"	"	
2-Nitroaniline	ND	61	"	"	"	"	"	"	
3-Nitroaniline	ND	61	"	"	"	"	"	"	
4-Nitroaniline	ND	61	"	"	"	"	"	"	
Nitrobenzene	ND	31	"	"	"	"	"	"	
2-Nitrophenol	ND	31	"	"	"	"	"	"	
4-Nitrophenol	ND	61	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	31	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	31	"	"	"	"	"	"	
Pentachlorophenol	ND	61	"	"	"	"	"	"	
Phenanthrene	ND	31	"	"	"	"	"	"	
Phenol	ND	31	"	"	"	"	"	"	
Pyrene	ND	31	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	31	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	61	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	31	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*%*	*30-115*		"	"	"	"	*S08*
Surrogate: Phenol-d6		*%*	*35-115*		"	"	"	"	*S08*
Surrogate: Nitrobenzene-d5		*%*	*45-115*		"	"	"	"	*S08*
Surrogate: 2-Fluorobiphenyl		*%*	*50-115*		"	"	"	"	*S08*
Surrogate: 2,4,6-Tribromophenol		*%*	*10-115*		"	"	"	"	*S08*
Surrogate: p-Terphenyl-d14		*%*	*65-120*		"	"	"	"	*S08*

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Moisture	**11**	0.10	%	1	5L06006	12/05/05	12/06/05	SM 2540G	

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Miscellaneous Physical/Conventional Chemistry Parameters

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Organic Nitrogen	**35000**	1.0	mg/kg	1	5L14029	12/14/05	12/14/05	SM 4500-Norg	

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Anions by EPA Method 300.0

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Bed #13 (MOK1087-01) Soil Sampled: 11/28/05 11:15 Received: 11/28/05 14:25									
Fluoride	**1.8**	1.0	mg/kg	1	5L05022	11/28/05	11/28/05	EPA 300.0	
Nitrate as N	**1000**	110	"	100	"	"	11/28/05 19:05	"	

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

ORGANIC LEAD BY GFAA (HML 939-M) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L07077 - HML 939-M / HML 939-M										
Blank (5L07077-BLK1)				Prepared & Analyzed: 12/07/05						
Organic Lead	ND	25	ug/kg							
Laboratory Control Sample (5L07077-BS1)				Prepared & Analyzed: 12/07/05						
Organic Lead	94.3	25	ug/kg	100		94	80-120			
Matrix Spike (5L07077-MS1)	**Source: MOK1087-01**			Prepared & Analyzed: 12/07/05						
Organic Lead	39.6	25	ug/kg	100	ND	40	80-120			M2
Matrix Spike Dup (5L07077-MSD1)	**Source: MOK1087-01**			Prepared & Analyzed: 12/07/05						
Organic Lead	39.8	25	ug/kg	100	ND	40	80-120	0.5	20	M2

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

INORGANICS - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L05083 - General Prep / EPA 335.2 MOD.										
Blank (5L05083-BLK1)				Prepared & Analyzed: 12/05/05						
Total Cyanide	ND	0.020	mg/kg							
Laboratory Control Sample (5L05083-BS1)				Prepared & Analyzed: 12/05/05						
Total Cyanide	0.193	0.020	mg/kg	0.200		96	90-110			
Matrix Spike (5L05083-MS1)	**Source: IOL0139-01**			Prepared & Analyzed: 12/05/05						
Total Cyanide	4.59	0.50	mg/kg	4.95	ND	93	70-115			
Matrix Spike (5L05083-MS2)	**Source: IOL0142-01**			Prepared & Analyzed: 12/05/05						
Total Cyanide	4.41	0.50	mg/kg	4.98	ND	89	70-115			
Matrix Spike (5L05083-MS3)	**Source: IOL0145-01**			Prepared & Analyzed: 12/05/05						
Total Cyanide	4.56	0.50	mg/kg	4.95	ND	92	70-115			
Matrix Spike (5L05083-MS4)	**Source: IOL0147-03**			Prepared & Analyzed: 12/05/05						
Total Cyanide	4.65	0.50	mg/kg	4.98	ND	93	70-115			
Matrix Spike Dup (5L05083-MSD1)	**Source: IOL0139-01**			Prepared & Analyzed: 12/05/05						
Total Cyanide	4.74	0.49	mg/kg	4.93	ND	96	70-115	3	15	
Matrix Spike Dup (5L05083-MSD2)	**Source: IOL0142-01**			Prepared & Analyzed: 12/05/05						
Total Cyanide	4.55	0.50	mg/kg	5.00	ND	91	70-115	3	15	
Matrix Spike Dup (5L05083-MSD3)	**Source: IOL0145-01**			Prepared & Analyzed: 12/05/05						
Total Cyanide	4.58	0.50	mg/kg	4.95	ND	93	70-115	0.4	15	
Matrix Spike Dup (5L05083-MSD4)	**Source: IOL0147-03**			Prepared & Analyzed: 12/05/05						
Total Cyanide	4.62	0.50	mg/kg	4.95	ND	93	70-115	0.6	15	

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

INORGANICS - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06125 - General Prep / EPA 350.3 MOD.										
Blank (5L06125-BLK1)				Prepared: 12/06/05	Analyzed: 12/07/05					
Ammonia-N	ND	5.0	mg/kg							
Laboratory Control Sample (5L06125-BS1)				Prepared: 12/06/05	Analyzed: 12/07/05					
Ammonia-N	19.7	5.0	mg/kg	20.0		98	85-115			
Matrix Spike (5L06125-MS1)	**Source: IOK2416-01**			Prepared: 12/06/05	Analyzed: 12/07/05					
Ammonia-N	18.3	5.0	mg/kg	20.0	ND	92	75-125			
Matrix Spike Dup (5L06125-MSD1)	**Source: IOK2416-01**			Prepared: 12/06/05	Analyzed: 12/07/05					
Ammonia-N	18.6	5.0	mg/kg	20.0	ND	93	75-125	2	15	
Batch 5L05084 - GEN PREP2 / EPA 351.3										
Blank (5L05084-BLK1)				Prepared & Analyzed: 12/05/05						
Total Kjeldahl Nitrogen	ND	5.0	mg/kg							
Laboratory Control Sample (5L05084-BS1)				Prepared & Analyzed: 12/05/05						
Total Kjeldahl Nitrogen	196	5.0	mg/kg	200		98	80-120			
Matrix Spike (5L05084-MS1)	**Source: IOK2416-01**			Prepared & Analyzed: 12/05/05						
Total Kjeldahl Nitrogen	576	25	mg/kg	490	110	95	35-170			
Matrix Spike Dup (5L05084-MSD1)	**Source: IOK2416-01**			Prepared & Analyzed: 12/05/05						
Total Kjeldahl Nitrogen	631	25	mg/kg	490	110	106	35-170	9	35	
Batch 5L10047 - General Prep / EPA 420.1 MOD										
Blank (5L10047-BLK1)				Prepared & Analyzed: 12/10/05						
Phenols	ND	1.0	mg/kg							

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

INORGANICS - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L10047 - General Prep / EPA 420.1 MOD										
Laboratory Control Sample (5L10047-BS1)				Prepared & Analyzed: 12/10/05						
Phenols	5.10	1.0	mg/kg	5.00		102	90-110			
Matrix Spike (5L10047-MS1)	**Source: MOK1087-01**			Prepared & Analyzed: 12/10/05						
Phenols	8.39	1.0	mg/kg	5.00	1.8	132	65-155			
Matrix Spike Dup (5L10047-MSD1)	**Source: MOK1087-01**			Prepared & Analyzed: 12/10/05						
Phenols	8.03	1.0	mg/kg	5.00	1.8	125	65-155	4	20	

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Chlorinated Herbicides per EPA Method 8151A Modified - Quality Control

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5120221 - ASE 200 / 8151mod										
Blank (5120221-BLK1)				Prepared: 12/06/05	Analyzed: 12/08/05					
2,4-D	ND	20.0	ug/kg							
2,4-DB	ND	20.0	"							
2,4,5-T	ND	20.0	"							
2,4,5-TP (Silvex)	ND	20.0	"							
Dalapon	ND	20.0	"							
Dicamba	ND	20.0	"							
Dichlorprop	ND	20.0	"							
Dinoseb	ND	20.0	"							
MCPA	ND	2000	"							
MCPP	ND	2000	"							
Surrogate: 2,4-Dichlorophenylacetic acid	*60.6*		*"*	*66.7*		*90.9*	*30-140*			
Laboratory Control Sample (5120221-BS1)				Prepared: 12/06/05	Analyzed: 12/08/05					
2,4-D	82.2	20.0	ug/kg	100		82.2	45-112			
2,4-DB	86.2	20.0	"	100		86.2	32-145			
2,4,5-T	85.7	20.0	"	100		85.7	40-121			
2,4,5-TP (Silvex)	71.8	20.0	"	100		71.8	44-106			
Dalapon	72.3	20.0	"	100		72.3	27-103			
Dicamba	82.5	20.0	"	100		82.5	43-117			
Dichlorprop	75.3	20.0	"	100		75.3	36-107			
Dinoseb	67.1	20.0	"	100		67.1	22-130			
MCPA	6690	2000	"	10000		66.9	36-118			
MCPP	6390	2000	"	10000		63.9	44-115			
Surrogate: 2,4-Dichlorophenylacetic acid	*64.8*		*"*	*66.7*		*97.2*	*30-140*			
Laboratory Control Sample Dup (5120221-BSD1)				Prepared: 12/06/05	Analyzed: 12/08/05					
2,4-D	84.7	20.0	ug/kg	100		84.7	45-112	3.00	35	
2,4-DB	88.6	20.0	"	100		88.6	32-145	2.75	35	
2,4,5-T	89.4	20.0	"	100		89.4	40-121	4.23	35	
2,4,5-TP (Silvex)	73.4	20.0	"	100		73.4	44-106	2.20	40	
Dalapon	74.1	20.0	"	100		74.1	27-103	2.46	35	
Dicamba	85.5	20.0	"	100		85.5	43-117	3.57	35	
Dichlorprop	76.9	20.0	"	100		76.9	36-107	2.10	35	
Dinoseb	70.9	20.0	"	100		70.9	22-130	5.51	40	
MCPA	6930	2000	"	10000		69.3	36-118	3.52	35	
MCPP	6560	2000	"	10000		65.6	44-115	2.63	35	

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Chlorinated Herbicides per EPA Method 8151A Modified - Quality Control

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5120221 - ASE 200 / 8151mod										
Laboratory Control Sample Dup (5120221-BSD1)				Prepared: 12/06/05	Analyzed: 12/08/05					
Surrogate: 2,4-Dichlorophenylacetic acid	*67.3*		*ug/kg*	*66.7*		*101*	*30-140*			

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3000 Davis Street	Project Number:WPCP	**Reported:**
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Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06043 - EPA 3050B / EPA 6010B										
Blank (5L06043-BLK1)				Prepared & Analyzed: 12/07/05						
Antimony	ND	5.0	mg/kg							
Arsenic	ND	5.0	"							
Barium	ND	5.0	"							
Beryllium	ND	0.10	"							
Cadmium	ND	0.20	"							
Chromium	ND	5.0	"							
Cobalt	ND	0.50	"							
Copper	ND	4.0	"							
Lead	ND	5.0	"							
Molybdenum	ND	1.0	"							
Nickel	ND	5.0	"							
Selenium	ND	10	"							
Silver	ND	0.50	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	5.0	"							
Laboratory Control Sample (5L06043-BS1)				Prepared & Analyzed: 12/07/05						
Antimony	47.0	5.0	mg/kg	50.0		94	80-115			
Arsenic	45.2	5.0	"	50.0		90	80-110			
Barium	46.9	5.0	"	50.0		94	80-110			
Beryllium	47.4	0.10	"	50.0		95	80-110			
Cadmium	46.0	0.20	"	50.0		92	80-110			
Chromium	47.3	5.0	"	50.0		95	85-110			
Cobalt	47.1	0.50	"	50.0		94	85-115			
Copper	47.3	4.0	"	50.0		95	85-110			
Lead	47.6	5.0	"	50.0		95	75-120			
Molybdenum	47.4	1.0	"	50.0		95	80-110			
Nickel	47.1	5.0	"	50.0		94	80-115			
Selenium	48.3	10	"	50.0		97	80-110			
Silver	46.1	0.50	"	50.0		92	80-110			
Thallium	47.9	5.0	"	50.0		96	75-115			
Vanadium	47.5	5.0	"	50.0		95	75-115			
Zinc	46.8	5.0	"	50.0		94	80-115			

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06043 - EPA 3050B / EPA 6010B										
Matrix Spike (5L06043-MS1)	**Source: MOL0048-07**			Prepared & Analyzed: 12/07/05						
Antimony	12.2	10	mg/kg	50.0	0.67	23	80-115			QM02
Arsenic	44.3	10	"	50.0	5.9	77	80-110			QM02
Barium	69.4	10	"	50.0	34	71	80-110			QM02
Beryllium	41.4	0.20	"	50.0	0.65	82	80-110			
Cadmium	41.1	0.40	"	50.0	0.41	81	80-110			
Chromium	58.5	10	"	50.0	28	61	85-110			QM02
Cobalt	43.0	1.0	"	50.0	3.6	79	85-115			QM02
Copper	46.9	8.0	"	50.0	8.0	78	85-110			QM02
Lead	45.2	10	"	50.0	4.0	82	75-120			
Molybdenum	36.1	2.0	"	50.0	0.90	70	80-110			QM02
Nickel	63.8	10	"	50.0	29	70	80-115			QM02
Selenium	46.0	20	"	50.0	8.9	74	80-110			QM02
Silver	40.7	1.0	"	50.0	0.090	81	80-110			
Thallium	36.8	10	"	50.0	ND	74	75-115			QM02
Vanadium	53.9	10	"	50.0	25	58	75-115			QM02
Zinc	68.2	10	"	50.0	33	70	80-115			QM02
Matrix Spike Dup (5L06043-MSD1)	**Source: MOL0048-07**			Prepared & Analyzed: 12/07/05						
Antimony	10.5	10	mg/kg	50.0	0.67	20	80-115	15	20	QM02
Arsenic	45.7	10	"	50.0	5.9	80	80-110	3	15	
Barium	73.8	10	"	50.0	34	80	80-110	6	20	
Beryllium	43.5	0.20	"	50.0	0.65	86	80-110	5	20	
Cadmium	43.0	0.40	"	50.0	0.41	85	80-110	5	10	
Chromium	58.8	10	"	50.0	28	62	85-110	0.5	20	QM02
Cobalt	47.0	1.0	"	50.0	3.6	87	85-115	9	15	
Copper	49.4	8.0	"	50.0	8.0	83	85-110	5	20	QM02
Lead	47.0	10	"	50.0	4.0	86	75-120	4	20	
Molybdenum	38.4	2.0	"	50.0	0.90	75	80-110	6	20	QM02
Nickel	69.4	10	"	50.0	29	81	80-115	8	20	
Selenium	47.3	20	"	50.0	8.9	77	80-110	3	20	QM02
Silver	43.1	1.0	"	50.0	0.090	86	80-110	6	15	
Thallium	37.3	10	"	50.0	ND	75	75-115	1	20	
Vanadium	55.6	10	"	50.0	25	61	75-115	3	20	QM02
Zinc	71.8	10	"	50.0	33	78	80-115	5	20	QM02

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06034 - General Preparation / EPA 7196A										
Blank (5L06034-BLK1)				Prepared: 12/05/05	Analyzed: 12/06/05					
Hexavalent Chromium	ND	0.10	mg/kg							
Laboratory Control Sample (5L06034-BS1)				Prepared: 12/05/05	Analyzed: 12/06/05					
Hexavalent Chromium	4.37	0.10	mg/kg	5.00		87	80-120			
Matrix Spike (5L06034-MS1)	**Source: MOK1087-01**			Prepared: 12/05/05	Analyzed: 12/06/05					
Hexavalent Chromium	4.58	0.10	mg/kg	5.00	0.84	75	75-125			
Matrix Spike Dup (5L06034-MSD1)	**Source: MOK1087-01**			Prepared: 12/05/05	Analyzed: 12/06/05					
Hexavalent Chromium	4.61	0.10	mg/kg	5.00	0.84	75	75-125	0.7	20	
Batch 5L14030 - General Preparation / EPA 7196A/DI										
Blank (5L14030-BLK1)				Prepared & Analyzed: 12/14/05						
Trivalent Chromium	ND	5.0	mg/kg							
Batch 5L05013 - EPA 7471A / EPA 7471A										
Blank (5L05013-BLK1)				Prepared & Analyzed: 12/05/05						
Mercury	ND	0.010	mg/kg							
Laboratory Control Sample (5L05013-BS1)				Prepared & Analyzed: 12/05/05						
Mercury	0.698	0.010	mg/kg	0.667		105	85-115			
Matrix Spike (5L05013-MS1)	**Source: MOL0048-07**			Prepared & Analyzed: 12/05/05						
Mercury	0.704	0.010	mg/kg	0.667	0.0061	105	85-115			

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L05013 - EPA 7471A / EPA 7471A										
Matrix Spike Dup (5L05013-MSD1)	**Source: MOL0048-07**			Prepared & Analyzed: 12/05/05						
Mercury	0.773	0.010	mg/kg	0.667	0.0061	115	85-115	9	30	

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A16040 - Title 22-STLC DI / EPA 6010B										
Blank (6A16040-BLK1)				Prepared & Analyzed: 01/16/06						
Copper	ND	0.070	mg/l							
Selenium	ND	0.70	"							
Laboratory Control Sample (6A16040-BS1)				Prepared & Analyzed: 01/16/06						
Selenium	7.80	0.70	mg/l	7.00		111	80-110			
Copper	6.71	0.070	"	7.00		96	85-110			
Matrix Spike (6A16040-MS1)	**Source: MOK1087-01**			Prepared & Analyzed: 01/16/06						
Selenium	7.68	0.70	mg/l	7.00	1.1	94	80-110			
Copper	23.5	0.070	"	7.00	8.5	214	85-110			QM01
Matrix Spike Dup (6A16040-MSD1)	**Source: MOK1087-01**			Prepared & Analyzed: 01/16/06						
Selenium	7.57	0.70	mg/l	7.00	1.1	92	80-110	1	20	
Copper	23.5	0.070	"	7.00	8.5	214	85-110	0	20	QM01

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L01006 - EPA 3545 ASE / EPA 8081A										
Blank (5L01006-BLK1)				Prepared & Analyzed: 12/01/05						**C-06**
Aldrin	ND	1.0	ug/kg							
alpha-BHC	ND	1.0	"							
beta-BHC	ND	1.0	"							
delta-BHC	ND	1.0	"							
gamma-BHC (Lindane)	ND	1.0	"							
Chlordane (tech)	ND	20	"							
4,4´-DDD	ND	6.0	"							
4,4´-DDE	ND	2.0	"							
4,4´-DDT	ND	6.0	"							
Dieldrin	ND	2.0	"							
Endosulfan I	ND	2.0	"							
Endosulfan II	ND	2.0	"							
Endosulfan sulfate	ND	6.0	"							
Endrin	ND	2.0	"							
Endrin aldehyde	ND	6.0	"							
Endrin ketone	ND	6.0	"							
Heptachlor	ND	1.0	"							
Heptachlor epoxide	ND	1.0	"							
Methoxychlor	ND	20	"							
Toxaphene	ND	80	"							
Surrogate: Tetrachloro-m-xylene	*14.9*		*"*	*16.7*		*89*	*40-125*			
Surrogate: Decachlorobiphenyl	*25.7*		*"*	*33.3*		*77*	*45-135*			
Blank (5L01006-BLK1)				Prepared: 12/01/05 Analyzed: 12/14/05						**C-06**
Kepone	ND	5.0	"							
Mirex	ND	50	"							
Laboratory Control Sample (5L01006-BS1)				Prepared & Analyzed: 12/01/05						**C-06**
Aldrin	2.56	1.0	ug/kg	3.33		77	55-120			
alpha-BHC	2.64	1.0	"	3.33		79	60-115			
beta-BHC	2.36	1.0	"	3.33		71	55-110			
delta-BHC	2.96	1.0	"	3.33		89	55-125			
gamma-BHC (Lindane)	2.62	1.0	"	3.33		79	55-120			
4,4´-DDD	15.6	6.0	"	20.0		78	40-140			
4,4´-DDE	5.52	2.0	"	6.67		83	45-110			
4,4´-DDT	16.9	6.0	"	20.0		84	45-145			
Dieldrin	5.17	2.0	"	6.67		78	45-125			

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L01006 - EPA 3545 ASE / EPA 8081A										
Laboratory Control Sample (5L01006-BS1)				Prepared & Analyzed: 12/01/05						**C-06**
Endosulfan I	4.82	2.0	ug/kg	6.67		72	35-115			
Endosulfan II	4.60	2.0	"	6.67		69	30-135			
Endosulfan sulfate	15.2	6.0	"	20.0		76	45-130			
Endrin	5.32	2.0	"	6.67		80	50-130			
Endrin aldehyde	3.46	6.0	"	20.0		17	50-115			QC02
Endrin ketone	14.8	6.0	"	20.0		74	25-150			
Heptachlor	2.60	1.0	"	3.33		78	50-130			
Heptachlor epoxide	2.72	1.0	"	3.33		82	50-125			
Methoxychlor	11.2	20	"	13.3		84	10-150			
Surrogate: Tetrachloro-m-xylene	*15.0*		*"*	*16.7*		*90*	*40-125*			
Surrogate: Decachlorobiphenyl	*26.9*		*"*	*33.3*		*81*	*45-135*			
Matrix Spike (5L01006-MS1)	**Source: MOK1084-01**			Prepared & Analyzed: 12/01/05						**C-06**
Aldrin	3.20	1.0	ug/kg	3.33	ND	96	55-120			
alpha-BHC	2.32	1.0	"	3.33	ND	70	60-115			
beta-BHC	2.08	1.0	"	3.33	ND	62	55-110			
delta-BHC	2.85	1.0	"	3.33	ND	86	55-125			
gamma-BHC (Lindane)	1.90	1.0	"	3.33	ND	57	55-120			
4,4´-DDD	13.1	6.0	"	20.0	1.3	59	40-140			
4,4´-DDE	4.45	2.0	"	6.67	0.42	60	45-110			
4,4´-DDT	19.2	6.0	"	20.0	29	0	45-145			QM02
Dieldrin	4.09	2.0	"	6.67	ND	61	45-125			
Endosulfan I	3.96	2.0	"	6.67	ND	59	35-115			
Endosulfan II	3.76	2.0	"	6.67	ND	56	30-135			
Endosulfan sulfate	13.1	6.0	"	20.0	ND	66	45-130			
Endrin	5.79	2.0	"	6.67	1.9	58	50-130			
Endrin aldehyde	2.86	6.0	"	20.0	ND	14	50-115			QC02
Endrin ketone	12.5	6.0	"	20.0	ND	62	25-150			
Heptachlor	3.12	1.0	"	3.33	ND	94	50-130			
Heptachlor epoxide	2.95	1.0	"	3.33	ND	89	50-125			
Methoxychlor	9.49	20	"	13.3	ND	71	10-150			
Surrogate: Tetrachloro-m-xylene	*11.5*		*"*	*16.7*		*69*	*40-125*			
Surrogate: Decachlorobiphenyl	*20.0*		*"*	*33.3*		*60*	*45-135*			

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Organochlorine Pesticides by EPA Method 8081A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L01006 - EPA 3545 ASE / EPA 8081A										
Matrix Spike Dup (5L01006-MSD1)	**Source: MOK1084-01**			Prepared & Analyzed: 12/01/05						**C-06**
Aldrin	2.85	1.0	ug/kg	3.33	ND	86	55-120	12	20	
alpha-BHC	2.48	1.0	"	3.33	ND	74	60-115	7	10	
beta-BHC	2.24	1.0	"	3.33	ND	67	55-110	7	15	
delta-BHC	3.06	1.0	"	3.33	ND	92	55-125	7	25	
gamma-BHC (Lindane)	1.96	1.0	"	3.33	ND	59	55-120	3	15	
4,4´-DDD	13.2	6.0	"	20.0	1.3	60	40-140	0.8	20	
4,4´-DDE	5.19	2.0	"	6.67	0.42	72	45-110	15	20	
4,4´-DDT	24.1	6.0	"	20.0	29	0	45-145	23	25	QM02
Dieldrin	4.28	2.0	"	6.67	ND	64	45-125	5	20	
Endosulfan I	3.89	2.0	"	6.67	ND	58	35-115	2	15	
Endosulfan II	3.73	2.0	"	6.67	ND	56	30-135	0.8	20	
Endosulfan sulfate	14.5	6.0	"	20.0	ND	72	45-130	10	25	
Endrin	6.03	2.0	"	6.67	1.9	62	50-130	4	15	
Endrin aldehyde	2.94	6.0	"	20.0	ND	15	50-115	3	20	QC02
Endrin ketone	14.4	6.0	"	20.0	ND	72	25-150	14	20	
Heptachlor	2.89	1.0	"	3.33	ND	87	50-130	8	25	
Heptachlor epoxide	3.09	1.0	"	3.33	ND	93	50-125	5	15	
Methoxychlor	9.98	20	"	13.3	ND	75	10-150	5	20	
Surrogate: Tetrachloro-m-xylene	*9.02*		*"*	*16.7*		*54*	*40-125*			
Surrogate: Decachlorobiphenyl	*16.6*		*"*	*33.3*		*50*	*45-135*			

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Polychlorinated Biphenyls (as Aroclors) by EPA Method 8082 - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L01012 - EPA 3545 ASE / EPA 8082										
Blank (5L01012-BLK1)				Prepared: 12/01/05	Analyzed: 12/02/05					**C-06**
PCB-1016	ND	20	ug/kg wet							
PCB-1221	ND	20	"							
PCB-1232	ND	20	"							
PCB-1242	ND	20	"							
PCB-1248	ND	20	"							
PCB-1254	ND	20	"							
PCB-1260	ND	20	"							
PCB-1268	ND	20	"							
Surrogate: Tetrachloro-m-xylene	*16.6*		*"*	*16.7*		*99*	*40-125*			
Surrogate: Decachlorobiphenyl	*36.4*		*"*	*33.3*		*109*	*45-135*			
Laboratory Control Sample (5L01012-BS1)				Prepared: 12/01/05	Analyzed: 12/02/05					**C-06**
PCB-1260	99.6	20	ug/kg wet	83.3		120	70-135			
Surrogate: Tetrachloro-m-xylene	*16.7*		*"*	*16.7*		*100*	*40-125*			
Surrogate: Decachlorobiphenyl	*36.6*		*"*	*33.3*		*110*	*45-135*			
Matrix Spike (5L01012-MS1)	**Source: MOK1105-07**			Prepared: 12/01/05	Analyzed: 12/02/05					**C-06**
PCB-1260	81.7	20	ug/kg wet	83.3	ND	98	70-135			
Surrogate: Tetrachloro-m-xylene	*15.6*		*"*	*16.7*		*93*	*40-125*			
Surrogate: Decachlorobiphenyl	*36.9*		*"*	*33.3*		*111*	*45-135*			
Matrix Spike Dup (5L01012-MSD1)	**Source: MOK1105-07**			Prepared: 12/01/05	Analyzed: 12/02/05					**C-06**
PCB-1260	75.5	20	ug/kg wet	83.3	ND	91	70-135	8	30	
Surrogate: Tetrachloro-m-xylene	*14.8*		*"*	*16.7*		*89*	*40-125*			
Surrogate: Decachlorobiphenyl	*35.6*		*"*	*33.3*		*107*	*45-135*			

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L07023 - EPA 3545 ASE / EPA 8141A										
Blank (5L07023-BLK1)				Prepared: 12/07/05 Analyzed: 12/08/05						**C-06**
Azinphos methyl	ND	40	ug/kg wet							
Bolstar	ND	20	"							
Chlorpyrifos	ND	20	"							
Coumaphos	ND	40	"							
Demeton	ND	20	"							
Diazinon	ND	20	"							
Dichlorvos	ND	20	"							
Dimethoate	ND	40	"							
Disulfoton	ND	20	"							
Ethion	ND	20	"							
Ethoprop	ND	20	"							
EPN	ND	20	"							
Fensulfothion	ND	20	"							
Fenthion	ND	20	"							
Malathion	ND	20	"							
Merphos	ND	20	"							
Mevinphos	ND	20	"							
Naled	ND	40	"							
Parathion, ethyl	ND	20	"							
Parathion, methyl	ND	20	"							
Phorate	ND	20	"							
Ronnel	ND	20	"							
Stirophos	ND	40	"							
Sulfotep	ND	20	"							
Thionazin	ND	20	"							
Tokuthion (Prothiofos)	ND	20	"							
Trichloronate	ND	20	"							
Surrogate: Triphenyl phosphate	*40.6*		*"*	*41.7*		*97*	*45-125*			

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L07023 - EPA 3545 ASE / EPA 8141A										
Laboratory Control Sample (5L07023-BS1)				Prepared: 12/07/05	Analyzed: 12/08/05					**C-06**
Azinphos methyl	31.7	40	ug/kg wet	41.7		76	70-130			
Bolstar	33.0	20	"	41.7		79	70-130			
Coumaphos	35.0	40	"	41.7		84	70-130			
Diazinon	35.0	20	"	41.7		84	48-154			
Disulfoton	33.8	20	"	41.7		81	46-145			
Ethoprop	29.8	20	"	41.7		71	70-130			
Merphos	35.2	20	"	41.7		84	70-130			
Naled	35.9	40	"	41.7		86	70-130			
Parathion, methyl	34.7	20	"	41.7		83	49-136			
Phorate	32.0	20	"	41.7		77	70-130			
Ronnel	35.8	20	"	41.7		86	70-130			
Stirophos	33.9	40	"	41.7		81	70-130			
Tokuthion (Prothiofos)	33.2	20	"	41.7		80	70-130			
Trichloronate	34.2	20	"	41.7		82	70-130			
Surrogate: Triphenyl phosphate	*38.2*		*"*	*41.7*		*92*	*45-125*			
Matrix Spike (5L07023-MS1)	**Source: MOK1087-01**			Prepared: 12/07/05	Analyzed: 12/08/05					**C-06**
Azinphos methyl	ND	200	ug/kg dry	41.7	ND		70-130			QM02
Bolstar	ND	98	"	41.7	ND		70-130			
Coumaphos	113	200	"	41.7	ND	271	70-130			QM01
Diazinon	54.7	98	"	41.7	ND	131	48-154			
Disulfoton	39.9	98	"	41.7	ND	96	46-145			
Ethoprop	138	98	"	41.7	ND	331	70-130			QM01
Merphos	189	98	"	41.7	ND	453	70-130			QM01
Naled	ND	200	"	41.7	ND		70-130			QM02
Parathion, methyl	ND	98	"	41.7	ND		49-136			QM02
Phorate	ND	98	"	41.7	ND		70-130			QM02
Ronnel	ND	98	"	41.7	ND		70-130			QM02
Stirophos	ND	200	"	41.7	ND		70-130			QM02
Tokuthion (Prothiofos)	307	98	"	41.7	ND	736	70-130			QM01
Trichloronate	ND	98	"	41.7	ND		70-130			QM02
Surrogate: Triphenyl phosphate	*242*		*"*	*41.7*		*580*	*45-125*			*S04*

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L07023 - EPA 3545 ASE / EPA 8141A										
Matrix Spike Dup (5L07023-MSD1)	**Source: MOK1087-01**			Prepared: 12/07/05	Analyzed: 12/08/05					**C-06**
Azinphos methyl	ND	200	ug/kg dry	41.7	ND		70-130		20	QM02
Bolstar	46.3	98	"	41.7	ND	111	70-130		20	QC21
Coumaphos	ND	200	"	41.7	ND		70-130		20	QC20
Diazinon	115	98	"	41.7	ND	276	48-154	71	20	QM01, QC20
Disulfoton	26.7	98	"	41.7	ND	64	46-145	40	20	QC21
Ethoprop	178	98	"	41.7	ND	427	70-130	25	20	QM01, QC20
Merphos	199	98	"	41.7	ND	477	70-130	5	20	QM01
Naled	111	200	"	41.7	ND	266	70-130		20	QM01
Parathion, methyl	ND	98	"	41.7	ND		49-136		20	QM02
Phorate	37.1	98	"	41.7	ND	89	70-130		20	QC20
Ronnel	ND	98	"	41.7	ND		70-130		20	QM02
Stirophos	ND	200	"	41.7	ND		70-130		20	QM02
Tokuthion (Prothiofos)	412	98	"	41.7	ND	988	70-130	29	20	QC20, QM01
Trichloronate	32.1	98	"	41.7	ND	77	70-130		20	QC20
Surrogate: Triphenyl phosphate	*350*		*"*	*41.7*		*839*	*45-125*			*S04*

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02004 - EPA 5030B P/T / EPA 8260B										
Blank (5L02004-BLK1)				Prepared & Analyzed: 12/02/05						
Benzene	ND	5.0	ug/kg							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02004 - EPA 5030B P/T / EPA 8260B										
Blank (5L02004-BLK1)				Prepared & Analyzed: 12/02/05						
Methylene chloride	ND	5.0	ug/kg							
Naphthalene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Xylenes (total)	ND	5.0	"							
Surrogate: Dibromofluoromethane	*5.09*		*"*	*5.00*		*102*	*55-125*			
Surrogate: 1,2-Dichloroethane-d4	*4.38*		*"*	*5.00*		*88*	*60-125*			
Surrogate: Toluene-d8	*4.68*		*"*	*5.00*		*94*	*65-130*			
Surrogate: 4-Bromofluorobenzene	*3.99*		*"*	*5.00*		*80*	*75-120*			
Laboratory Control Sample (5L02004-BS1)				Prepared & Analyzed: 12/02/05						
Benzene	10.8	5.0	ug/kg	10.0		108	65-125			
Bromobenzene	10.7	5.0	"	10.0		107	85-125			
Bromochloromethane	12.0	5.0	"	10.0		120	70-140			
Bromodichloromethane	11.7	5.0	"	10.0		117	85-135			
Bromoform	12.2	5.0	"	10.0		122	65-115			QC01
Bromomethane	17.3	5.0	"	10.0		173	70-150			QC01
sec-Butylbenzene	9.49	5.0	"	10.0		95	80-145			
tert-Butylbenzene	10.2	5.0	"	10.0		102	85-145			
n-Butylbenzene	8.72	5.0	"	10.0		87	10-150			
Carbon tetrachloride	11.6	5.0	"	10.0		116	80-120			

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02004 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5L02004-BS1)				Prepared & Analyzed: 12/02/05						
Chlorobenzene	10.8	5.0	ug/kg	10.0		108	85-130			
Chloroethane	11.9	5.0	"	10.0		119	10-150			
Chloroform	10.3	5.0	"	10.0		103	85-125			
Chloromethane	10.5	5.0	"	10.0		105	35-130			
2-Chlorotoluene	8.74	5.0	"	10.0		87	85-140			
4-Chlorotoluene	8.69	5.0	"	10.0		87	80-145			
1,2-Dibromo-3-chloropropane	7.91	5.0	"	10.0		79	75-125			
Dibromochloromethane	12.6	5.0	"	10.0		126	80-115			QC01
1,2-Dibromoethane (EDB)	11.1	5.0	"	10.0		111	85-130			
Dibromomethane	11.2	5.0	"	10.0		112	85-135			
1,2-Dichlorobenzene	10.7	5.0	"	10.0		107	80-145			
1,3-Dichlorobenzene	10.9	5.0	"	10.0		109	80-130			
1,4-Dichlorobenzene	10.7	5.0	"	10.0		107	80-135			
Dichlorodifluoromethane	13.1	5.0	"	10.0		131	20-150			
1,1-Dichloroethane	10.6	5.0	"	10.0		106	65-130			
1,2-Dichloroethane	9.37	5.0	"	10.0		94	63-124			
1,1-Dichloroethene	12.4	5.0	"	10.0		124	75-135			
cis-1,2-Dichloroethene	11.5	5.0	"	10.0		115	85-135			
trans-1,2-Dichloroethene	12.1	5.0	"	10.0		121	85-125			
1,2-Dichloropropane	10.4	5.0	"	10.0		104	85-120			
1,3-Dichloropropane	10.5	5.0	"	10.0		105	85-125			
2,2-Dichloropropane	11.0	5.0	"	10.0		110	55-150			
1,1-Dichloropropene	10.8	5.0	"	10.0		108	80-125			
Ethylbenzene	10.2	5.0	"	10.0		102	80-135			
Hexachlorobutadiene	11.9	5.0	"	10.0		119	85-150			
Isopropylbenzene	9.60	5.0	"	10.0		96	70-125			
Methylene chloride	11.4	5.0	"	10.0		114	75-130			
Naphthalene	8.46	5.0	"	10.0		85	20-150			
p-Isopropyltoluene	10.1	5.0	"	10.0		101	80-150			
n-Propylbenzene	8.20	5.0	"	10.0		82	85-140			QC02
Styrene	9.96	5.0	"	10.0		100	85-140			
1,1,1,2-Tetrachloroethane	11.7	5.0	"	10.0		117	65-140			
1,1,2,2-Tetrachloroethane	8.40	5.0	"	10.0		84	70-140			
Tetrachloroethene	14.0	5.0	"	10.0		140	70-145			
Toluene	10.6	5.0	"	10.0		106	85-125			
1,2,3-Trichlorobenzene	9.63	5.0	"	10.0		96	80-145			

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02004 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5L02004-BS1)				Prepared & Analyzed: 12/02/05						
1,2,4-Trichlorobenzene	10.1	5.0	ug/kg	10.0		101	75-150			
1,1,1-Trichloroethane	10.8	5.0	"	10.0		108	75-145			
1,1,2-Trichloroethane	10.9	5.0	"	10.0		109	85-125			
Trichloroethene	13.4	5.0	"	10.0		134	85-130			QC01
Trichlorofluoromethane	10.8	5.0	"	10.0		108	80-130			
1,2,3-Trichloropropane	7.81	5.0	"	10.0		78	85-145			QC02
1,2,4-Trimethylbenzene	8.76	5.0	"	10.0		88	75-145			
1,3,5-Trimethylbenzene	8.77	5.0	"	10.0		88	85-150			
Vinyl chloride	10.8	5.0	"	10.0		108	50-125			
Xylenes (total)	30.2	5.0	"	30.0		101	80-140			
Surrogate: Dibromofluoromethane	*4.90*		*"*	*5.00*		*98*	*55-125*			
Surrogate: 1,2-Dichloroethane-d4	*4.24*		*"*	*5.00*		*85*	*60-125*			
Surrogate: Toluene-d8	*4.80*		*"*	*5.00*		*96*	*65-130*			
Surrogate: 4-Bromofluorobenzene	*4.21*		*"*	*5.00*		*84*	*75-120*			
Matrix Spike (5L02004-MS1)	**Source: MOL0043-10**			Prepared & Analyzed: 12/02/05						
Benzene	5.30	4.6	ug/kg	10.0	0.088	52	65-125			QM02
Bromobenzene	4.70	4.6	"	10.0	ND	47	85-125			QM02
Bromochloromethane	6.18	4.6	"	10.0	ND	62	70-140			QM02
Bromodichloromethane	5.91	4.6	"	10.0	ND	59	85-135			QM02
Bromoform	5.66	4.6	"	10.0	ND	57	65-115			QC02
Bromomethane	10.0	4.6	"	10.0	ND	100	70-150			
sec-Butylbenzene	4.06	4.6	"	10.0	ND	41	80-145			QM02
tert-Butylbenzene	4.59	4.6	"	10.0	ND	46	85-145			QM02
n-Butylbenzene	3.61	4.6	"	10.0	ND	36	10-150			
Carbon tetrachloride	5.78	4.6	"	10.0	ND	58	80-120			QM02
Chlorobenzene	4.90	4.6	"	10.0	ND	49	85-130			QM02
Chloroethane	5.65	4.6	"	10.0	ND	56	10-150			
Chloroform	5.38	4.6	"	10.0	ND	54	85-125			QM02
Chloromethane	ND	4.6	"	10.0	ND		35-130			QM02
2-Chlorotoluene	3.87	4.6	"	10.0	ND	39	85-140			QM02
4-Chlorotoluene	3.77	4.6	"	10.0	ND	38	80-145			QM02
1,2-Dibromo-3-chloropropane	3.55	4.6	"	10.0	ND	36	75-125			QM02
Dibromochloromethane	6.29	4.6	"	10.0	ND	63	80-115			QC02
1,2-Dibromoethane (EDB)	5.32	4.6	"	10.0	ND	53	85-130			QM02
Dibromomethane	5.65	4.6	"	10.0	ND	56	85-135			QC02

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5L02004-MS1)	**Source: MOL0043-10**			Prepared & Analyzed: 12/02/05						
1,2-Dichlorobenzene	4.67	4.6	ug/kg	10.0	ND	47	80-145			QM02
1,3-Dichlorobenzene	4.62	4.6	"	10.0	ND	46	80-130			QM02
1,4-Dichlorobenzene	4.62	4.6	"	10.0	ND	46	80-135			QM02
Dichlorodifluoromethane	3.74	4.6	"	10.0	ND	37	20-150			
1,1-Dichloroethane	5.25	4.6	"	10.0	ND	52	65-130			QM02
1,2-Dichloroethane	4.79	4.6	"	10.0	ND	48	63-124			QM02
1,1-Dichloroethene	5.85	4.6	"	10.0	ND	58	75-135			QM02
cis-1,2-Dichloroethene	5.78	4.6	"	10.0	ND	58	85-135			QM02
trans-1,2-Dichloroethene	5.75	4.6	"	10.0	ND	58	85-125			QM02
1,2-Dichloropropane	5.18	4.6	"	10.0	ND	52	85-120			QM02
1,3-Dichloropropane	5.25	4.6	"	10.0	ND	52	85-125			QM02
2,2-Dichloropropane	5.58	4.6	"	10.0	0.079	55	55-150			
1,1-Dichloropropene	5.08	4.6	"	10.0	ND	51	80-125			QM02
Ethylbenzene	4.55	4.6	"	10.0	ND	46	80-135			QM02
Hexachlorobutadiene	4.57	4.6	"	10.0	ND	46	85-150			QM02
Isopropylbenzene	4.29	4.6	"	10.0	ND	43	70-125			QM02
Methylene chloride	6.35	4.6	"	10.0	0.33	60	75-130			QM02
Naphthalene	3.37	4.6	"	10.0	0.088	33	20-150			
p-Isopropyltoluene	4.37	4.6	"	10.0	ND	44	80-150			QM02
n-Propylbenzene	3.55	4.6	"	10.0	ND	36	85-140			QC02
Styrene	4.45	4.6	"	10.0	ND	44	85-140			QM02
1,1,1,2-Tetrachloroethane	5.62	4.6	"	10.0	ND	56	65-140			QM02
1,1,2,2-Tetrachloroethane	4.15	4.6	"	10.0	ND	42	70-140			QM02
Tetrachloroethene	6.67	4.6	"	10.0	0.070	66	70-145			QM02
Toluene	5.41	4.6	"	10.0	0.26	52	85-125			QM02
1,2,3-Trichlorobenzene	3.80	4.6	"	10.0	0.13	37	80-145			QM02
1,2,4-Trichlorobenzene	3.92	4.6	"	10.0	0.097	38	75-150			QM02
1,1,1-Trichloroethane	5.31	4.6	"	10.0	ND	53	75-145			QM02
1,1,2-Trichloroethane	5.54	4.6	"	10.0	ND	55	85-125			QM02
Trichloroethene	10.3	4.6	"	10.0	6.4	39	85-130			QC02
Trichlorofluoromethane	5.12	4.6	"	10.0	0.070	50	80-130			QM02
1,2,3-Trichloropropane	3.82	4.6	"	10.0	1.4	24	85-145			QC02
1,2,4-Trimethylbenzene	3.77	4.6	"	10.0	ND	38	75-145			QM02
1,3,5-Trimethylbenzene	4.01	4.6	"	10.0	ND	40	85-150			QM02
Vinyl chloride	4.66	4.6	"	10.0	0.053	46	50-125			QM02
Xylenes (total)	13.9	4.6	"	30.0	ND	46	80-140			QM02

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5L02004-MS1)	**Source: MOL0043-10**			Prepared & Analyzed: 12/02/05						
Surrogate: Dibromofluoromethane	*5.06*		*ug/kg*	*5.00*		*101*	*55-125*			
Surrogate: 1,2-Dichloroethane-d4	*4.27*		*"*	*5.00*		*85*	*60-125*			
Surrogate: Toluene-d8	*4.73*		*"*	*5.00*		*95*	*65-130*			
Surrogate: 4-Bromofluorobenzene	*4.15*		*"*	*5.00*		*83*	*75-120*			
Matrix Spike Dup (5L02004-MSD1)	**Source: MOL0043-10**			Prepared & Analyzed: 12/02/05						
Benzene	8.12	5.4	ug/kg	10.0	0.088	80	65-125	42	20	QC20
Bromobenzene	6.86	5.4	"	10.0	ND	69	85-125	37	20	QM02, QC20
Bromochloromethane	9.34	5.4	"	10.0	ND	93	70-140	41	30	QC20
Bromodichloromethane	8.95	5.4	"	10.0	ND	90	85-135	41	30	QC20
Bromoform	8.55	5.4	"	10.0	ND	86	65-115	41	25	QC20
Bromomethane	13.9	5.4	"	10.0	ND	139	70-150	33	40	
sec-Butylbenzene	5.66	5.4	"	10.0	ND	57	80-145	33	25	QC20, QM02
tert-Butylbenzene	6.48	5.4	"	10.0	ND	65	85-145	34	25	QC20, QM02
n-Butylbenzene	4.60	5.4	"	10.0	ND	46	10-150	24	25	
Carbon tetrachloride	8.38	5.4	"	10.0	ND	84	80-120	37	25	QC20
Chlorobenzene	7.18	5.4	"	10.0	ND	72	85-130	38	25	QM02, QC20
Chloroethane	8.59	5.4	"	10.0	ND	86	10-150	41	40	QC20
Chloroform	7.93	5.4	"	10.0	ND	79	85-125	38	25	QM02, QC20
Chloromethane	1.94	5.4	"	10.0	ND	19	35-130		40	QM02
2-Chlorotoluene	5.49	5.4	"	10.0	ND	55	85-140	35	25	QC20, QM02
4-Chlorotoluene	5.35	5.4	"	10.0	ND	54	80-145	35	25	QC20, QM02
1,2-Dibromo-3-chloropropane	5.45	5.4	"	10.0	ND	54	75-125	42	25	QC20, QM02
Dibromochloromethane	9.69	5.4	"	10.0	ND	97	80-115	43	20	QC20
1,2-Dibromoethane (EDB)	8.24	5.4	"	10.0	ND	82	85-130	43	15	QC20, QM02
Dibromomethane	8.55	5.4	"	10.0	ND	86	85-135	41	20	QC20
1,2-Dichlorobenzene	6.59	5.4	"	10.0	ND	66	80-145	34	25	QC20, QM02
1,3-Dichlorobenzene	6.42	5.4	"	10.0	ND	64	80-130	33	25	QC20, QM02
1,4-Dichlorobenzene	6.44	5.4	"	10.0	ND	64	80-135	33	20	QC20, QM02
Dichlorodifluoromethane	5.22	5.4	"	10.0	ND	52	20-150	33	25	QC20
1,1-Dichloroethane	7.94	5.4	"	10.0	ND	79	65-130	41	25	QC20
1,2-Dichloroethane	7.40	5.4	"	10.0	ND	74	63-124	43	25	QC20
1,1-Dichloroethene	8.75	5.4	"	10.0	ND	88	75-135	40	30	QC20
cis-1,2-Dichloroethene	8.82	5.4	"	10.0	ND	88	85-135	42	25	QC20
trans-1,2-Dichloroethene	8.71	5.4	"	10.0	ND	87	85-125	41	20	QC20
1,2-Dichloropropane	7.84	5.4	"	10.0	ND	78	85-120	41	20	QC20, QM02

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (5L02004-MSD1)	**Source: MOL0043-10**			Prepared & Analyzed: 12/02/05						
1,3-Dichloropropane	7.95	5.4	ug/kg	10.0	ND	80	85-125	41	25	QC20, QM02
2,2-Dichloropropane	8.22	5.4	"	10.0	0.079	81	55-150	38	25	QC20
1,1-Dichloropropene	7.36	5.4	"	10.0	ND	74	80-125	37	20	QM02, QC20
Ethylbenzene	6.93	5.4	"	10.0	ND	69	80-135	41	20	QM02, QC20
Hexachlorobutadiene	5.31	5.4	"	10.0	ND	53	85-150	15	30	QM02
Isopropylbenzene	6.26	5.4	"	10.0	ND	63	70-125	37	25	QC20, QM02
Methylene chloride	9.37	5.4	"	10.0	0.33	90	75-130	38	25	QC20
Naphthalene	4.70	5.4	"	10.0	0.088	46	20-150	33	40	
p-Isopropyltoluene	5.98	5.4	"	10.0	ND	60	80-150	31	25	QC20, QM02
n-Propylbenzene	4.98	5.4	"	10.0	ND	50	85-140	34	25	QC02, QC20
Styrene	6.56	5.4	"	10.0	ND	66	85-140	38	25	QC20, QM02
1,1,1,2-Tetrachloroethane	8.46	5.4	"	10.0	ND	85	65-140	40	20	QC20
1,1,2,2-Tetrachloroethane	5.97	5.4	"	10.0	ND	60	70-140	36	25	QC20, QM02
Tetrachloroethene	9.53	5.4	"	10.0	0.070	95	70-145	35	40	
Toluene	7.77	5.4	"	10.0	0.26	75	85-125	36	15	QC20, QM02
1,2,3-Trichlorobenzene	4.85	5.4	"	10.0	0.13	47	80-145	24	30	QM02
1,2,4-Trichlorobenzene	4.93	5.4	"	10.0	0.097	48	75-150	23	35	QM02
1,1,1-Trichloroethane	7.84	5.4	"	10.0	ND	78	75-145	38	25	QC20
1,1,2-Trichloroethane	8.24	5.4	"	10.0	ND	82	85-125	39	25	QM02, QC20
Trichloroethene	15.8	5.4	"	10.0	6.4	94	85-130	42	25	QC20
Trichlorofluoromethane	7.61	5.4	"	10.0	0.070	75	80-130	39	25	QC20, QM02
1,2,3-Trichloropropane	5.69	5.4	"	10.0	1.4	43	85-145	39	20	QC02, QC20
1,2,4-Trimethylbenzene	5.51	5.4	"	10.0	ND	55	75-145	38	30	QM02, QC20
1,3,5-Trimethylbenzene	5.66	5.4	"	10.0	ND	57	85-150	34	25	QC20, QM02
Vinyl chloride	6.92	5.4	"	10.0	0.053	69	50-125	39	35	QC20
Xylenes (total)	20.2	5.4	"	30.0	ND	67	80-140	37	20	QC20, QM02
Surrogate: Dibromofluoromethane	*4.92*		*"*	*5.00*		*98*	*55-125*			
Surrogate: 1,2-Dichloroethane-d4	*4.24*		*"*	*5.00*		*85*	*60-125*			
Surrogate: Toluene-d8	*4.82*		*"*	*5.00*		*96*	*65-130*			
Surrogate: 4-Bromofluorobenzene	*4.21*		*"*	*5.00*		*84*	*75-120*			

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06029 - EPA 3550B Sonication / EPA 8270C										
Blank (5L06029-BLK1)				Prepared: 12/06/05 Analyzed: 12/12/05						
Acenaphthene	ND	0.25	mg/kg wet							
Acenaphthylene	ND	0.25	"							
Anthracene	ND	0.25	"							
Benzo (a) anthracene	ND	0.25	"							
Benzo (a) pyrene	ND	0.25	"							
Benzo (b) fluoranthene	ND	0.25	"							
Benzo (g,h,i) perylene	ND	0.25	"							
Benzo (k) fluoranthene	ND	0.25	"							
Benzoic acid	ND	0.50	"							
Benzyl alcohol	ND	0.25	"							
Bis(2-chloroethoxy)methane	ND	0.25	"							
Bis(2-chloroethyl)ether	ND	0.25	"							
Bis(2-chloroisopropyl)ether	ND	0.25	"							
Bis(2-ethylhexyl)phthalate	ND	0.50	"							
4-Bromophenyl phenyl ether	ND	0.25	"							
Butyl benzyl phthalate	ND	0.25	"							
4-Chloroaniline	ND	0.50	"							
2-Chloronaphthalene	ND	0.25	"							
4-Chloro-3-methylphenol	ND	0.25	"							
2-Chlorophenol	ND	0.25	"							
4-Chlorophenyl phenyl ether	ND	0.25	"							
Chrysene	ND	0.25	"							
Dibenz (a,h) anthracene	ND	0.25	"							
Dibenzofuran	ND	0.25	"							
Di-n-butyl phthalate	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.25	"							
1,3-Dichlorobenzene	ND	0.25	"							
1,4-Dichlorobenzene	ND	0.25	"							
3,3´-Dichlorobenzidine	ND	0.50	"							
2,4-Dichlorophenol	ND	0.25	"							
Diethyl phthalate	ND	0.25	"							
2,4-Dimethylphenol	ND	0.50	"							
Dimethyl phthalate	ND	0.25	"							
4,6-Dinitro-2-methylphenol	ND	0.50	"							
2,4-Dinitrophenol	ND	0.50	"							
2,4-Dinitrotoluene	ND	0.25	"							

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06029 - EPA 3550B Sonication / EPA 8270C										
Blank (5L06029-BLK1)				Prepared: 12/06/05 Analyzed: 12/12/05						
2,6-Dinitrotoluene	ND	0.25	mg/kg wet							
Di-n-octyl phthalate	ND	0.50	"							
Fluoranthene	ND	0.25	"							
Fluorene	ND	0.25	"							
Hexachlorobenzene	ND	0.25	"							
Hexachlorobutadiene	ND	0.25	"							
Hexachlorocyclopentadiene	ND	0.50	"							
Hexachloroethane	ND	0.25	"							
Indeno (1,2,3-cd) pyrene	ND	0.25	"							
Isophorone	ND	0.25	"							
2-Methylnaphthalene	ND	0.25	"							
2-Methylphenol	ND	0.25	"							
4-Methylphenol	ND	0.25	"							
Naphthalene	ND	0.25	"							
2-Nitroaniline	ND	0.50	"							
3-Nitroaniline	ND	0.50	"							
4-Nitroaniline	ND	0.50	"							
Nitrobenzene	ND	0.25	"							
2-Nitrophenol	ND	0.25	"							
4-Nitrophenol	ND	0.50	"							
N-Nitrosodi-n-propylamine	ND	0.25	"							
N-Nitrosodiphenylamine	ND	0.25	"							
Pentachlorophenol	ND	0.50	"							
Phenanthrene	ND	0.25	"							
Phenol	ND	0.25	"							
Pyrene	ND	0.25	"							
1,2,4-Trichlorobenzene	ND	0.25	"							
2,4,5-Trichlorophenol	ND	0.50	"							
2,4,6-Trichlorophenol	ND	0.25	"							
Surrogate: 2-Fluorophenol	*2.48*		*"*	*3.33*		*74*	*30-115*			
Surrogate: Phenol-d6	*2.58*		*"*	*3.33*		*77*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.32*		*"*	*1.67*		*79*	*45-115*			
Surrogate: 2-Fluorobiphenyl	*1.38*		*"*	*1.67*		*83*	*50-115*			
Surrogate: 2,4,6-Tribromophenol	*2.14*		*"*	*3.33*		*64*	*10-115*			
Surrogate: p-Terphenyl-d14	*1.45*		*"*	*1.67*		*87*	*65-120*			

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06029 - EPA 3550B Sonication / EPA 8270C										
Laboratory Control Sample (5L06029-BS1)				Prepared: 12/06/05 Analyzed: 12/12/05						
Acenaphthene	1.26	0.25	mg/kg wet	1.67		75	70-120			
Acenaphthylene	1.41	0.25	"	1.67		84	25-145			
Anthracene	1.50	0.25	"	1.67		90	25-150			
Benzo (a) anthracene	1.33	0.25	"	1.67		80	25-150			
Benzo (a) pyrene	1.36	0.25	"	1.67		81	25-150			
Benzo (b) fluoranthene	1.28	0.25	"	1.67		77	25-150			
Benzo (g,h,i) perylene	1.19	0.25	"	1.67		71	15-150			
Benzo (k) fluoranthene	1.24	0.25	"	1.67		74	25-145			
Benzyl alcohol	1.30	0.25	"	1.67		78	20-130			
Bis(2-chloroethoxy)methane	1.45	0.25	"	1.67		87	25-135			
Bis(2-chloroethyl)ether	1.36	0.25	"	1.67		81	20-135			
Bis(2-chloroisopropyl)ether	1.31	0.25	"	1.67		78	20-140			
Bis(2-ethylhexyl)phthalate	1.51	0.50	"	1.67		90	15-150			
4-Bromophenyl phenyl ether	1.44	0.25	"	1.67		86	20-145			
Butyl benzyl phthalate	1.51	0.25	"	1.67		90	15-145			
4-Chloroaniline	0.911	0.50	"	1.67		55	10-115			
2-Chloronaphthalene	1.30	0.25	"	1.67		78	25-140			
4-Chloro-3-methylphenol	1.40	0.25	"	1.67		84	60-130			
2-Chlorophenol	1.30	0.25	"	1.67		78	60-115			
4-Chlorophenyl phenyl ether	1.28	0.25	"	1.67		77	20-140			
Chrysene	1.37	0.25	"	1.67		82	30-145			
Dibenz (a,h) anthracene	1.23	0.25	"	1.67		74	15-150			
Dibenzofuran	1.24	0.25	"	1.67		74	20-140			
Di-n-butyl phthalate	1.52	0.50	"	1.67		91	20-150			
1,2-Dichlorobenzene	1.14	0.25	"	1.67		68	20-130			
1,3-Dichlorobenzene	1.12	0.25	"	1.67		67	15-130			
1,4-Dichlorobenzene	1.15	0.25	"	1.67		69	55-115			
2,4-Dichlorophenol	1.38	0.25	"	1.67		83	45-120			
Diethyl phthalate	1.36	0.25	"	1.67		81	45-130			
2,4-Dimethylphenol	1.15	0.50	"	1.67		69	10-135			
Dimethyl phthalate	1.36	0.25	"	1.67		81	25-145			
4,6-Dinitro-2-methylphenol	0.831	0.50	"	1.67		50	15-130			
2,4-Dinitrophenol	0.685	0.50	"	1.67		41	10-130			
2,4-Dinitrotoluene	1.35	0.25	"	1.67		81	40-135			
2,6-Dinitrotoluene	1.48	0.25	"	1.67		89	20-150			
Di-n-octyl phthalate	1.27	0.50	"	1.67		76	10-145			

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06029 - EPA 3550B Sonication / EPA 8270C										
Laboratory Control Sample (5L06029-BS1)				Prepared: 12/06/05 Analyzed: 12/12/05						
Fluoranthene	1.42	0.25	mg/kg wet	1.67		85	25-150			
Fluorene	1.31	0.25	"	1.67		78	25-150			
Hexachlorobenzene	1.32	0.25	"	1.67		79	25-145			
Hexachlorobutadiene	1.22	0.25	"	1.67		73	15-145			
Hexachlorocyclopentadiene	1.49	0.50	"	1.67		89	15-145			
Hexachloroethane	1.17	0.25	"	1.67		70	15-125			
Indeno (1,2,3-cd) pyrene	1.30	0.25	"	1.67		78	20-150			
Isophorone	1.35	0.25	"	1.67		81	20-125			
2-Methylnaphthalene	1.24	0.25	"	1.67		74	20-135			
2-Methylphenol	1.26	0.25	"	1.67		75	20-140			
4-Methylphenol	1.18	0.25	"	0.833		142	20-150			
Naphthalene	1.35	0.25	"	1.67		81	25-130			
2-Nitroaniline	1.38	0.50	"	1.67		83	25-140			
3-Nitroaniline	1.10	0.50	"	1.67		66	10-115			
4-Nitroaniline	1.21	0.50	"	1.67		72	10-130			
Nitrobenzene	1.40	0.25	"	1.67		84	25-130			
2-Nitrophenol	1.46	0.25	"	1.67		87	20-135			
4-Nitrophenol	1.09	0.50	"	1.67		65	45-145			
N-Nitrosodi-n-propylamine	1.35	0.25	"	1.67		81	60-115			
N-Nitrosodiphenylamine	1.90	0.25	"	1.67		114	20-150			
Pentachlorophenol	0.827	0.50	"	1.67		50	40-115			
Phenanthrene	1.45	0.25	"	1.67		87	25-150			
Phenol	1.28	0.25	"	1.67		77	60-115			
Pyrene	1.44	0.25	"	1.67		86	70-120			
1,2,4-Trichlorobenzene	1.34	0.25	"	1.67		80	60-115			
2,4,5-Trichlorophenol	1.33	0.50	"	1.67		80	25-140			
2,4,6-Trichlorophenol	1.31	0.25	"	1.67		78	25-140			
Surrogate: 2-Fluorophenol	*2.53*		"	*3.33*		*76*	*30-115*			
Surrogate: Phenol-d6	*2.58*		"	*3.33*		*77*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.39*		"	*1.67*		*83*	*45-115*			
Surrogate: 2-Fluorobiphenyl	*1.34*		"	*1.67*		*80*	*50-115*			
Surrogate: 2,4,6-Tribromophenol	*2.54*		"	*3.33*		*76*	*10-115*			
Surrogate: p-Terphenyl-d14	*1.41*		"	*1.67*		*84*	*65-120*			

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Sequoia Analytical

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Morgan Hill, CA 95037
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FAX (408) 782-6308
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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06029 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike (5L06029-MS1)	**Source: MOK1087-01**			Prepared: 12/06/05	Analyzed: 12/12/05					
Acenaphthene	ND	31	mg/kg dry	1.67	ND		70-120			QM02
Acenaphthylene	ND	31	"	1.67	ND		25-145			QM02
Anthracene	ND	31	"	1.67	ND		25-150			QM02
Benzo (a) anthracene	ND	31	"	1.67	ND		25-150			QM02
Benzo (a) pyrene	ND	31	"	1.67	ND		25-150			QM02
Benzo (b) fluoranthene	ND	31	"	1.67	ND		25-150			QM02
Benzo (g,h,i) perylene	ND	31	"	1.67	ND		15-150			QM02
Benzo (k) fluoranthene	ND	31	"	1.67	ND		25-145			QM02
Benzyl alcohol	ND	31	"	1.67	ND		20-130			QM02
Bis(2-chloroethoxy)methane	ND	31	"	1.67	ND		25-135			QM02
Bis(2-chloroethyl)ether	ND	31	"	1.67	ND		20-135			QM02
Bis(2-chloroisopropyl)ether	ND	31	"	1.67	ND		20-140			QM02
Bis(2-ethylhexyl)phthalate	15.5	61	"	1.67	18	0	15-150			QM02
4-Bromophenyl phenyl ether	ND	31	"	1.67	ND		20-145			QM02
Butyl benzyl phthalate	ND	31	"	1.67	ND		15-145			QM02
4-Chloroaniline	ND	61	"	1.67	ND		10-115			QM02
2-Chloronaphthalene	ND	31	"	1.67	ND		25-140			QM02
4-Chloro-3-methylphenol	ND	31	"	1.67	ND		60-130			QM02
2-Chlorophenol	ND	31	"	1.67	ND		60-115			QM02
4-Chlorophenyl phenyl ether	ND	31	"	1.67	ND		20-140			QM02
Chrysene	ND	31	"	1.67	ND		30-145			QM02
Dibenz (a,h) anthracene	ND	31	"	1.67	ND		15-150			QM02
Dibenzofuran	ND	31	"	1.67	ND		20-140			QM02
Di-n-butyl phthalate	ND	61	"	1.67	ND		20-150			QM02
1,2-Dichlorobenzene	ND	31	"	1.67	ND		20-130			QM02
1,3-Dichlorobenzene	ND	31	"	1.67	ND		15-130			QM02
1,4-Dichlorobenzene	ND	31	"	1.67	ND		55-115			QM02
2,4-Dichlorophenol	ND	31	"	1.67	ND		45-120			QM02
Diethyl phthalate	ND	31	"	1.67	ND		45-130			QM02
2,4-Dimethylphenol	ND	61	"	1.67	ND		10-135			QM02
Dimethyl phthalate	ND	31	"	1.67	ND		25-145			QM02
4,6-Dinitro-2-methylphenol	ND	61	"	1.67	ND		15-130			QM02
2,4-Dinitrophenol	ND	61	"	1.67	ND		10-130			QM02
2,4-Dinitrotoluene	ND	31	"	1.67	ND		40-135			QM02
2,6-Dinitrotoluene	ND	31	"	1.67	ND		20-150			QM02
Di-n-octyl phthalate	ND	61	"	1.67	ND		10-145			QM02

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06029 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike (5L06029-MS1)	**Source: MOK1087-01**			Prepared: 12/06/05	Analyzed: 12/12/05					
Fluoranthene	ND	31	mg/kg dry	1.67	ND		25-150			QM02
Fluorene	ND	31	"	1.67	ND		25-150			QM02
Hexachlorobenzene	ND	31	"	1.67	ND		25-145			QM02
Hexachlorobutadiene	ND	31	"	1.67	ND		15-145			QM02
Hexachlorocyclopentadiene	ND	61	"	1.67	ND		15-145			QM02
Hexachloroethane	ND	31	"	1.67	ND		15-125			QM02
Indeno (1,2,3-cd) pyrene	ND	31	"	1.67	ND		20-150			QM02
Isophorone	ND	31	"	1.67	ND		20-125			QM02
2-Methylnaphthalene	ND	31	"	1.67	ND		20-135			QM02
2-Methylphenol	ND	31	"	1.67	ND		20-140			QM02
4-Methylphenol	ND	31	"	0.833	ND		20-150			QM02
Naphthalene	ND	31	"	1.67	ND		25-130			QM02
2-Nitroaniline	ND	61	"	1.67	ND		25-140			QM02
3-Nitroaniline	ND	61	"	1.67	ND		10-115			QM02
4-Nitroaniline	ND	61	"	1.67	ND		10-130			QM02
Nitrobenzene	ND	31	"	1.67	ND		25-130			QM02
2-Nitrophenol	ND	31	"	1.67	ND		20-135			QM02
4-Nitrophenol	ND	61	"	1.67	ND		45-145			QM02
N-Nitrosodi-n-propylamine	ND	31	"	1.67	ND		60-115			QM02
N-Nitrosodiphenylamine	ND	31	"	1.67	ND		20-150			QM02
Pentachlorophenol	ND	61	"	1.67	ND		40-115			QM02
Phenanthrene	ND	31	"	1.67	ND		25-150			QM02
Phenol	ND	31	"	1.67	ND		60-115			QM02
Pyrene	ND	31	"	1.67	ND		70-120			QM02
1,2,4-Trichlorobenzene	ND	31	"	1.67	ND		60-115			QM02
2,4,5-Trichlorophenol	ND	61	"	1.67	ND		25-140			QM02
2,4,6-Trichlorophenol	ND	31	"	1.67	ND		25-140			QM02
Surrogate: 2-Fluorophenol	*0.00*		"	*3.33*			*30-115*			*S08*
Surrogate: Phenol-d6	*0.00*		"	*3.33*			*35-115*			*S08*
Surrogate: Nitrobenzene-d5	*0.00*		"	*1.67*			*45-115*			*S08*
Surrogate: 2-Fluorobiphenyl	*0.00*		"	*1.67*			*50-115*			*S08*
Surrogate: 2,4,6-Tribromophenol	*0.00*		"	*3.33*			*10-115*			*S08*
Surrogate: p-Terphenyl-d14	*0.00*		"	*1.67*			*65-120*			*S08*

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06029 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike Dup (5L06029-MSD1)	**Source: MOK1087-01**			Prepared: 12/06/05	Analyzed: 12/12/05					
Acenaphthene	ND	31	mg/kg dry	1.67	ND		70-120		20	QM02
Acenaphthylene	ND	31	"	1.67	ND		25-145		40	QM02
Anthracene	ND	31	"	1.67	ND		25-150		40	QM02
Benzo (a) anthracene	ND	31	"	1.67	ND		25-150		40	QM02
Benzo (a) pyrene	ND	31	"	1.67	ND		25-150		40	QM02
Benzo (b) fluoranthene	ND	31	"	1.67	ND		25-150		40	QM02
Benzo (g,h,i) perylene	ND	31	"	1.67	ND		15-150		40	QM02
Benzo (k) fluoranthene	ND	31	"	1.67	ND		25-145		40	QM02
Benzyl alcohol	ND	31	"	1.67	ND		20-130		40	QM02
Bis(2-chloroethoxy)methane	ND	31	"	1.67	ND		25-135		40	QM02
Bis(2-chloroethyl)ether	ND	31	"	1.67	ND		20-135		40	QM02
Bis(2-chloroisopropyl)ether	ND	31	"	1.67	ND		20-140		40	QM02
Bis(2-ethylhexyl)phthalate	16.4	61	"	1.67	18	0	15-150	6	40	QM02
4-Bromophenyl phenyl ether	ND	31	"	1.67	ND		20-145		40	QM02
Butyl benzyl phthalate	ND	31	"	1.67	ND		15-145		40	QM02
4-Chloroaniline	ND	61	"	1.67	ND		10-115		40	QM02
2-Chloronaphthalene	ND	31	"	1.67	ND		25-140		40	QM02
4-Chloro-3-methylphenol	ND	31	"	1.67	ND		60-130		25	QM02
2-Chlorophenol	ND	31	"	1.67	ND		60-115		20	QM02
4-Chlorophenyl phenyl ether	ND	31	"	1.67	ND		20-140		40	QM02
Chrysene	ND	31	"	1.67	ND		30-145		40	QM02
Dibenz (a,h) anthracene	ND	31	"	1.67	ND		15-150		40	QM02
Dibenzofuran	ND	31	"	1.67	ND		20-140		40	QM02
Di-n-butyl phthalate	ND	61	"	1.67	ND		20-150		40	
1,2-Dichlorobenzene	ND	31	"	1.67	ND		20-130		40	QM02
1,3-Dichlorobenzene	ND	31	"	1.67	ND		15-130		40	QM02
1,4-Dichlorobenzene	ND	31	"	1.67	ND		55-115		25	QM02
2,4-Dichlorophenol	ND	31	"	1.67	ND		45-120		40	QM02
Diethyl phthalate	ND	31	"	1.67	ND		45-130		40	QM02
2,4-Dimethylphenol	ND	61	"	1.67	ND		10-135		40	QM02
Dimethyl phthalate	ND	31	"	1.67	ND		25-145		40	QM02
4,6-Dinitro-2-methylphenol	ND	61	"	1.67	ND		15-130		40	QM02
2,4-Dinitrophenol	ND	61	"	1.67	ND		10-130		40	QM02
2,4-Dinitrotoluene	ND	31	"	1.67	ND		40-135		40	QM02
2,6-Dinitrotoluene	ND	31	"	1.67	ND		20-150		40	QM02
Di-n-octyl phthalate	ND	61	"	1.67	ND		10-145		40	QM02

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06029 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike Dup (5L06029-MSD1)	**Source: MOK1087-01**			Prepared: 12/06/05	Analyzed: 12/12/05					
Fluoranthene	ND	31	mg/kg dry	1.67	ND		25-150		40	QM02
Fluorene	ND	31	"	1.67	ND		25-150		40	QM02
Hexachlorobenzene	ND	31	"	1.67	ND		25-145		40	QM02
Hexachlorobutadiene	ND	31	"	1.67	ND		15-145		40	QM02
Hexachlorocyclopentadiene	ND	61	"	1.67	ND		15-145		40	QM02
Hexachloroethane	ND	31	"	1.67	ND		15-125		40	QM02
Indeno (1,2,3-cd) pyrene	ND	31	"	1.67	ND		20-150		40	QM02
Isophorone	ND	31	"	1.67	ND		20-125		40	QM02
2-Methylnaphthalene	ND	31	"	1.67	ND		20-135		40	QM02
2-Methylphenol	ND	31	"	1.67	ND		20-140		40	QM02
4-Methylphenol	ND	31	"	0.833	ND		20-150		40	QM02
Naphthalene	ND	31	"	1.67	ND		25-130		40	QM02
2-Nitroaniline	ND	61	"	1.67	ND		25-140		40	QM02
3-Nitroaniline	ND	61	"	1.67	ND		10-115		40	QM02
4-Nitroaniline	ND	61	"	1.67	ND		10-130		40	QM02
Nitrobenzene	ND	31	"	1.67	ND		25-130		40	QM02
2-Nitrophenol	ND	31	"	1.67	ND		20-135		40	QM02
4-Nitrophenol	ND	61	"	1.67	ND		45-145		30	QM02
N-Nitrosodi-n-propylamine	ND	31	"	1.67	ND		60-115		20	QM02
N-Nitrosodiphenylamine	ND	31	"	1.67	ND		20-150		40	QM02
Pentachlorophenol	ND	61	"	1.67	ND		40-115		25	QM02
Phenanthrene	ND	31	"	1.67	ND		25-150		40	QM02
Phenol	ND	31	"	1.67	ND		60-115		15	QM02
Pyrene	ND	31	"	1.67	ND		70-120		20	QM02
1,2,4-Trichlorobenzene	ND	31	"	1.67	ND		60-115		20	QM02
2,4,5-Trichlorophenol	ND	61	"	1.67	ND		25-140		40	QM02
2,4,6-Trichlorophenol	ND	31	"	1.67	ND		25-140		40	QM02
Surrogate: 2-Fluorophenol	*0.00*		"	*3.33*			*30-115*			*S08*
Surrogate: Phenol-d6	*0.00*		"	*3.33*			*35-115*			*S08*
Surrogate: Nitrobenzene-d5	*0.00*		"	*1.67*			*45-115*			*S08*
Surrogate: 2-Fluorobiphenyl	*0.00*		"	*1.67*			*50-115*			*S08*
Surrogate: 2,4,6-Tribromophenol	*0.00*		"	*3.33*			*10-115*			*S08*
Surrogate: p-Terphenyl-d14	*0.00*		"	*1.67*			*65-120*			*S08*

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L06006 - General Preparation / SM 2540G										
Duplicate (5L06006-DUP1)	**Source: MOK1087-01**			Prepared: 12/05/05	Analyzed: 12/06/05					
Moisture	10.9	0.10	%		11			0.9	20	

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City of San Leandro	Project:WPCP	MOK1087
3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L05022 - General Preparation / EPA 300.0										
Blank (5L05022-BLK1)				Prepared & Analyzed: 11/28/05						
Nitrate as N	ND	0.11	mg/kg							
Fluoride	ND	0.10	"							
Laboratory Control Sample (5L05022-BS1)				Prepared & Analyzed: 11/28/05						
Fluoride	2.56	0.10	mg/kg	2.50		102	90-110			
Nitrate as N	2.21	0.11	"	2.26		98	90-110			
Matrix Spike (5L05022-MS1)	**Source: MOK1087-01**			Prepared & Analyzed: 11/28/05						
Nitrate as N	1100	110	mg/kg	22.6	1000	442	80-110			QM01
Fluoride	6.66	1.0	"	25.0	1.8	19	80-120			QM02
Matrix Spike Dup (5L05022-MSD1)	**Source: MOK1087-01**			Prepared & Analyzed: 11/28/05						
Fluoride	13.4	10	mg/kg	25.0	1.8	46	80-120	67	20	QM02
Nitrate as N	1150	110	"	22.6	1000	664	80-110	4	10	QM01

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3000 Davis Street	Project Number:WPCP	**Reported:**
San Leandro CA, 94577	Project Manager:Shahed Abbasi	01/20/06 16:30

Notes and Definitions

S08	The surrogate recovery for this sample is not available due to sample dilution which was required by high analyte concentration and/or matrix interference.
S04	The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM01	The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QC21	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QC20	The RPD was outside control limits.
QC02	The percent recovery was below the control limits.
QC01	The percent recovery was above the control limits.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
C-06	To reduce matrix interference, the sample extract has undergone TBA (sulfur) clean-up, method 3660B.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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DETERMINATION OF PCDD/PCDF LEVELS

Prepared for:
Sequoia Analytical – Morgan Hill
Attn: Theresa Allen
885 Jarvis Drive
Morgan Hill, CA 95037

ACCREDITED IN ACCORDANCE WITH nelac

This report contains 10 pages.

The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Project: Chemical Analysis

Client Project Number: MOK1087

REPORT OF LABORATORY ANALYSIS

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REPORT OF: CHEMICAL ANALYSES

PROJECT: **PCDD/PCDF ANALYSES** **DATE:** December 22, 2005

ISSUED TO: Sequoia Analytical – Morgan Hill
Attn: Theresa Allen
885 Jarvis Drive
Morgan Hill, CA 95037

REPORT NO: 05-1024355

INTRODUCTION

This report presents the results from the analyses performed on one sample submitted by a representative of Sequoia Analytical – Morgan Hill. The sample was analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 1613B.

SAMPLE IDENTIFICATION

Client ID	Sample Type	Date Received	Pace ID
MOK1087-01	Soil	12/02/05	1024355001

DISCUSSION

The recoveries of the isotopically-labeled PCDD and PCDF internal standards in the sample extract ranged from 67-115%. All of the labeled standard recoveries obtained for this project were within the Method 1613 target ranges. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

In one case, the presence of an interfering substance impacted the determination of a PCDF congener. The affected value was flagged "E" due to a co-eluting polychlorinated diphenyl ether.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results, found at the beginning of Appendix B, show the blank to be free of PCDDs and PCDFs at the reporting limits. This indicates that the sample preparation procedures did not impact the field sample determinations.

A laboratory spike sample was also prepared with the sample batch using clean sand that had been fortified with native standard materials. Recoveries of the spiked native congeners ranged from 101-121%. These results indicate a high degree of accuracy for these determinations.

REPORT OF LABORATORY ANALYSIS
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REPORT OF: CHEMICAL ANALYSES

PROJECT: **PCDD/PCDF ANALYSES** **DATE:** December 22, 2005

PAGE: 2 **REPORT NO:** 05-1024355

REMARKS

The sample extract will be retained for a period of 15 days from the date of this report and then discarded unless other arrangements are made. The raw mass spectral data will be archived on magnetic tape for a period of not less than one year. Questions regarding the data contained in this report may be directed to the author at the number provided below.

Pace Analytical Services, Inc.

Nate Habte
Project Manager, Dioxins
(612) 607-6407

REPORT OF LABORATORY ANALYSIS
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Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

TABLE 1. 2,3,7,8-TCDD Equivalency Factors (TEFs) for the Polychlorinated Dibenzo-p-dioxins and Dibenzofurans

Number	Compound(s)	TEF
1	2,3,7,8-TCDD	1.00
2	1,2,3,7,8-PeCDD	0.50
3	1,2,3,6,7,8-HxCDD	0.1
4	1,2,3,7,8,9-HxCDD	0.1
5	1,2,3,4,7,8-HxCDD	0.1
6	1,2,3,4,6,7,8-HpCDD	0.01
7	OCDD	0.001
8	* Total - TCDD	0.0
9	* Total - PeCDD	0.0
10	* Total - HxCDD	0.0
11	* Total - HpCDD	0.0
12	2,3,7,8-TCDF	0.10
13	1,2,3,7,8-PeCDF	0.05
14	2,3,4,7,8-PeCDF	0.5
15	1,2,3,6,7,8-HxCDF	0.1
16	1,2,3,7,8,9-HxCDF	0.1
17	1,2,3,4,7,8-HxCDF	0.1
18	2,3,4,6,7,8-HxCDF	0.1
19	1,2,3,4,6,7,8-HpCDF	0.01
20	1,2,3,4,7,8,9-HpCDF	0.01
21	OCDF	0.001
22	* Total - TCDF	0.0
23	* Total - PeCDF	0.0
24	* Total - HxCDF	0.0
25	* Total - HpCDF	0.0

*Excluding the 2,3,7,8-substituted congeners.

Reference: 1989 ITEFs

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1700 Elm Street
Minneapolis, MN 55414
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APPENDIX A

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SUBCONTRACT ORDER

Printed: 12/1/05 11:48:15AM

Sequoia Analytical - Morgan Hill

MOK1087

1024355

SENDING LABORATORY:

Sequoia Analytical - Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037
Phone: 408-776-9600
Fax: 408-782-6308
Project Manager: Theresa Allen
Sending lab received date: 11/28/05 14:25

RECEIVING LABORATORY:

Pace Analytical - MN
1700 Elm St., Suite 200
Minneapolis, MN 55414
Phone: (612) 607-1700
Fax: (612) 607-6444

- ☐ Drinking Water
- ☐ Waste Water
- ☐ Other

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: MOK1087-01 (Soil sampled on 11/28/05 11:15)				
1613 Dioxin (SUB)	**12/12/05 12:00**	12/28/05 11:15		Pace, 7-dioxin & 10 Dibenzofuran
Containers Supplied:				
4 oz. jar (D)				001

Released By	Date	Time	Received By	Date	Time
Jaurylhan	12/01/05	13 45	J Richardson	12/2/05	9:00 15

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Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

APPENDIX B

REPORT OF LABORATORY ANALYSIS
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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Blank Analysis Results

Client - Sequoia Analytical

Lab Sample ID	BLANK-8459	Matrix	Solid
Filename	U51216A_03	Dilution	NA
Total Amount Extracted	20.5 g	Extracted	12/12/2005
ICAL Date	12/13/2005	Analyzed	12/16/2005 02:40
CCal Filename(s)	U51215B_16	Injected By	SMT

Native Isomers	Conc ng/Kg	EMPC ng/Kg	PRL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.49	2,3,7,8-TCDF-13C	2.00	77
Total TCDF	ND	-----	-----	2,3,7,8-TCDD-13C	2.00	78
				1,2,3,7,8-PeCDF-13C	2.00	79
2,3,7,8-TCDD	ND	-----	0.49	2,3,4,7,8-PeCDF-13C	2.00	80
Total TCDD	ND	-----	-----	1,2,3,7,8-PeCDD-13C	2.00	86
				1,2,3,4,7,8-HxCDF-13C	2.00	88
1,2,3,7,8-PeCDF	ND	-----	2.40	1,2,3,6,7,8-HxCDF-13C	2.00	72
2,3,4,7,8-PeCDF	ND	-----	2.40	2,3,4,6,7,8-HxCDF-13C	2.00	79
Total PeCDF	ND	-----	-----	1,2,3,7,8,9-HxCDF-13C	2.00	83
				1,2,3,4,7,8-HxCDD-13C	2.00	85
1,2,3,7,8-PeCDD	ND	-----	2.40	1,2,3,6,7,8-HxCDD-13C	2.00	68
Total PeCDD	ND	-----	-----	1,2,3,4,6,7,8-HpCDF-13C	2.00	59
				1,2,3,4,7,8,9-HpCDF-13C	2.00	59
1,2,3,4,7,8-HxCDF	ND	-----	2.40	1,2,3,4,6,7,8-HpCDD-13C	2.00	65
1,2,3,6,7,8-HxCDF	ND	-----	2.40	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	ND	-----	2.40			
1,2,3,7,8,9-HxCDF	ND	-----	2.40	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	-----	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	2.40	2,3,7,8-TCDD-37Cl4	0.20	86
1,2,3,6,7,8-HxCDD	ND	-----	2.40			
1,2,3,7,8,9-HxCDD	ND	-----	2.40			
Total HxCDD	ND	-----	-----			
1,2,3,4,6,7,8-HpCDF	ND	-----	2.40	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	2.40	Equivalence: 0.00 ng/Kg		
Total HpCDF	ND	-----	-----	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	2.40			
Total HpCDD	ND	-----	-----			
OCDF	ND	-----	4.90			
OCDD	ND	-----	4.90			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
PRL = Pace Analytical Reporting Limit
A = Limit of Detection based on signal to noise
P = Recovery outside of method 1613 control limits
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
J = Value below calibration range
* = See Discussion

Report No.....1024355

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Analysis Results

Client - Sequoia Analytical

Client's Sample ID	MOK1087-01		
Lab Sample ID	1024355001		
Filename	U51218B_11		
Injected By	BAL		
Total Amount Extracted	12.3 g	Matrix	Soil
% Moisture	18.0	Dilution	NA
Dry Weight Extracted	10.1 g	Collected	11/28/2005
ICAL Date	12/13/2005	Received	12/02/2005
CCal Filename(s)	U51218B_01	Extracted	12/12/2005
Method Blank ID	BLANK-8459	Analyzed	12/18/2005 22:54

Native Isomers	Conc ng/Kg	EMPC ng/Kg	PRL ng/Kg		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	3.70	-----	0.99		2,3,7,8-TCDF-13C	2.00	67
Total TCDF	58.00	-----	-----		2,3,7,8-TCDD-13C	2.00	79
					1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	0.99	-----	0.99		2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	26.00	-----	-----		1,2,3,7,8-PeCDD-13C	2.00	91
					1,2,3,4,7,8-HxCDF-13C	2.00	90
1,2,3,7,8-PeCDF	ND	-----	5.00		1,2,3,6,7,8-HxCDF-13C	2.00	67
2,3,4,7,8-PeCDF	ND	-----	5.00		2,3,4,6,7,8-HxCDF-13C	2.00	71
Total PeCDF	52.00	-----	-----		1,2,3,7,8,9-HxCDF-13C	2.00	79
					1,2,3,4,7,8-HxCDD-13C	2.00	96
1,2,3,7,8-PeCDD	5.70	-----	5.00		1,2,3,6,7,8-HxCDD-13C	2.00	67
Total PeCDD	110.00	-----	-----		1,2,3,4,6,7,8-HpCDF-13C	2.00	80
					1,2,3,4,7,8,9-HpCDF-13C	2.00	77
1,2,3,4,7,8-HxCDF	-----	9.0	5.00	E	1,2,3,4,6,7,8-HpCDD-13C	2.00	115
1,2,3,6,7,8-HxCDF	8.40	-----	5.00		OCDD-13C	4.00	75
2,3,4,6,7,8-HxCDF	7.30	-----	5.00				
1,2,3,7,8,9-HxCDF	ND	-----	5.00		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	59.00	-----	-----		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	5.00		2,3,7,8-TCDD-37Cl4	0.20	76
1,2,3,6,7,8-HxCDD	14.00	-----	5.00				
1,2,3,7,8,9-HxCDD	6.80	-----	5.00				
Total HxCDD	140.00	-----	-----				
1,2,3,4,6,7,8-HpCDF	98.00	-----	5.00		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	9.80	-----	5.00		Equivalence: 16 ng/Kg		
Total HpCDF	110.00	-----	-----		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	290.00	-----	5.00				
Total HpCDD	570.00	-----	-----				
OCDF	330.00	-----	9.90				
OCDD	3400.00	-----	9.90				

Results reported on a dry weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
PRL = Pace Analytical Reporting Limit.
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
J = Value below calibration range
* = See Discussion

Report No.....1024355

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Laboratory Control Spike Results

Client - Sequoia Analytical

Lab Sample ID	LCS-8460		
Filename	U51216A_01	Matrix	Solid
Total Amount Extracted	20.3 g	Dilution	NA
ICAL Date	12/13/2005	Extracted	12/12/2005
CCal Filename	U51215B_16	Analyzed	12/16/2005 01:05
Method Blank ID	BLANK-8459	Injected By	SMT

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	10.7	7.5	15.8	107
2,3,7,8-TCDD	10	10.8	6.7	15.8	108
1,2,3,7,8-PeCDF	50	60.6	40.0	67.0	121
2,3,4,7,8-PeCDF	50	57.4	34.0	80.0	115
1,2,3,7,8-PeCDD	50	50.3	35.0	71.0	101
1,2,3,4,7,8-HxCDF	50	53.1	36.0	67.0	106
1,2,3,6,7,8-HxCDF	50	58.4	42.0	65.0	117
2,3,4,6,7,8-HxCDF	50	56.1	35.0	78.0	112
1,2,3,7,8,9-HxCDF	50	56.0	39.0	65.0	112
1,2,3,4,7,8-HxCDD	50	60.6	35.0	82.0	121
1,2,3,6,7,8-HxCDD	50	58.3	38.0	67.0	117
1,2,3,7,8,9-HxCDD	50	56.2	32.0	81.0	112
1,2,3,4,6,7,8-HpCDF	50	60.0	41.0	61.0	120
1,2,3,4,7,8,9-HpCDF	50	59.7	39.0	69.0	119
1,2,3,4,6,7,8-HpCDD	50	55.5	35.0	70.0	111
OCDF	100	118.0	63.0	170.0	118
OCDD	100	109.9	78.0	144.0	110
2,3,7,8-TCDD-37Cl4	10	7.7	3.1	19.1	77
2,3,7,8-TCDF-13C	100	67.4	22.0	152.0	67
2,3,7,8-TCDD-13C	100	68.1	20.0	175.0	68
1,2,3,7,8-PeCDF-13C	100	77.6	21.0	192.0	78
2,3,4,7,8-PeCDF-13C	100	76.8	13.0	328.0	77
1,2,3,7,8-PeCDD-13C	100	85.8	21.0	227.0	86
1,2,3,4,7,8-HxCDF-13C	100	89.4	19.0	202.0	89
1,2,3,6,7,8-HxCDF-13C	100	74.1	21.0	159.0	74
2,3,4,6,7,8-HxCDF-13C	100	80.5	22.0	176.0	80
1,2,3,7,8,9-HxCDF-13C	100	83.8	17.0	205.0	84
1,2,3,4,7,8-HxCDD-13C	100	87.4	21.0	193.0	87
1,2,3,6,7,8-HxCDD-13C	100	69.6	25.0	163.0	70
1,2,3,4,6,7,8-HpCDF-13C	100	67.3	21.0	158.0	67
1,2,3,4,7,8,9-HpCDF-13C	100	63.3	20.0	186.0	63
1,2,3,4,6,7,8-HpCDD-13C	100	65.9	26.0	166.0	66
OCDD-13C	200	141.4	26.0	397.0	71

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
X = Background subtracted value
P = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

Report No.....1024355

REPORT OF LABORATORY ANALYSIS

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RJ Lee*Group*, Inc.

530 McCormick Street, San Leandro, CA 94577
Tel: (510) 567-0480 | Fax: (510) 567-0488

Laboratory Report

quoia Analytical - Morgan Hi
counts Payable
5 Jarvis Drive
rgan Hill, CA 95037
tention: Theresa Allan
lephone: 408-776-9600

Report Date	12/5/2005
Sample Receipt Date.	12/2/2005
RJ Lee Group Job No	AOC512015
Project location	N/A
Authorization/P.O. No.	MOK1087
Client Job No./Name	MOK1087

termination of Asbestos Content of Serpentine Aggregate
thod: CARB 435

LG Sample Number	Client Sample Number	Description	Comments	Asbestos Detected(%)	Non-Asbestos Fibers(%)	Non-Fibrous Materials(%)	Matrix Material	Analyst - Analysis Date
22390.HPL	MOK1087-01	Black soil		ND	-	100	OP, M	NP-12/2/2005

Dec. 5. 2005 11:07AM No.0725 P. 2/4

SUBCONTRACT ORDER

Printed: 12/1/05 11:48:19AM

Sequoia Analytical - Morgan Hill

MOK1087

AOC.512015

SENDING LABORATORY:

Sequoia Analytical - Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037
Phone: 408-776-9600
Fax: 408-782-6308
Project Manager: Theresa Allen
Sending lab received date: 11/28/05 14:25

RECEIVING LABORATORY:

RJ Lee Group, Inc.
530 McCormick Street
San Leandro, CA 94577
Phone: 510-567-0480
Fax: 510-567-0488

☐ Drinking Water
☐ Waste Water
☐ Other

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: MOK1087-01 (Soil sampled on 11/28/05 11:15)				
Asbestos-Soil-CARB435 (SUB)	**12/12/05 12:00**	05/27/06 11:15		RJ Lee
Containers Supplied:				
8 oz. jar (B)				

Released By	Date	Time	Received By	Date	Time
E. Fallin	12/1/05	1800	Etaitag	12/2	8:45

Page 1 of 1

RJ Lee*Group*, Inc.

Laboratory Report (cont.)

Client Job No./Name: MOK1087

RJ Lee Group Job No: AOC512015

Authorized Signature _____ for
Nonette Patron, Microscopist

ASBESTOS

AM = Amosite
AC = Actinolite
AN = Anthophyllite
CH = Chrysotile
CR = Crocidolite
TR = Tremolite

NON-ASBESTOS

CE = Cellulose
MW = Mineral Wool
FG = Fibrous Glass
SF = Synthetic Fibers
H = Hair
W = Wollastonite
OF = Other Fibers

NON-FIBROUS MATERIALS

AM = Amphibole
B = Binder
CA = Carbonates
CL = Clay
F = Feldspar
G = Gypsum
HY = Hydromagnesite
M = Miscellaneous
MI = Mica
OP = Opaque
OR = Organic
P = Perlite
Q = Quartz
T = Tar
V = Vermiculite

DISCLAIMER NOTES

- "ND" indicates no asbestos was detected in the sample portion analyzed; the method detection limit is 0.25%.
- "Trace" or "<0.25" indicates asbestos was identified in the sample portion analyzed, but at a concentration of less than the detection limit of 0.25%. PLM coefficients of variance range from approximately 1.8 at the detection limit of 0.25% to 0.1 at high fiber concentrations.
- Samples are archived for three months following analysis and are then properly discarded.
- These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which these results are used or interpreted.
- This test report relates to the items tested.
- This report is not valid unless it bears the name of a NVLAP-approved signatory.
- Any reproduction of this document must be in full in order for the report to be valid.
- This report may not be used to claim product endorsement by NVLAP, any agency of the U.S. Government or any other laboratory accrediting agency.
- Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar nonfriable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as "non-asbestos-containing."
- Sample(s) for this project were analyzed at our: San Leandro, CA (NVLAP #101208-2) facility.
- If RJ Lee Group, Inc. did not collect the samples analyzed, the verifiability of the laboratory's results are limited to the reported values.

CHAIN OF CUSTODY REPORT

Sequoia Analytical

Attn: James Hartley

Client: Water Pollution control Plant	Report To: Shahed Abbasi (MOK 1087)	Turnaround Time:
Address: 3000 Davis street, San Leandro, CA 94577	Billing To: WPCP san Leandro	24 Hr ☐ 48 Hr ☐ 72 Hr ☐ / 5 Day ☐ 10 Day ☐ 12 Day X
Phone: 1-510-577-6034	POW/Billing Reference:	
Project Name/Site:	Analysis Requested	
Sampler:		

Sample I.D. No./ Station	Sample Description	Total Number Of Containers	Sampling Collection Time & Date	EPA 608	PHENOLS	TOTAL CYANIDE	TRACE METALS	TKN & NH3-N NO3-N Organic Nitrogen	Moisture	EPA 8240	EPA 8270	Remarks
	San Leandro W.P.C.P.	4	11/28/2005									Trace Metals :
	Dried Sludge Composite											As, Cd, Cr, Cu,
	from seven discreet samples		11:15									Pb, Hg, Ni, Se
	(Sludge Bed #13)											Ag, Zn, Mo
	Please report trace metals analysis											
	on dry weight basis as required											Please test for
	by 503 reg.											NO3-N, TKN, N-NH3
	Also See Remarks column.											N-NH3 and
	Also need to comply with Redwood Landfill											Organic NH3
	requirment for title 22											Fluoride
	See Footnotes Below for Types of Containers				2*	2*	2*	2*	2*	2*	2*	

EPA 1613 A(7-dioxin & 10 Dibenzofuran)
EPA 8080
EPA 8150
EPA 8040
EPA 8010
Organic Lead
Asbestos
CAM 17 Metals

Relinquished By: Shahed Abbasi	Date: 11/28/2005	Time: 11:40	Received By:	Travel Time:
Relinquished By:	Date: 11/28/05	Time: 1:25	Received By: Jannybran	On Site Time:
Relinquished By:	Date:	Time:	Received By:	Were Samples: Preserved? Yes ☐ No ☐
Relinquished By:	Date:	Time:	Received in Lab By:	In Good Condition? Yes ☐ No ☐

Description of Types of Containers: 1* = VOA Vial
2* = 1 Quart Mason Jar

GL\shahed\sludge\sludge2004\bed149202004

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Water Pollution Plant
REC. BY (PRINT): JT
WORKORDER: M6K1087

DATE REC'D AT LAB: 11/28/05
TIME REC'D AT LAB: 1425
DATE LOGGED IN: 11.30.05

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent; Intact / Broken*	61	1-D	Dry Sludge Pile Bed #13	1L Amber-4	–	–	S	11/28/05	
2. Chain-of-Custody Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Read Temp: 10.7°C; Corrected Temp: 10.7°C; Is corrected temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON ICE or Problem COC									

11/28/05 JT

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Revision 7
ces Rev 5 (07/13/04)
07/19/05