TETRA TECH
1230 Columbia Street, Suite 500
San Diego, CA 92101 (619) 236-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 15374

"IMPORT FILL"

PROJECT NAME: HUNTERS POINT
PROJECT LOCATION: SAN FRANCISCO, CA
SAMPLER NAME: ANDREW GORMAN
PROJECT CONTACT: LISA BIENKOWSKI
PURCHASE ORDER NO.: 56184
PROJECT NO.: 1990.0840
AIRBILL NUMBER: N/A
PROJECT CONTACT PHONE NUMBER: 949.756-7797
LABORATORY NAME: C&T
LABORATORY ID (FOR LABORATORY): 185237

ANALYSES REQUIRED

SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL 3	LEVEL 4	TYPE	TAT	EPA 5035/8260B Gasoline/VOC	EPA 82 70C-SVOCS	EPA 8081A Pesticides	EPA 8082 PCBs	EPA 6010B/7000 Title 22 Metals	TPH-EXTRACTABLE	ASBESTOS-CAM 435	COMMENTS	LOCATION	DEPTH START	DEPTH END	QC
84-BACKFILL-009	3.06.06	1200	5	X		S	10 DAY	X	X	X	X	X	X	X		B 819 SOIL PILE	3.0'	3.5'	NOC
84-BACKFILL-010	3.06.06	1210	5	X		S	10 DAY	X	X	X	X	X	X	X		B819 SOIL PILE	2.0	2.5'	NOC
84-BACKFILL-011	3.06.06	1225	5	X		S	10 DAY	X	X	X	X	X	X	X		B819 SOIL PILE	0'	.5'	NOC
84-BACKFILL-012	3.06.06	1245	5	X		S	10 DAY	X	X	X	X	X	X	X		B 819 SOIL PILE	2'	2.5'	NOC

Project Information Section
Do not submit to Laboratory

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
	3.9.06	
COMPANY: TTEC	TIME: 16:20	COMPANY: C&T
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
COMPANY	TIME	COMPANY
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
COMPANY	TIME	COMPANY

LABORATORY INSTRUCTIONS/COMMENTS: VERY GRAVELLY MATERIAL

COMPOSITE DESCRIPTION

SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)
TEMPERATURE: _____ SAMPLE CONDITION: ☐ INTACT ☐ BROKEN
COOLER SEAL: ☐ INTACT ☐ BROKEN

SAMPLING COMMENT: BLDG. 819 SOIL PILE

White - Laboratory; Pink - Laboratory; Canary - Project File; Manila - Data Management

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	SHAKER TABLE
Project#:	CTO84	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/06/06
Units:	mg/Kg	Received:	03/06/06
Diln Fac:	1.000		

Field ID:	84-BACKFILL-009	Batch#:	111050
Type:	SAMPLE	Prepared:	03/07/06
Lab ID:	185327-001	Analyzed:	03/10/06
Basis:	dry	Cleanup Method:	EPA 3630C
Moisture:	9%		

Analyte	Result	RL	MDL
Diesel C10-C24	40 H	1.1	0.49
Motor Oil C24-C36	190 H M	5.5	1.4

Surrogate	%REC	Limits
Hexacosane	75	65-135

Field ID:	84-BACKFILL-010	Batch#:	111050
Type:	SAMPLE	Prepared:	03/07/06
Lab ID:	185327-002	Analyzed:	03/14/06
Basis:	dry	Cleanup Method:	EPA 3630C
Moisture:	9%		

Analyte	Result	RL	MDL
Diesel C10-C24	20 H	1.1	0.40
Motor Oil C24-C36	110 H M	5.5	1.7

Surrogate	%REC	Limits
Hexacosane	69	65-135

Field ID:	84-BACKFILL-011	Batch#:	111050
Type:	SAMPLE	Prepared:	03/07/06
Lab ID:	185327-003	Analyzed:	03/14/06
Basis:	dry	Cleanup Method:	EPA 3630C
Moisture:	8%		

Analyte	Result	RL	MDL
Diesel C10-C24	9.1 H	1.1	0.40
Motor Oil C24-C36	53 H M	5.5	1.7

Surrogate	%REC	Limits
Hexacosane	72	65-135

H= Heavier hydrocarbons contributed to the quantitation
J= Estimated value
M= Pattern resembles motor oil
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

22.3

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	185327 -	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	SHAKER TABLE
Project#:	CTO84	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	03/06/06
Units:	mg/Kg	Received:	03/06/06
Diln Fac:	1.000		

Field ID:	84-BACKFILL-012	Batch#:	111091
Type:	SAMPLE	Prepared:	03/08/06
Lab ID:	185327-004	Analyzed:	03/09/06
Basis:	dry	Cleanup Method:	EPA 3630C
Moisture:	10%		

Analyte	Result	RL	MDL
Diesel C10-C24	11 H	1.1	0.40
Motor Oil C24-C36	37 H M	5.5	1.2

Surrogate	%REC	Limits
Hexacosane	76	65-135

Type:	BLANK	Prepared:	03/07/06
Lab ID:	QC330412	Analyzed:	03/09/06
Basis:	as received	Cleanup Method:	EPA 3630C
Batch#:	111050		

Analyte	Result	RL	MDL
Diesel C10-C24	0.57 J	1.0	0.37
Motor Oil C24-C36	ND	5.0	1.1

Surrogate	%REC	Limits
Hexacosane	88	65-135

Type:	BLANK	Prepared:	03/08/06
Lab ID:	QC330586	Analyzed:	03/09/06
Basis:	as received	Cleanup Method:	EPA 3630C
Batch#:	111091		

Analyte	Result	RL	MDL
Diesel C10-C24	0.77 J	1.0	0.45
Motor Oil C24-C36	ND	5.0	1.3

Surrogate	%REC	Limits
Hexacosane	66	65-135

H= Heavier hydrocarbons contributed to the quantitation
J= Estimated value
M= Pattern resembles motor oil
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

22.3

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	SHAKER TABLE
Project#:	CTO84	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC330413	Batch#:	111050
Matrix:	Soil	Prepared:	03/07/06
Units:	mg/Kg	Analyzed:	03/09/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.32	34.34	68	65-135

Surrogate	%REC	Limits
Hexacosane	65	65-135

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	SHAKER TABLE
Project#:	CTO84	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC330587	Batch#:	111091
Matrix:	Soil	Prepared:	03/08/06
Units:	mg/Kg	Analyzed:	03/13/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.88	36.54	73	65-135

Surrogate	%REC	Limits
Hexacosane	78	65-135

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	SHAKER TABLE
Project#:	CTO84	Analysis:	EPA 8015B
Field ID:	84-BACKFILL-012	Batch#:	111091
MSS Lab ID:	185327-004	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	mg/Kg	Prepared:	03/08/06
Basis:	dry	Analyzed:	03/10/06
Diln Fac:	1.000		

Type: MS
Lab ID: QC330588
Moisture: 10%
Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	11.37	55.40	64.07	95	65-135

Surrogate	%REC	Limits
Hexacosane	84	65-135

Type: MSD
Lab ID: QC330589
Moisture: 10%
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	55.99	72.88	110	65-135	12	30

Surrogate	%REC	Limits
Hexacosane	83	65-135

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 5035
Project#:	CT084	Analysis:	EPA 8260B
Field ID:	84-BACKFILL-009	Diln Fac:	0.8772
Lab ID:	185327-001	Batch#:	111057
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Basis:	dry	Analyzed:	03/07/06

Moisture: 9%

Analyte	Result	RL	MDL
Chloromethane	ND	9.6	0.79
Vinyl Chloride	ND	9.6	0.76
Bromomethane	ND	9.6	1.4
Chloroethane	ND	9.6	0.58
Acetone	ND	19	1.6
1,1-Dichloroethene	ND	4.8	0.67
Methylene Chloride	ND	4.8	0.37
MTBE	ND	4.8	0.41
trans-1,2-Dichloroethene	ND	4.8	0.45
Vinyl Acetate	ND	48	0.64
1,1-Dichloroethane	ND	4.8	0.46
2-Butanone	ND	9.6	1.9
cis-1,2-Dichloroethene	ND	4.8	0.76
Chloroform	ND	4.8	0.69
1,1,1-Trichloroethane	ND	4.8	0.96
Carbon Tetrachloride	ND	4.8	0.57
1,2-Dichloroethane	ND	4.8	0.49
Benzene	ND	4.8	0.56
Trichloroethene	ND	4.8	0.52
1,2-Dichloropropane	ND	4.8	0.95
Bromodichloromethane	ND	4.8	0.69
4-Methyl-2-Pentanone	ND	9.6	1.6
cis-1,3-Dichloropropene	ND	4.8	0.50
Toluene	ND	4.8	0.45
trans-1,3-Dichloropropene	ND	4.8	0.77
1,1,2-Trichloroethane	ND	4.8	0.75
2-Hexanone	ND	9.6	0.79
Tetrachloroethene	ND	4.8	0.59
Dibromochloromethane	ND	4.8	0.48
Chlorobenzene	ND	4.8	0.56
Ethylbenzene	ND	4.8	0.40
Styrene	ND	4.8	0.33
Bromoform	ND	4.8	0.79
1,1,2,2-Tetrachloroethane	ND	4.8	0.92
Xylene (total)	ND	4.8	

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	122	65-135
Toluene-d8	104	65-135
Bromofluorobenzene	116	65-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 5035
Project#:	CT084	Analysis:	EPA 8260B
Field ID:	84-BACKFILL-010	Diln Fac:	0.8065
Lab ID:	185327-002	Batch#:	111057
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Basis:	dry	Analyzed:	03/07/06

Moisture: 9%

Analyte	Result	RL	MDL
Chloromethane	ND	8.9	0.73
Vinyl Chloride	ND	8.9	0.70
Bromomethane	ND	8.9	1.3
Chloroethane	ND	8.9	0.54
Acetone	ND	18	1.5
1,1-Dichloroethene	ND	4.4	0.62
Methylene Chloride	ND	4.4	0.34
MTBE	ND	4.4	0.38
trans-1,2-Dichloroethene	ND	4.4	0.41
Vinyl Acetate	ND	44	0.59
1,1-Dichloroethane	ND	4.4	0.42
2-Butanone	ND	8.9	1.7
cis-1,2-Dichloroethene	ND	4.4	0.70
Chloroform	ND	4.4	0.64
1,1,1-Trichloroethane	ND	4.4	0.88
Carbon Tetrachloride	ND	4.4	0.52
1,2-Dichloroethane	ND	4.4	0.45
Benzene	ND	4.4	0.51
Trichloroethene	ND	4.4	0.48
1,2-Dichloropropane	ND	4.4	0.88
Bromodichloromethane	ND	4.4	0.63
4-Methyl-2-Pentanone	ND	8.9	1.4
cis-1,3-Dichloropropene	ND	4.4	0.46
Toluene	ND	4.4	0.42
trans-1,3-Dichloropropene	ND	4.4	0.71
1,1,2-Trichloroethane	ND	4.4	0.69
2-Hexanone	ND	8.9	0.72
Tetrachloroethene	ND	4.4	0.54
Dibromochloromethane	ND	4.4	0.44
Chlorobenzene	ND	4.4	0.51
Ethylbenzene	ND	4.4	0.37
Styrene	ND	4.4	0.30
Bromoform	ND	4.4	0.72
1,1,2,2-Tetrachloroethane	ND	4.4	0.85
Xylene (total)	ND	4.4	

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	112	65-135
Toluene-d8	101	65-135
Bromofluorobenzene	111	65-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 5035
Project#:	CT084	Analysis:	EPA 8260B
Field ID:	84-BACKFILL-011	Diln Fac:	0.8929
Lab ID:	185327-003	Batch#:	111057
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Basis:	dry	Analyzed:	03/07/06

Moisture: 8%

Analyte	Result	RL	MDL
Chloromethane	ND	9.7	0.80
Vinyl Chloride	ND	9.7	0.76
Bromomethane	ND	9.7	1.4
Chloroethane	ND	9.7	0.59
Acetone	ND	19	1.6
1,1-Dichloroethene	ND	4.9	0.68
Methylene Chloride	ND	4.9	0.37
MTBE	ND	4.9	0.42
trans-1,2-Dichloroethene	ND	4.9	0.45
Vinyl Acetate	ND	49	0.64
1,1-Dichloroethane	ND	4.9	0.46
2-Butanone	ND	9.7	1.9
cis-1,2-Dichloroethene	ND	4.9	0.77
Chloroform	ND	4.9	0.70
1,1,1-Trichloroethane	ND	4.9	0.97
Carbon Tetrachloride	ND	4.9	0.57
1,2-Dichloroethane	ND	4.9	0.49
Benzene	ND	4.9	0.56
Trichloroethene	ND	4.9	0.52
1,2-Dichloropropane	ND	4.9	0.96
Bromodichloromethane	ND	4.9	0.69
4-Methyl-2-Pentanone	ND	9.7	1.6
cis-1,3-Dichloropropene	ND	4.9	0.51
Toluene	ND	4.9	0.46
trans-1,3-Dichloropropene	ND	4.9	0.77
1,1,2-Trichloroethane	ND	4.9	0.76
2-Hexanone	ND	9.7	0.79
Tetrachloroethene	ND	4.9	0.59
Dibromochloromethane	ND	4.9	0.49
Chlorobenzene	ND	4.9	0.56
Ethylbenzene	ND	4.9	0.40
Styrene	ND	4.9	0.33
Bromoform	ND	4.9	0.79
1,1,2,2-Tetrachloroethane	ND	4.9	0.93
Xylene (total)	ND	4.9	

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	114	65-135
Toluene-d8	103	65-135
Bromofluorobenzene	109	65-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 5035
Project#:	CTO84	Analysis:	EPA 8260B
Field ID:	84-BACKFILL-012	Diln Fac:	0.9434
Lab ID:	185327-004	Batch#:	111057
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Basis:	dry	Analyzed:	03/07/06

Moisture: 10%

Analyte	Result	RL	MDL
Chloromethane	ND	10	0.86
Vinyl Chloride	ND	10	0.82
Bromomethane	ND	10	1.5
Chloroethane	ND	10	0.63
Acetone	ND	21	1.8
1,1-Dichloroethene	ND	5.2	0.73
Methylene Chloride	ND	5.2	0.40
MTBE	ND	5.2	0.45
trans-1,2-Dichloroethene	ND	5.2	0.49
Vinyl Acetate	ND	52	0.70
1,1-Dichloroethane	ND	5.2	0.50
2-Butanone	ND	10	2.1
cis-1,2-Dichloroethene	ND	5.2	0.83
Chloroform	ND	5.2	0.75
1,1,1-Trichloroethane	ND	5.2	1.0
Carbon Tetrachloride	ND	5.2	0.62
1,2-Dichloroethane	ND	5.2	0.53
Benzene	ND	5.2	0.60
Trichloroethene	ND	5.2	0.57
1,2-Dichloropropane	ND	5.2	1.0
Bromodichloromethane	ND	5.2	0.75
4-Methyl-2-Pentanone	ND	10	1.7
cis-1,3-Dichloropropene	ND	5.2	0.55
Toluene	ND	5.2	0.49
trans-1,3-Dichloropropene	ND	5.2	0.84
1,1,2-Trichloroethane	ND	5.2	0.82
2-Hexanone	ND	10	0.85
Tetrachloroethene	ND	5.2	0.64
Dibromochloromethane	ND	5.2	0.53
Chlorobenzene	ND	5.2	0.61
Ethylbenzene	ND	5.2	0.44
Styrene	ND	5.2	0.36
Bromoform	ND	5.2	0.86
1,1,2,2-Tetrachloroethane	ND	5.2	1.0
Xylene (total)	ND	5.2	

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	113	65-135
Toluene-d8	103	65-135
Bromofluorobenzene	113	65-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 5035
Project#:	CTO84	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC330444	Diln Fac:	1.000
Matrix:	Soil	Batch#:	111057
Units:	ug/Kg	Analyzed:	03/07/06

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	29.43	118	65-135
Benzene	25.00	27.99	112	65-135
Trichloroethene	25.00	27.93	112	65-135
Toluene	25.00	26.10	104	65-135
Chlorobenzene	25.00	27.08	108	65-135

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	104	65-135
Toluene-d8	99	65-135
Bromofluorobenzene	101	65-135

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 5035
Project#:	CT084	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC330445	Diln Fac:	1.000
Matrix:	Soil	Batch#:	111057
Units:	ug/Kg	Analyzed:	03/07/06

Analyte	Result	RL	MDL
Chloromethane	ND	10	0.82
Vinyl Chloride	ND	10	0.79
Bromomethane	ND	10	1.4
Chloroethane	ND	10	0.60
Acetone	ND	20	1.7
1,1-Dichloroethene	ND	5.0	0.70
Methylene Chloride	ND	5.0	0.38
MTBE	ND	5.0	0.43
trans-1,2-Dichloroethene	ND	5.0	0.47
Vinyl Acetate	ND	50	0.66
1,1-Dichloroethane	ND	5.0	0.48
2-Butanone	ND	10	2.0
cis-1,2-Dichloroethene	ND	5.0	0.79
Chloroform	ND	5.0	0.72
1,1,1-Trichloroethane	ND	5.0	1.0
Carbon Tetrachloride	ND	5.0	0.59
1,2-Dichloroethane	ND	5.0	0.51
Benzene	ND	5.0	0.58
Trichloroethene	ND	5.0	0.54
1,2-Dichloropropane	ND	5.0	0.99
Bromodichloromethane	ND	5.0	0.71
4-Methyl-2-Pentanone	ND	10	1.6
cis-1,3-Dichloropropene	ND	5.0	0.52
Toluene	ND	5.0	0.47
trans-1,3-Dichloropropene	ND	5.0	0.80
1,1,2-Trichloroethane	ND	5.0	0.78
2-Hexanone	ND	10	0.81
Tetrachloroethene	ND	5.0	0.61
Dibromochloromethane	ND	5.0	0.50
Chlorobenzene	ND	5.0	0.58
Ethylbenzene	ND	5.0	0.42
Styrene	ND	5.0	0.34
Bromoform	ND	5.0	0.82
1,1,2,2-Tetrachloroethane	ND	5.0	0.95
Xylene (total)	ND	5.0	

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	109	65-135
Toluene-d8	100	65-135
Bromofluorobenzene	108	65-135

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Field ID:	84-BACKFILL-009	Diln Fac:	1.000
Lab ID:	185327-001	Batch#:	111242
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Basis:	dry	Prepared:	03/13/06

Moisture: 9%

Analyte	Result	RL	MDL	Analyzed
Phenol	ND	370	97	03/17/06
bis(2-Chloroethyl)ether	ND	370	46	03/17/06
2-Chlorophenol	ND	370	95	03/17/06
1,3-Dichlorobenzene	ND	370	57	03/17/06
1,4-Dichlorobenzene	ND	370	67	03/17/06
1,2-Dichlorobenzene	ND	370	64	03/17/06
2-Methylphenol	ND	370	110	03/17/06
bis(2-Chloroisopropyl) ether	ND	370	46	03/17/06
4-Methylphenol	ND	370	83	03/17/06
N-Nitroso-di-n-propylamine	ND	370	43	03/17/06
Hexachloroethane	ND	370	61	03/17/06
Nitrobenzene	ND	370	55	03/17/06
2-Nitrophenol	ND	740	160	03/17/06
2,4-Dimethylphenol	ND	370	84	03/17/06
bis(2-Chloroethoxy)methane	ND	370	32	03/17/06
2,4-Dichlorophenol	ND	370	59	03/17/06
1,2,4-Trichlorobenzene	ND	370	53	03/17/06
Naphthalene	ND	74	46	03/17/06
4-Chloroaniline	ND	370	63	03/17/06
Hexachlorobutadiene	ND	370	45	03/17/06
4-Chloro-3-methylphenol	ND	370	48	03/17/06
Hexachlorocyclopentadiene	ND	740	82	03/17/06
2,4,6-Trichlorophenol	ND	370	180	03/17/06
2,4,5-Trichlorophenol	ND	370	99	03/17/06
2-Chloronaphthalene	ND	370	41	03/17/06
2-Nitroaniline	ND	740	51	03/17/06
Dimethylphthalate	ND	370	38	03/17/06
Acenaphthylene	ND	74	37	03/17/06
2,6-Dinitrotoluene	ND	370	37	03/17/06
3-Nitroaniline	ND	740	63	03/17/06
Acenaphthene	ND	74	40	03/17/06
2,4-Dinitrophenol	ND	740	120	03/17/06
4-Nitrophenol	ND	740	31	03/17/06
Dibenzofuran	ND	370	50	03/17/06

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

39.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Field ID:	84-BACKFILL-009	Diln Fac:	1.000
Lab ID:	185327-001	Batch#:	111242
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Basis:	dry	Prepared:	03/13/06

Analyte	Result	RL	MDL	Analyzed
2,4-Dinitrotoluene	ND	370	24	03/17/06
Diethylphthalate	ND	370	34	03/17/06
Fluorene	ND	74	36	03/17/06
4-Chlorophenyl-phenylether	ND	370	33	03/17/06
4-Nitroaniline	ND	740	36	03/17/06
4,6-Dinitro-2-methylphenol	ND	740	28	03/17/06
N-Nitrosodiphenylamine	ND	370	33	03/17/06
4-Bromophenyl-phenylether	ND	370	32	03/17/06
Hexachlorobenzene	ND	370	24	03/17/06
Pentachlorophenol	ND	740	46	03/17/06
Phenanthrene	ND	74	34	03/17/06
Anthracene	ND	74	38	03/17/06
Di-n-butylphthalate	ND	370	37	03/17/06
Fluoranthene	ND	74	39	03/17/06
Pyrene	ND	74	14	03/16/06
Butylbenzylphthalate	ND	370	12	03/16/06
3,3'-Dichlorobenzidine	ND	740	38	03/16/06
Benzo(a)anthracene	ND	74	17	03/16/06
Chrysene	ND	74	19	03/16/06
bis(2-Ethylhexyl)phthalate	ND	370	12	03/16/06
Di-n-octylphthalate	ND	370	12	03/16/06
Benzo(b)fluoranthene	ND	74	12	03/16/06
Benzo(k)fluoranthene	ND	74	19	03/16/06
Benzo(a)pyrene	ND	74	14	03/16/06
Indeno(1,2,3-cd)pyrene	ND	74	15	03/16/06
Dibenz(a,h)anthracene	ND	74	15	03/16/06
Benzo(g,h,i)perylene	ND	74	15	03/16/06

Surrogate	%REC	Limits	Analyzed
2-Fluorophenol	86	25-135	03/17/06
Phenol-d5	85	25-135	03/17/06
2,4,6-Tribromophenol	80	25-144	03/17/06
Nitrobenzene-d5	72	25-135	03/17/06
2-Fluorobiphenyl	80	34-135	03/17/06
Terphenyl-d14	51	32-136	03/16/06

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

39.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CT084	Analysis:	EPA 8270C
Field ID:	84-BACKFILL-010	Batch#:	111475
Lab ID:	185327-002	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/20/06
Basis:	dry	Analyzed:	03/20/06
Diln Fac:	1.000		

Moisture: 9%

Analyte	Result	RL	MDL
Phenol	ND	370	96
bis(2-Chloroethyl)ether	ND	370	45
2-Chlorophenol	ND	370	94
1,3-Dichlorobenzene	ND	370	56
1,4-Dichlorobenzene	ND	370	66
1,2-Dichlorobenzene	ND	370	64
2-Methylphenol	ND	370	110
bis(2-Chloroisopropyl) ether	ND	370	45
4-Methylphenol	ND	370	83
N-Nitroso-di-n-propylamine	ND	370	42
Hexachloroethane	ND	370	60
Nitrobenzene	ND	370	55
2-Nitrophenol	ND	730	160
2,4-Dimethylphenol	ND	370	83
bis(2-Chloroethoxy)methane	ND	370	32
2,4-Dichlorophenol	ND	370	59
1,2,4-Trichlorobenzene	ND	370	52
Naphthalene	ND	73	45
4-Chloroaniline	ND	370	62
Hexachlorobutadiene	ND	370	44
4-Chloro-3-methylphenol	ND	370	47
Hexachlorocyclopentadiene	ND	730	81
2,4,6-Trichlorophenol	ND	370	170
2,4,5-Trichlorophenol	ND	370	98
2-Chloronaphthalene	ND	370	40
2-Nitroaniline	ND	730	50
Dimethylphthalate	ND	370	37
Acenaphthylene	ND	73	37
2,6-Dinitrotoluene	ND	370	37
3-Nitroaniline	ND	730	62
Acenaphthene	ND	73	40
2,4-Dinitrophenol	ND	730	120
4-Nitrophenol	ND	730	30
Dibenzofuran	ND	370	49
2,4-Dinitrotoluene	ND	370	24
Diethylphthalate	ND	370	33
Fluorene	ND	73	36
4-Chlorophenyl-phenylether	ND	370	33
4-Nitroaniline	ND	730	35
4,6-Dinitro-2-methylphenol	ND	730	28
N-Nitrosodiphenylamine	ND	370	33
4-Bromophenyl-phenylether	ND	370	31
Hexachlorobenzene	ND	370	24
Pentachlorophenol	ND	730	45
Phenanthrene	ND	73	33
Anthracene	ND	73	37
Di-n-butylphthalate	ND	370	37
Fluoranthene	ND	73	38
Pyrene	ND	73	27
Butylbenzylphthalate	ND	370	40

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

40.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	185327 -	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Field ID:	84-BACKFILL-010	Batch#:	111475
Lab ID:	185327-002	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/20/06
Basis:	dry	Analyzed:	03/20/06
Diln Fac:	1.000		

Analyte	Result	RL	MDL
3,3'-Dichlorobenzidine	ND	730	25
Benzo(a)anthracene	ND	73	24
Chrysene	ND	73	27
bis(2-Ethylhexyl)phthalate	ND	370	54
Di-n-octylphthalate	ND	370	34
Benzo(b)fluoranthene	ND	73	37
Benzo(k)fluoranthene	ND	73	29
Benzo(a)pyrene	ND	73	32
Indeno(1,2,3-cd)pyrene	ND	73	35
Dibenz(a,h)anthracene	ND	73	28
Benzo(g,h,i)perylene	ND	73	29

Surrogate	%REC	Limits
2-Fluorophenol	81	25-135
Phenol-d5	81	25-135
2,4,6-Tribromophenol	90	25-144
Nitrobenzene-d5	70	25-135
2-Fluorobiphenyl	87	34-135
Terphenyl-d14	94	32-136

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Field ID:	84-BACKFILL-011	Batch#:	111242
Lab ID:	185327-003	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/13/06
Basis:	dry	Analyzed:	03/15/06
Diln Fac:	1.000		

Moisture: 8%

Analyte	Result	RL	MDL
Phenol	ND	360	48
bis(2-Chloroethyl)ether	ND	360	11
2-Chlorophenol	ND	360	75
1,3-Dichlorobenzene	ND	360	18
1,4-Dichlorobenzene	ND	360	21
1,2-Dichlorobenzene	ND	360	18
2-Methylphenol	ND	360	65
bis(2-Chloroisopropyl) ether	ND	360	12
4-Methylphenol	ND	360	73
N-Nitroso-di-n-propylamine	ND	360	17
Hexachloroethane	ND	360	17
Nitrobenzene	ND	360	27
2-Nitrophenol	ND	730	76
2,4-Dimethylphenol	ND	360	130
bis(2-Chloroethoxy)methane	ND	360	14
2,4-Dichlorophenol	ND	360	86
1,2,4-Trichlorobenzene	ND	360	22
Naphthalene	ND	73	20
4-Chloroaniline	ND	360	41
Hexachlorobutadiene	ND	360	26
4-Chloro-3-methylphenol	ND	360	85
Hexachlorocyclopentadiene	ND	730	6.6
2,4,6-Trichlorophenol	ND	360	59
2,4,5-Trichlorophenol	ND	360	88
2-Chloronaphthalene	ND	360	16
2-Nitroaniline	ND	730	30
Dimethylphthalate	ND	360	16
Acenaphthylene	ND	73	25
2,6-Dinitrotoluene	ND	360	16
3-Nitroaniline	ND	730	39
Acenaphthene	ND	73	18
2,4-Dinitrophenol	ND	730	50
4-Nitrophenol	ND	730	26
Dibenzofuran	ND	360	52
2,4-Dinitrotoluene	ND	360	15
Diethylphthalate	ND	360	15
Fluorene	ND	73	18
4-Chlorophenyl-phenylether	ND	360	19
4-Nitroaniline	ND	730	30
4,6-Dinitro-2-methylphenol	ND	730	85
N-Nitrosodiphenylamine	ND	360	34
4-Bromophenyl-phenylether	ND	360	20
Hexachlorobenzene	ND	360	22
Pentachlorophenol	ND	730	51
Phenanthrene	21 J	73	18
Anthracene	ND	73	18
Di-n-butylphthalate	ND	360	14
Fluoranthene	31 J	73	16
Pyrene	31 J	73	14

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

41.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	185327 -	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Field ID:	84-BACKFILL-011	Batch#:	111242
Lab ID:	185327-003	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/13/06
Basis:	dry	Analyzed:	03/15/06
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Butylbenzylphthalate	ND	360	12
3,3'-Dichlorobenzidine	ND	730	37
Benzo(a)anthracene	17 J	73	16
Chrysene	19 J	73	19
bis(2-Ethylhexyl)phthalate	110 J	360	11
Di-n-octylphthalate	ND	360	12
Benzo(b)fluoranthene	29 J	73	12
Benzo(k)fluoranthene	ND	73	19
Benzo(a)pyrene	17 J	73	13
Indeno(1,2,3-cd)pyrene	ND	73	14
Dibenz(a,h)anthracene	ND	73	15
Benzo(g,h,i)perylene	ND	73	15

Surrogate	%REC	Limits
2-Fluorophenol	57	25-135
Phenol-d5	53	25-135
2,4,6-Tribromophenol	68	25-144
Nitrobenzene-d5	70	25-135
2-Fluorobiphenyl	68	34-135
Terphenyl-d14	74	32-136

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

41.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CT084	Analysis:	EPA 8270C
Field ID:	84-BACKFILL-012	Batch#:	111242
Lab ID:	185327-004	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/13/06
Basis:	dry	Analyzed:	03/14/06
Diln Fac:	1.000		

Moisture: 10%

Analyte	Result	RL	MDL
Phenol	ND	370	96
bis(2-Chloroethyl)ether	ND	370	45
2-Chlorophenol	ND	370	94
1,3-Dichlorobenzene	ND	370	56
1,4-Dichlorobenzene	ND	370	66
1,2-Dichlorobenzene	ND	370	64
2-Methylphenol	ND	370	110
bis(2-Chloroisopropyl) ether	ND	370	45
4-Methylphenol	ND	370	83
N-Nitroso-di-n-propylamine	ND	370	42
Hexachloroethane	ND	370	60
Nitrobenzene	ND	370	55
2-Nitrophenol	ND	730	160
2,4-Dimethylphenol	ND	370	83
bis(2-Chloroethoxy)methane	ND	370	32
2,4-Dichlorophenol	ND	370	59
1,2,4-Trichlorobenzene	ND	370	52
Naphthalene	ND	73	45
4-Chloroaniline	ND	370	62
Hexachlorobutadiene	ND	370	44
4-Chloro-3-methylphenol	ND	370	47
Hexachlorocyclopentadiene	ND	730	81
2,4,6-Trichlorophenol	ND	370	170
2,4,5-Trichlorophenol	ND	370	98
2-Chloronaphthalene	ND	370	40
2-Nitroaniline	ND	730	50
Dimethylphthalate	ND	370	37
Acenaphthylene	ND	73	37
2,6-Dinitrotoluene	ND	370	37
3-Nitroaniline	ND	730	62
Acenaphthene	ND	73	40
2,4-Dinitrophenol	ND	730	120
4-Nitrophenol	ND	730	30
Dibenzofuran	ND	370	49
2,4-Dinitrotoluene	ND	370	24
Diethylphthalate	ND	370	33
Fluorene	ND	73	36
4-Chlorophenyl-phenylether	ND	370	33
4-Nitroaniline	ND	730	35
4,6-Dinitro-2-methylphenol	ND	730	28
N-Nitrosodiphenylamine	ND	370	33
4-Bromophenyl-phenylether	ND	370	31
Hexachlorobenzene	ND	370	24
Pentachlorophenol	ND	730	45
Phenanthrene	ND	73	33
Anthracene	ND	73	37
Di-n-butylphthalate	ND	370	37
Fluoranthene	ND	73	38
Pyrene	ND	73	27

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

42.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Semivolatile Organics by GC/MS

Lab #:	185327 -	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Field ID:	84-BACKFILL-012	Batch#:	111242
Lab ID:	185327-004	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/13/06
Basis:	dry	Analyzed:	03/14/06
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Butylbenzylphthalate	ND	370	40
3,3'-Dichlorobenzidine	ND	730	25
Benzo(a)anthracene	ND	73	24
Chrysene	ND	73	27
bis(2-Ethylhexyl)phthalate	99 J	370	54
Di-n-octylphthalate	ND	370	34
Benzo(b)fluoranthene	ND	73	37
Benzo(k)fluoranthene	ND	73	29
Benzo(a)pyrene	ND	73	32
Indeno(1,2,3-cd)pyrene	ND	73	35
Dibenz(a,h)anthracene	ND	73	28
Benzo(g,h,i)perylene	ND	73	29

Surrogate	%REC	Limits
2-Fluorophenol	74	25-135
Phenol-d5	74	25-135
2,4,6-Tribromophenol	56	25-144
Nitrobenzene-d5	67	25-135
2-Fluorobiphenyl	62	34-135
Terphenyl-d14	70	32-136

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

42.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC331219	Batch#:	111242
Matrix:	Soil	Prepared:	03/13/06
Units:	ug/Kg	Analyzed:	03/14/06
Basis:	as received		

Analyte	Result	RL	MDL
Phenol	ND	340	88
bis(2-Chloroethyl)ether	ND	340	41
2-Chlorophenol	ND	340	86
1,3-Dichlorobenzene	ND	340	52
1,4-Dichlorobenzene	ND	340	61
1,2-Dichlorobenzene	ND	340	58
2-Methylphenol	ND	340	100
bis(2-Chloroisopropyl) ether	ND	340	42
4-Methylphenol	ND	340	76
N-Nitroso-di-n-propylamine	ND	340	39
Hexachloroethane	ND	340	55
Nitrobenzene	ND	340	50
2-Nitrophenol	ND	680	150
2,4-Dimethylphenol	ND	340	76
bis(2-Chloroethoxy)methane	ND	340	29
2,4-Dichlorophenol	ND	340	54
1,2,4-Trichlorobenzene	ND	340	48
Naphthalene	ND	68	42
4-Chloroaniline	ND	340	57
Hexachlorobutadiene	ND	340	41
4-Chloro-3-methylphenol	ND	340	43
Hexachlorocyclopentadiene	ND	680	74
2,4,6-Trichlorophenol	ND	340	160
2,4,5-Trichlorophenol	ND	340	90
2-Chloronaphthalene	ND	340	37
2-Nitroaniline	ND	680	46
Dimethylphthalate	ND	340	34
Acenaphthylene	ND	68	34
2,6-Dinitrotoluene	ND	340	34
3-Nitroaniline	ND	680	57
Acenaphthene	ND	68	37
2,4-Dinitrophenol	ND	680	110
4-Nitrophenol	ND	680	28
Dibenzofuran	ND	340	45
2,4-Dinitrotoluene	ND	340	22

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

43.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC331219	Batch#:	111242
Matrix:	Soil	Prepared:	03/13/06
Units:	ug/Kg	Analyzed:	03/14/06
Basis:	as received		

Analyte	Result	RL	MDL
Diethylphthalate	ND	340	31
Fluorene	ND	68	33
4-Chlorophenyl-phenylether	ND	340	30
4-Nitroaniline	ND	680	32
4,6-Dinitro-2-methylphenol	ND	680	26
N-Nitrosodiphenylamine	ND	340	30
4-Bromophenyl-phenylether	ND	340	29
Hexachlorobenzene	ND	340	22
Pentachlorophenol	ND	680	42
Phenanthrene	ND	68	31
Anthracene	ND	68	34
Di-n-butylphthalate	ND	340	34
Fluoranthene	ND	68	35
Pyrene	ND	68	25
Butylbenzylphthalate	ND	340	36
3,3'-Dichlorobenzidine	ND	680	23
Benzo(a)anthracene	ND	68	22
Chrysene	ND	68	24
bis(2-Ethylhexyl)phthalate	ND	340	50
Di-n-octylphthalate	ND	340	32
Benzo(b)fluoranthene	ND	68	34
Benzo(k)fluoranthene	ND	68	27
Benzo(a)pyrene	ND	68	30
Indeno(1,2,3-cd)pyrene	ND	68	32
Dibenz(a,h)anthracene	ND	68	26
Benzo(g,h,i)perylene	ND	68	27

Surrogate	%REC	Limits
2-Fluorophenol	91	25-135
Phenol-d5	92	25-135
2,4,6-Tribromophenol	69	25-144
Nitrobenzene-d5	82	25-135
2-Fluorobiphenyl	72	34-135
Terphenyl-d14	69	32-136

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

43.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC331220	Batch#:	111242
Matrix:	Soil	Prepared:	03/13/06
Units:	ug/Kg	Analyzed:	03/13/06
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Phenol	3,324	1,730	52	25-135
2-Chlorophenol	3,324	1,750	53	31-135
1,4-Dichlorobenzene	1,662	1,225	74	25-135
N-Nitroso-di-n-propylamine	1,662	1,170	70	27-135
1,2,4-Trichlorobenzene	1,662	1,188	71	34-152
4-Chloro-3-methylphenol	3,324	2,915	88	34-135
Acenaphthene	1,662	1,129	68	39-135
4-Nitrophenol	3,324	2,677	81	25-141
2,4-Dinitrotoluene	1,662	1,172	71	29-149
Pentachlorophenol	3,324	2,248	68	38-146
Pyrene	1,662	1,230	74	37-146

Surrogate	%REC	Limits
2-Fluorophenol	41	25-135
Phenol-d5	49	25-135
2,4,6-Tribromophenol	75	25-144
Nitrobenzene-d5	74	25-135
2-Fluorobiphenyl	65	34-135
Terphenyl-d14	69	32-136

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC332209	Batch#:	111475
Matrix:	Soil	Prepared:	03/20/06
Units:	ug/Kg	Analyzed:	03/21/06
Basis:	as received		

Analyte	Result	RL	MDL
Phenol	ND	330	24
bis(2-Chloroethyl)ether	ND	330	8.5
2-Chlorophenol	ND	330	40
1,3-Dichlorobenzene	ND	330	8.4
1,4-Dichlorobenzene	ND	330	10
1,2-Dichlorobenzene	ND	330	7.3
2-Methylphenol	ND	330	40
bis(2-Chloroisopropyl) ether	ND	330	6.5
4-Methylphenol	ND	330	34
N-Nitroso-di-n-propylamine	ND	330	15
Hexachloroethane	ND	330	8.8
Nitrobenzene	ND	330	11
2-Nitrophenol	ND	660	50
2,4-Dimethylphenol	ND	330	75
bis(2-Chloroethoxy)methane	ND	330	6.6
2,4-Dichlorophenol	ND	330	25
1,2,4-Trichlorobenzene	ND	330	8.9
Naphthalene	ND	66	6.7
4-Chloroaniline	ND	330	16
Hexachlorobutadiene	ND	330	7.7
4-Chloro-3-methylphenol	ND	330	20
Hexachlorocyclopentadiene	ND	660	2.8
2,4,6-Trichlorophenol	ND	330	27
2,4,5-Trichlorophenol	ND	330	47
2-Chloronaphthalene	ND	330	8.9
2-Nitroaniline	ND	660	23
Dimethylphthalate	ND	330	6.5
Acenaphthylene	ND	66	7.7
2,6-Dinitrotoluene	ND	330	6.4
3-Nitroaniline	ND	660	26
Acenaphthene	ND	66	6.4
2,4-Dinitrophenol	ND	660	18
4-Nitrophenol	ND	660	20
Dibenzofuran	ND	330	16
2,4-Dinitrotoluene	ND	330	7.0
Diethylphthalate	ND	330	5.5
Fluorene	ND	66	5.2
4-Chlorophenyl-phenylether	ND	330	7.9
4-Nitroaniline	ND	660	16
4,6-Dinitro-2-methylphenol	ND	660	53
N-Nitrosodiphenylamine	ND	330	16
4-Bromophenyl-phenylether	ND	330	11
Hexachlorobenzene	ND	330	7.0
Pentachlorophenol	ND	660	170
Phenanthrene	5.3 J	66	3.4
Anthracene	ND	66	3.6
Di-n-butylphthalate	ND	330	3.4
Fluoranthene	ND	66	4.0
Pyrene	ND	66	4.5
Butylbenzylphthalate	ND	330	5.0
3,3'-Dichlorobenzidine	ND	660	27

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

44.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC332209	Batch#:	111475
Matrix:	Soil	Prepared:	03/20/06
Units:	ug/Kg	Analyzed:	03/21/06
Basis:	as received		

Analyte	Result	RL	MDL
Benzo(a)anthracene	ND	66	5.3
Chrysene	ND	66	4.7
bis(2-Ethylhexyl)phthalate	ND	330	6.2
Di-n-octylphthalate	ND	330	6.5
Benzo(b)fluoranthene	ND	66	5.7
Benzo(k)fluoranthene	ND	66	6.6
Benzo(a)pyrene	ND	66	3.1
Indeno(1,2,3-cd)pyrene	ND	66	4.4
Dibenz(a,h)anthracene	ND	66	5.6
Benzo(g,h,i)perylene	ND	66	11

Surrogate	%REC	Limits
2-Fluorophenol	92	25-135
Phenol-d5	92	25-135
2,4,6-Tribromophenol	78	25-144
Nitrobenzene-d5	96	25-135
2-Fluorobiphenyl	103	34-135
Terphenyl-d14	82	32-136

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CT084	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC332210	Batch#:	111475
Matrix:	Soil	Prepared:	03/20/06
Units:	ug/Kg	Analyzed:	03/20/06
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Phenol	3,375	2,030	60	25-135
2-Chlorophenol	3,375	1,979	59	31-135
1,4-Dichlorobenzene	1,687	1,184	70	25-135
N-Nitroso-di-n-propylamine	1,687	1,129	67	27-135
1,2,4-Trichlorobenzene	1,687	1,208	72	34-152
4-Chloro-3-methylphenol	3,375	2,993	89	34-135
Acenaphthene	1,687	1,229	73	39-135
4-Nitrophenol	3,375	2,699	80	25-141
2,4-Dinitrotoluene	1,687	1,127	67	29-149
Pentachlorophenol	3,375	2,596	77	38-146
Pyrene	1,687	1,282	76	37-146

Surrogate	%REC	Limits
2-Fluorophenol	46	25-135
Phenol-d5	59	25-135
2,4,6-Tribromophenol	94	25-144
Nitrobenzene-d5	69	25-135
2-Fluorobiphenyl	76	34-135
Terphenyl-d14	79	32-136

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3545
Project#:	CTO84	Analysis:	EPA 8081A
Field ID:	84-BACKFILL-009	Batch#:	111156
Lab ID:	185327-001	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/09/06
Basis:	dry	Analyzed:	03/09/06
Diln Fac:	2.000		

Moisture: 9%

Cleanup Method: EPA 3620B

Analyte	Result	RL	MDL
alpha-BHC	ND	3.8	1.1
beta-BHC	ND	3.8	0.91
gamma-BHC	ND	3.8	1.1
delta-BHC	ND	3.8	0.64
Heptachlor	ND	3.8	1.1
Aldrin	ND	3.8	0.76
Heptachlor epoxide	ND	3.8	1.1
Endosulfan I	ND	3.8	1.5
Dieldrin	ND	7.3	1.9
4,4'-DDE	ND	7.3	1.7
Endrin	ND	7.3	2.9
Endosulfan II	ND	7.3	2.1
Endosulfan sulfate	ND	7.3	1.4
4,4'-DDD	ND	7.3	1.9
Endrin ketone	ND	7.3	1.8
Endrin aldehyde	2.8 C J	7.3	2.3
4,4'-DDT	ND	7.3	2.1
Chlordane (Technical)	ND	66	18
Methoxychlor	ND	38	15
Toxaphene	ND	130	46

Surrogate	%REC	Limits
TCMX	82	25-143
Decachlorobiphenyl	80	25-143

C= Presence confirmed, but RPD between columns exceeds 40%
J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3545
Project#:	CTO84	Analysis:	EPA 8081A
Field ID:	84-BACKFILL-010	Batch#:	111156
Lab ID:	185327-002	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/09/06
Basis:	dry	Analyzed:	03/09/06
Diln Fac:	1.000		

Moisture: 9%

Cleanup Method: EPA 3620B

Analyte	Result	RL	MDL
alpha-BHC	ND	1.9	0.57
beta-BHC	ND	1.9	0.45
gamma-BHC	ND	1.9	0.53
delta-BHC	ND	1.9	0.32
Heptachlor	ND	1.9	0.53
Aldrin	ND	1.9	0.38
Heptachlor epoxide	ND	1.9	0.56
Endosulfan I	ND	1.9	0.74
Dieldrin	ND	3.6	0.95
4,4'-DDE	ND	3.6	0.84
Endrin	ND	3.6	1.5
Endosulfan II	ND	3.6	1.0
Endosulfan sulfate	ND	3.6	0.71
4,4'-DDD	ND	3.6	0.96
Endrin ketone	ND	3.6	0.88
Endrin aldehyde	2.1 C J	3.6	1.2
4,4'-DDT	1.2 C J	3.6	1.1
Chlordane (Technical)	ND	33	8.9
Methoxychlor	ND	19	7.5
Toxaphene	ND	66	23

Surrogate	%REC	Limits
TCMX	68	25-143
Decachlorobiphenyl	66	25-143

C= Presence confirmed, but RPD between columns exceeds 40%
J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3545
Project#:	CTO84	Analysis:	EPA 8081A
Field ID:	84-BACKFILL-011	Batch#:	111156
Lab ID:	185327-003	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/09/06
Basis:	dry	Analyzed:	03/09/06
Diln Fac:	1.000		

Moisture: 8%

Cleanup Method: EPA 3620B

Analyte	Result	RL	MDL
alpha-BHC	ND	1.9	0.57
beta-BHC	ND	1.9	0.45
gamma-BHC	ND	1.9	0.53
delta-BHC	ND	1.9	0.32
Heptachlor	ND	1.9	0.52
Aldrin	ND	1.9	0.38
Heptachlor epoxide	ND	1.9	0.56
Endosulfan I	ND	1.9	0.74
Dieldrin	ND	3.6	0.94
4,4'-DDE	ND	3.6	0.83
Endrin	ND	3.6	1.5
Endosulfan II	ND	3.6	1.0
Endosulfan sulfate	1.9 C J	3.6	0.70
4,4'-DDD	ND	3.6	0.95
Endrin ketone	ND	3.6	0.88
Endrin aldehyde	ND	3.6	1.1
4,4'-DDT	1.9 C J	3.6	1.1
Chlordane (Technical)	ND	33	8.9
Methoxychlor	ND	19	7.4
Toxaphene	ND	66	23

Surrogate	%REC	Limits
TCMX	74	25-143
Decachlorobiphenyl	72	25-143

C= Presence confirmed, but RPD between columns exceeds 40%
J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Organochlorine Pesticides

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3545
Project#:	CTO84	Analysis:	EPA 8081A
Field ID:	84-BACKFILL-012	Batch#:	111156
Lab ID:	185327-004	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/09/06
Basis:	dry	Analyzed:	03/09/06
Diln Fac:	1.000		

Moisture: 10% Cleanup Method: EPA 3620B

Analyte	Result	RL	MDL
alpha-BHC	ND	1.9	0.57
beta-BHC	ND	1.9	0.45
gamma-BHC	ND	1.9	0.53
delta-BHC	ND	1.9	0.32
Heptachlor	ND	1.9	0.52
Aldrin	ND	1.9	0.38
Heptachlor epoxide	ND	1.9	0.56
Endosulfan I	ND	1.9	0.74
Dieldrin	ND	3.6	0.94
4,4'-DDE	ND	3.6	0.83
Endrin	ND	3.6	1.5
Endosulfan II	ND	3.6	1.0
Endosulfan sulfate	1.4 J	3.6	0.70
4,4'-DDD	ND	3.6	0.95
Endrin ketone	ND	3.6	0.88
Endrin aldehyde	2.2 C J	3.6	1.1
4,4'-DDT	ND	3.6	1.1
Chlordane (Technical)	ND	33	8.9
Methoxychlor	ND	19	7.4
Toxaphene	ND	66	23

Surrogate	%REC	Limits
TCMX	77	25-143
Decachlorobiphenyl	72	25-143

C= Presence confirmed, but RPD between columns exceeds 40%
J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Organochlorine Pesticides

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3545
Project#:	CTO84	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC330842	Batch#:	111156
Matrix:	Soil	Prepared:	03/09/06
Units:	ug/Kg	Analyzed:	03/09/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL	MDL
alpha-BHC	ND	1.7	0.52
beta-BHC	ND	1.7	0.41
gamma-BHC	ND	1.7	0.48
delta-BHC	ND	1.7	0.29
Heptachlor	ND	1.7	0.48
Aldrin	ND	1.7	0.35
Heptachlor epoxide	ND	1.7	0.51
Endosulfan I	ND	1.7	0.67
Dieldrin	ND	3.3	0.86
4,4'-DDE	ND	3.3	0.76
Endrin	ND	3.3	1.3
Endosulfan II	ND	3.3	0.94
Endosulfan sulfate	ND	3.3	0.64
4,4'-DDD	ND	3.3	0.87
Endrin ketone	ND	3.3	0.80
Endrin aldehyde	ND	3.3	1.0
4,4'-DDT	ND	3.3	0.97
Chlordane (Technical)	ND	30	8.1
Methoxychlor	ND	17	6.8
Toxaphene	ND	60	21

Surrogate	%REC	Limits
TCMX	77	25-143
Decachlorobiphenyl	87	25-143

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Organochlorine Pesticides

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3545
Project#:	CTO84	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC330843	Batch#:	111156
Matrix:	Soil	Prepared:	03/09/06
Units:	ug/Kg	Analyzed:	03/09/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.33	9.453	71	58-135
Heptachlor	13.33	10.17	76	68-135
Aldrin	13.33	9.545	72	60-135
Dieldrin	26.67	19.03	71	58-135
Endrin	26.67	20.89	78	60-135
4,4'-DDT	26.67	19.48	73	59-135

Surrogate	%REC	Limits
TCMX	78	25-143
Decachlorobiphenyl	84	25-143

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Organochlorine Pesticides

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3545
Project#:	CTO84	Analysis:	EPA 8081A
Field ID:	84-BACKFILL-012	Batch#:	111156
MSS Lab ID:	185327-004	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	ug/Kg	Prepared:	03/09/06
Basis:	dry	Analyzed:	03/09/06
Diln Fac:	1.000		

Type: MS
Lab ID: QC330844
Moisture: 10%
Cleanup Method: EPA 3620B

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.5264	14.78	8.689	59	58-135
Heptachlor	<0.5218	14.78	11.15	75	68-135
Aldrin	<0.3788	14.78	8.798	60	60-135
Dieldrin	<0.9371	29.55	17.29	59	58-135
Endrin	<1.451	29.55	19.36	66	60-135
4,4'-DDT	<1.058	29.55	19.50	66	59-135

Surrogate	%REC	Limits
TCMX	66	25-143
Decachlorobiphenyl	71	25-143

Type: MSD
Lab ID: QC330845
Moisture: 10%
Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	14.65	9.403	64	58-135	9	50
Heptachlor	14.65	12.12	83	68-135	9	50
Aldrin	14.65	9.548	65	60-135	9	50
Dieldrin	29.30	18.78	64	58-135	9	50
Endrin	29.30	20.57	70	60-135	7	50
4,4'-DDT	29.30	19.39	66	59-135	0	50

Surrogate	%REC	Limits
TCMX	69	25-143
Decachlorobiphenyl	59	25-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyls (PCBs)

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CT084	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Diln Fac:	1.000	Prepared:	03/09/06
Batch#:	111144		

Field ID:	84-BACKFILL-009	Moisture:	9%
Type:	SAMPLE	Analyzed:	03/11/06
Lab ID:	185327-001	Cleanup Method:	EPA 3665A
Basis:	dry		

Analyte	Result	RL	MDL
Aroclor-1016	ND	13	5.4
Aroclor-1221	ND	26	14
Aroclor-1232	ND	13	3.0
Aroclor-1242	ND	13	4.8
Aroclor-1248	ND	13	0.94
Aroclor-1254	18	13	2.7
Aroclor-1260	33	13	5.2

Surrogate	%REC	Limits
TCMX	119	30-140
Decachlorobiphenyl	105	30-140

Field ID:	84-BACKFILL-010	Moisture:	9%
Type:	SAMPLE	Analyzed:	03/11/06
Lab ID:	185327-002	Cleanup Method:	EPA 3665A
Basis:	dry		

Analyte	Result	RL	MDL
Aroclor-1016	ND	13	5.5
Aroclor-1221	ND	26	15
Aroclor-1232	ND	13	3.0
Aroclor-1242	ND	13	4.9
Aroclor-1248	ND	13	0.94
Aroclor-1254	18	13	2.7
Aroclor-1260	53	13	5.3

Surrogate	%REC	Limits
TCMX	141 *	30-140
Decachlorobiphenyl	134	30-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

19.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyls (PCBs)

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CT084	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Diln Fac:	1.000	Prepared:	03/09/06
Batch#:	111144		

Field ID:	84-BACKFILL-011	Moisture:	8%
Type:	SAMPLE	Analyzed:	03/13/06
Lab ID:	185327-003	Cleanup Method:	EPA 3665A
Basis:	dry		

Analyte	Result	RL	MDL
Aroclor-1016	ND	13	4.0
Aroclor-1221	ND	26	15
Aroclor-1232	ND	13	0.94
Aroclor-1242	ND	13	3.7
Aroclor-1248	ND	13	2.4
Aroclor-1254	72	13	2.0
Aroclor-1260	120	13	4.5

Surrogate	%REC	Limits
TCMX	84	30-140
Decachlorobiphenyl	99	30-140

Field ID:	84-BACKFILL-012	Moisture:	10%
Type:	SAMPLE	Analyzed:	03/13/06
Lab ID:	185327-004	Cleanup Method:	EPA 3665A
Basis:	dry		

Analyte	Result	RL	MDL
Aroclor-1016	ND	13	4.1
Aroclor-1221	ND	27	15
Aroclor-1232	ND	13	0.97
Aroclor-1242	ND	13	3.8
Aroclor-1248	ND	13	2.4
Aroclor-1254	18	13	2.1
Aroclor-1260	45	13	4.6

Surrogate	%REC	Limits
TCMX	78	30-140
Decachlorobiphenyl	94	30-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

19.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Polychlorinated Biphenyls (PCBs)

Lab #:	185327 -	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	03/06/06
Units:	ug/Kg	Received:	03/06/06
Diln Fac:	1.000	Prepared:	03/09/06
Batch#:	111144		

Type:	BLANK	Analyzed:	03/10/06
Lab ID:	QC330786	Cleanup Method:	EPA 3665A
Basis:	as received		

Analyte	Result	RL	MDL
Aroclor-1016	ND	12	5.0
Aroclor-1221	ND	24	13
Aroclor-1232	ND	12	2.8
Aroclor-1242	ND	12	4.5
Aroclor-1248	ND	12	0.87
Aroclor-1254	ND	12	2.5
Aroclor-1260	ND	12	4.8

Surrogate	%REC	Limits
TCMX	137	30-140
Decachlorobiphenyl	119	30-140

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC330787	Batch#:	111144
Matrix:	Soil	Prepared:	03/09/06
Units:	ug/Kg	Analyzed:	03/11/06
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1221	330.4	312.7	95	50-140

Surrogate	%REC	Limits
TCMX	138	30-140
Decachlorobiphenyl	93	30-140

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Polychlorinated Biphenyls (PCBs)

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3550B
Project#:	CTO84	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	111144
MSS Lab ID:	185386-010	Sampled:	03/08/06
Matrix:	Soil	Received:	03/08/06
Units:	ug/Kg	Prepared:	03/09/06
Basis:	dry	Analyzed:	03/11/06
Diln Fac:	1.000		

Type:	MS	Moisture:	20%
Lab ID:	QC330788	Cleanup Method:	EPA 3665A

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1221	<16.67	414.6	408.1	98	50-140

Surrogate	%REC	Limits
TCMX	138	30-140
Decachlorobiphenyl	133	30-140

Type:	MSD	Moisture:	20%
Lab ID:	QC330789	Cleanup Method:	EPA 3665A

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1221	420.2	351.4	84	50-140	16	50

Surrogate	%REC	Limits
TCMX	120	30-140
Decachlorobiphenyl	115	30-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	185327	Project#:	CTO84
Client:	Tetra Tech EC, Inc.	Location:	PCB Hot Spot, HPS
Field ID:	84-BACKFILL-009	Basis:	dry
Lab ID:	185327-001	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	mg/Kg		

Moisture: 9%

Analyte	Result	RL	MDL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	0.55 J	3.4	0.12	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Arsenic	2.0	0.29	0.11	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Barium	35	0.57	0.059	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Beryllium	0.14	0.11	0.011	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Cadmium	0.51	0.29	0.026	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Chromium	250	0.57	0.038	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Cobalt	66	1.1	0.029	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Copper	13	0.57	0.054	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Lead	15	0.17	0.060	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Mercury	0.044	0.022	0.0043	1.000	111192	03/10/06	03/10/06	METHOD	EPA 7471A
Molybdenum	0.37 J	1.1	0.026	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Nickel	1,300	11	0.35	10.00	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Selenium	1.1	0.29	0.089	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Silver	ND	0.29	0.050	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Thallium	ND	0.29	0.035	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Vanadium	26	0.57	0.036	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Zinc	82	1.1	0.12	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

27.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	185327	Project#:	CTO84
Client:	Tetra Tech EC, Inc.	Location:	PCB Hot Spot, HPS
Field ID:	84-BACKFILL-010	Basis:	dry
Lab ID:	185327-002	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	mg/Kg		

Moisture: 9%

Analyte	Result	RL	MDL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	3.2	0.11	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Arsenic	1.7	0.26	0.10	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Barium	31	0.53	0.054	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Beryllium	0.10 J	0.11	0.010	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Cadmium	0.92	0.26	0.024	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Chromium	220	0.53	0.035	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Cobalt	62	1.1	0.027	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Copper	17	0.53	0.050	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Lead	15	0.16	0.056	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Mercury	0.047	0.022	0.0042	1.000	111192	03/10/06	03/10/06	METHOD	EPA 7471A
Molybdenum	0.39 J	1.1	0.024	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Nickel	1,300	11	0.32	10.00	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Selenium	0.31	0.26	0.082	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Silver	ND	0.26	0.046	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Thallium	ND	0.26	0.032	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Vanadium	27	0.53	0.033	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Zinc	100	1.1	0.11	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

28.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	185327	Project#:	CTO84
Client:	Tetra Tech EC, Inc.	Location:	PCB Hot Spot, HPS
Field ID:	84-BACKFILL-011	Basis:	dry
Lab ID:	185327-003	Diln Fac:	1.000
Matrix:	Soil	Sampled:	03/06/06
Units:	mg/Kg	Received:	03/06/06

Moisture: 8%

Analyte	Result	RL	MDL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	1.4 J	3.3	0.12	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Arsenic	5.5	0.27	0.11	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Barium	56	0.54	0.056	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Beryllium	0.25	0.11	0.011	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Cadmium	0.33	0.27	0.025	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Chromium	140	0.54	0.036	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Cobalt	35	1.1	0.028	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Copper	48	0.54	0.052	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Lead	21	0.16	0.057	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Mercury	0.039	0.019	0.0036	111192	03/10/06	03/10/06	METHOD	EPA 7471A
Molybdenum	0.39 J	1.1	0.024	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Nickel	430	1.1	0.033	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Selenium	ND	0.27	0.084	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Silver	ND	0.27	0.047	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Thallium	ND	0.27	0.033	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Vanadium	31	0.54	0.034	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Zinc	190	1.1	0.12	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

29.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #:	185327	Project#:	CTO84
Client:	Tetra Tech EC, Inc.	Location:	PCB Hot Spot, HPS
Field ID:	84-BACKFILL-012	Basis:	dry
Lab ID:	185327-004	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	mg/Kg		

Moisture: 10%

Analyte	Result	RL	MDL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	3.3	0.12	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Arsenic	3.5	0.28	0.11	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Barium	38	0.55	0.056	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Beryllium	0.16	0.11	0.011	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Cadmium	0.29	0.28	0.025	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Chromium	170	0.55	0.037	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Cobalt	68	1.1	0.028	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Copper	26	0.55	0.052	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Lead	9.0	0.17	0.058	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Mercury	0.036	0.025	0.0047	1.000	111192	03/10/06	03/10/06	METHOD	EPA 7471A
Molybdenum	0.39 J	1.1	0.025	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Nickel	1,000	11	0.33	10.00	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Selenium	ND	0.28	0.085	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Silver	ND	0.28	0.048	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Thallium	ND	0.28	0.034	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Vanadium	23	0.55	0.035	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B
Zinc	88	1.1	0.12	1.000	111266	03/14/06	03/14/06	EPA 3050B	EPA 6010B

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

30.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	METHOD
Project#:	CTO84	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC330999	Batch#:	111192
Matrix:	Soil	Prepared:	03/10/06
Units:	mg/Kg	Analyzed:	03/10/06

Result	RL	MDL
ND	0.020	0.0038

ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

31.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	METHOD
Project#:	CTO84	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	111192
Units:	mg/Kg	Prepared:	03/10/06
Basis:	as received	Analyzed:	03/10/06

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC331000	0.5000	0.5370	107	75-125		
BSD	QC331001	0.5000	0.5220	104	75-125	3	30

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	METHOD
Project#:	CTO84	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	84-BACKFILL-009	Batch#:	111192
MSS Lab ID:	185327-001	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	mg/Kg	Prepared:	03/10/06
Basis:	dry	Analyzed:	03/10/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	Moisture	RPD	Lim
MS	QC331002	0.04351	0.5387	0.6259	108	75-125	9%		
MSD	QC331003		0.5088	0.6013	110	75-125	9%	1	30

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3050B
Project#:	CTO84	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC331331	Batch#:	111266
Matrix:	Soil	Prepared:	03/14/06
Units:	mg/Kg	Analyzed:	03/14/06
Basis:	as received		

Analyte	Result	RL	MDL
Antimony	ND	3.0	0.11
Arsenic	ND	0.25	0.099
Barium	ND	0.50	0.051
Beryllium	ND	0.10	0.0099
Cadmium	ND	0.25	0.023
Chromium	ND	0.50	0.034
Cobalt	ND	1.0	0.025
Copper	ND	0.50	0.047
Lead	ND	0.15	0.053
Molybdenum	ND	1.0	0.022
Nickel	ND	1.0	0.030
Selenium	0.12 J	0.25	0.078
Silver	ND	0.25	0.043
Thallium	ND	0.25	0.031
Vanadium	ND	0.50	0.032
Zinc	ND	1.0	0.11

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

32.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3050B
Project#:	CT084	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	111266
Units:	mg/Kg	Prepared:	03/14/06
Basis:	as received	Analyzed:	03/14/06
Diln Fac:	1.000		

Type: BS Lab ID: QC331332

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	97.96	98	75-125
Arsenic	50.00	49.44	99	75-125
Barium	100.0	98.94	99	75-125
Beryllium	2.500	2.583	103	75-125
Cadmium	10.00	9.882	99	75-125
Chromium	100.0	100.4	100	75-125
Cobalt	25.00	24.18	97	75-125
Copper	12.50	12.33	99	75-125
Lead	100.0	97.11	97	75-125
Molybdenum	20.00	20.36	102	75-125
Nickel	25.00	24.48	98	75-125
Selenium	50.00	48.56	97	75-125
Silver	10.00	9.529	95	75-125
Thallium	50.00	43.65	87	75-125
Vanadium	25.00	25.48	102	75-125
Zinc	25.00	24.64	99	75-125

Type: BSD Lab ID: QC331333

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	99.27	99	75-125	1	30
Arsenic	50.00	49.24	98	75-125	0	30
Barium	100.0	99.57	100	75-125	1	30
Beryllium	2.500	2.581	103	75-125	0	30
Cadmium	10.00	9.773	98	75-125	1	30
Chromium	100.0	100.8	101	75-125	0	30
Cobalt	25.00	24.06	96	75-125	1	30
Copper	12.50	12.35	99	75-125	0	30
Lead	100.0	95.89	96	75-125	1	30
Molybdenum	20.00	20.23	101	75-125	1	30
Nickel	25.00	24.31	97	75-125	1	30
Selenium	50.00	48.15	96	75-125	1	30
Silver	10.00	9.459	95	75-125	1	30
Thallium	50.00	42.88	86	75-125	2	30
Vanadium	25.00	25.34	101	75-125	1	30
Zinc	25.00	24.38	98	75-125	1	30

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	185327	Location:	PCB Hot Spot, HPS
Client:	Tetra Tech EC, Inc.	Prep:	EPA 3050B
Project#:	CTO84	Analysis:	EPA 6010B
Field ID:	84-BACKFILL-009	Batch#:	111266
MSS Lab ID:	185327-001	Sampled:	03/06/06
Matrix:	Soil	Received:	03/06/06
Units:	mg/Kg	Prepared:	03/14/06
Basis:	dry	Analyzed:	03/14/06
Diln Fac:	1.000		

Type: MS Moisture: 9%
Lab ID: QC331334

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.5451	76.31	13.84	17 *	75-125
Arsenic	2.020	38.16	39.78	99	75-125
Barium	34.98	76.31	98.64	83	75-125
Beryllium	0.1428	1.908	1.901	92	75-125
Cadmium	0.5124	7.631	7.537	92	75-125
Chromium	245.0	76.31	334.9	118	75-125
Cobalt	65.62	19.08	79.50	73 *	75-125
Copper	12.95	9.539	22.01	95	75-125
Lead	14.89	76.31	85.73	93	75-125
Molybdenum	0.3737	15.26	13.74	88	75-125
Nickel	1,279	19.08	1,175 >LR	-547 NM	75-125
Selenium	1.056	38.16	36.79	94	75-125
Silver	<0.04953	7.631	3.013	39 *	75-125
Thallium	<0.03493	38.16	27.11	71 *	75-125
Vanadium	25.83	19.08	42.95	90	75-125
Zinc	82.19	19.08	104.8	119 NM	75-125

Type: MSD Moisture: 9%
Lab ID: QC331335

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.8	20.36	20 *	75-125	11	30
Arsenic	50.41	52.92	101	75-125	2	30
Barium	100.8	117.6	82	75-125	2	30
Beryllium	2.520	2.568	96	75-125	4	30
Cadmium	10.08	9.496	89	75-125	3	30
Chromium	100.8	354.4	109	75-125	2	30
Cobalt	25.20	84.34	74 *	75-125	1	30
Copper	12.60	24.03	88	75-125	4	30
Lead	100.8	98.41	83	75-125	10	30
Molybdenum	20.16	18.98	92	75-125	5	30
Nickel	25.20	1,313 >LR	133 NM	75-125	NC	30
Selenium	50.41	49.63	96	75-125	3	30
Silver	10.08	5.228	52 *	75-125	27	30
Thallium	50.41	38.10	76	75-125	6	30
Vanadium	25.20	50.58	98	75-125	4	30
Zinc	25.20	124.6	168 *	75-125	11	30

*= Value outside of QC limits; see narrative
NC= Not Calculated
NM= Not Meaningful: Sample concentration > 4X spike concentration
>LR= Response exceeds instrument's linear range
RPD= Relative Percent Difference

37.0

Final Report

Forensic Analytical

San Francisco • Los Angeles • Sacramento • Chicago • Las Vegas • Portland

Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Curtis & Tompkins Ltd
Project Manager

2323 Fifth St
Berkeley, CA 94710

Client ID: 1137
Report Number: B082601
Date Received: 03/07/06
Date Analyzed: 03/14/06
Date Printed: 03/15/06

Job ID/Site: 185327 - PCB Hot Spot, HPS

FASI Job ID: 1137-288

Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

Sample ID	Lab Number	Layer Description
84-BACKFILL-009	10500355	**Grey Soil**

Point Count Results:

Number of asbestos points counted:	13
Number of non-empty points:	400
Layer percentage of entire sample:	100
Percent asbestos in layer:	3.3
Visual estimation percentage:	5.0
Asbestos type(s) detected:	Chrysotile

Comment:

84-BACKFILL-010 10500356 **Grey Soil**

Point Count Results:

Number of asbestos points counted:	12
Number of non-empty points:	400
Layer percentage of entire sample:	100
Percent asbestos in layer:	3.0
Visual estimation percentage:	3.0
Asbestos type(s) detected:	Chrysotile

Comment:

Final Report

Forensic Analytical

San Francisco • Los Angeles • Sacramento • Chicago • Las Vegas • Portland

Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Curtis & Tompkins Ltd
Project Manager

2323 Fifth St
Berkeley, CA 94710

Client ID:	1137
Report Number:	B082601
Date Received:	03/07/06
Date Analyzed:	03/14/06
Date Printed:	03/15/06

Job ID/Site: 185327 - PCB Hot Spot, HPS

FASI Job ID: 1137-288

Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

Sample ID	Lab Number	Layer Description
84-BACKFILL-011	10500357	**Grey Soil**

Point Count Results:

Number of asbestos points counted:	9
Number of non-empty points:	400
Layer percentage of entire sample:	100
Percent asbestos in layer:	2.3
Visual estimation percentage:	2.0
Asbestos type(s) detected:	Chrysotile

Comment:

84-BACKFILL-012	10500358	**Grey Soil**

Point Count Results:

Number of asbestos points counted:	10
Number of non-empty points:	400
Layer percentage of entire sample:	100
Percent asbestos in layer:	2.5
Visual estimation percentage:	3.0
Asbestos type(s) detected:	Chrysotile

Comment:

Final Report

Forensic Analytical

San Francisco • Los Angeles • Sacramento • Chicago • Las Vegas • Portland

Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Curtis & Tompkins Ltd
Project Manager

2323 Fifth St
Berkeley, CA 94710

Client ID:	1137
Report Number:	B082601
Date Received:	03/07/06
Date Analyzed:	03/14/06
Date Printed:	03/15/06

Job ID/Site: 185327 - PCB Hot Spot, HPS

FASI Job ID: 1137-288

Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

Sample ID	Lab Number	Layer Description

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification (LOQ) = 0.25%. Trace denotes the presence of asbestos below the LOQ. ND = None Detected.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

3777 Depot Road, Suite 409, Hayward, California 94545-2761 • Telephone: 510/887-8828 800/827-FASI Fax: 510/887-4218