N96095.AR.000614
NWIRP CALVERTON NY
5090.3a

Data Summary Report
for
Site 2 – Fire Training Area

Naval Weapons Industrial Reserve Plant
Calverton, New York

VOLUME II - APPENDICES

Engineering Field Activity Northeast
Naval Facilities Engineering Command
Contract Number N62472-03-D-0057
Contract Task Order 004

August 2005

APPENDIX A

SOIL BORING LOG SHEETS

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB201
DATE: 5-4-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk	topsoil + fill material					0	
	2					brn	m. sand w silt tr. f. gravel		petrol odor			4.2	
	3					blk	m. sand w silt					10.5	
S-1	4		42/48			brn						14	
	5					blk						42.8	
	6					brn	m. sand tr. silt + f. gravel					2.3	
	7					gry						3.3	
	8		45/48									22.6	
	9					brn blk	m. sand w silt					24.8	
	10					gry	m. sand tr. silt + gravel					11.2	
S-2	11					brn						70.5	
	12		46/48			gry						68.2	
	13											44.5	
	14											18.2	
	15											31.2	
S-3	16		46/48	6'								16.8	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB202
DATE: 5-4-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk brn	Loam + fill & gravel		topsoil 2"			0	
	2					brn	m. sand & silt					0	
	3					blk brn			some fill material + dry fines			0.2	
S-1	4		42/48									0	
	5											0	
	6					gry brn	Sand some silt					0	
	7					blk						0	
	8		40/48			gry	m. sand trc. silt					0	
~~S-2~~	9											0	
S-2	10			blk					blk 2"			0	
	11											0	
	12		41/48									0	
	13											0	
	14								blk 2"			0	
	15			gry								0	
	16		44/48	brn								0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 203
DATE: 5-4-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
	1					BLK BRN	Coarse + fill material		topsoil 24			0	
	2					BLK BRN	M sand w silt					18.5	
S-1	3					gry brn						26.1	
	4		42/48	35K		BLK						4.5	
	5					gry brn						9.3	
	6											3.5	
S-2	7			62K		BLK						0	
	8		42/48			gry grn	M. sand tr. silt					0	
	9											1.4	
	10					BLK brn	med sand w silt					26.1	
	11					gry grn	med sand tr silt					0	
	12		44/48									9.2	
	13											5.8	
	14											13.2	
	15			GW					wet			5.5	
S-3	16		45/48									8.4	
	17											21.3	
	18											25.4	
	19											30.2	
	20											28.5	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 204
DATE: 5-4-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk dark br	Loam					0	
	2					brn gry	m. sand some silt					0	
S-1	3											0	
	4		42/48			blk brn gy						0	
	5					brn						0	
	6					brn grn						0	
S-2	7					tan						0	
	8		44/48			gy tan	m. sand, tr. silt					0	
	9											0	
	10											0	
	11											0	
	12		45/48									0	
	13					grn gry						0	
	14			GW?								51	
S-3	15											24.2	
	16		40/48									38.6	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 205
DATE: 5-4-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					gy	Concrete 6"					0	
	2					brn	M. sand, some silt fr. gravel		moist			0	
	3											0	
S-1	4		34/48									0	
	5					tan	M. sand, tr silt + gravel		med gravel pieces			0	
	6											0	
	7											0	
	8		40/48									0	
	9											0	
	10			brn		brn						0	
	11					tan						0	
	12		48/48									0	
	13											0	
	14								saturated			0	
	15			gr								0	
	16		41/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 206
DATE: 5-4-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
	1					gry	Concrete 11'					0	
	2					gry tan	m. sand, tr. c. sand + gravel		moist			0	
	3											0	
	4		28/48									0	
	5											0	
	6			BLK		BLK	Sand w silt					4.4	
	7					gray	m. sand, tr. silt					0	
	8		36/48			brn						0	
	9					tan						3.2	
	10					blk	Sand w silt					14.3	
	11			BLK		gray	m. sand, tr. gravel					0	
	12		40/48			gry tan						0	
	13											0	
	14											8.5	
	15			6'					saturated			0	
	16		46/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 207
DATE: 5-4-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					gy	Concrete					0	
	2			gm		gr	m. sand, tr. silt		moist			0	
	3			BLK		BLK	m. sand w silt + org fines					64.9	
S-1	4		38/48			gm	m. sand tr. silt					36.3	
	5					BLK	m. sand w silt + org fines					64.6	
	6					gy bn	m. sand, tr. silt					72.2	
	7											57.6	
	8		46/48									68.6	
	9											60.1	
	10			BLK		BLK	sand w silt + org fines					69.5	
S-2	11					gy	m. sand tr. silt					65.0	
	12		44/48									106	
	13					BLK	sand w silt + org fines					20	
	14					gy	m. sand, tr. silt		wet			95	
S-3	15			bn								146	
	16		42/48			gy gm						122	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 208
DATE: 5-4-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
	1					gry	concrete 8"					/	
	2					gry brn	m. sand tr. gravel		moist			0	
S-1	3											0	
	4		30/48									0	
	5											0	
	6					brn blk	m. sand some silt					0	
	7					brn						0	
	8		38/48									0	
	9					gry brn	m. sand, tr. gravel					0	
	10											0	
	11											0	
	12		48/48			orn gry	m. sand		orn-gry: gry stained orange			0	
	13					gry brn	m. sand tr. c sand + f. gravel					0	
	14						↓		wet			0	
S-2	15			6'					↓			0	
	16		48/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB209
DATE: 5-6-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk	Loam + fill (coal pieces)					0	
	2					brn blk	Silty sand & org fines		moist			0	
	3					brn	Med sand with silt					0	
	4		42/48									0	
	5						m. sand tr. silt					0	
	6					tan	m. sand, tr silt + c. sand + f. gravel					0	
	7											0	
	8		45/48	~~blk~~ brn		blk brn	sand w silt					0	
	9			~~blk~~		blk						0	
	10					tan ~~yel~~	m. sand, tr. silt c. sand + gravel					0	
	11											0	
	12		48/48									0	
	13			~~brn~~ ~~blk~~		brn blk	sand w silt					0	
	14						m. sand, tr. silt c. sand + gravel					0	
	15								wet			3	
	16		48/48	Glu								21	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB210
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK brn	Loam		topsoil 2"			1.1	
	2					brn	Sand & silt		moist			1.8	
	3					blk						1.4	
	4		42/48			blk brn						1.5	
S-1	5					brn						1.1	
	6					blk gry	Sand & silt some gravel		blk-gry 3"			0.1	
	7					brn	Sand & silt					0	
	8		46/48									0	
	9			blk		blk			blk 1"			0.6	
	10					gry	m. sand tr. c. sand + gravel					0	
	11											0	
	12		45/48			gry brn			blk-brn 3"			0	
	13								petrol odor			0	
	14			~~blk-brn~~ brn		gry			saturated			0.9	
	15					blk brn						7.5	
	16		46/48			gry						24.8	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 211
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK BRN	silty sand, roots, gravis		topsoil 2"			0	
	2					BRN	med sand w silt					0	
	3					BLK	med sand w silt + org. fines		petrol odor			6.8	
	4	~~42~~ 48	~~42~~ 48									2.2	
S1	5											12.6	
	6											6.0	
	7					BRN	med sand, some silt					7.8	
	8	~~46~~ 48	~~46~~ 48									0	
	9											0	
	10											0	
	11											0	
	12	~~44~~ 48	~~44~~ 48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 212
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK brn	Loam		Topsoil 3"			0	
	2					gry	Med sand w silt		Petrol odor			1.1	
	3					brn			moist			3.5	
	4		42/48			blk brn						2.4	
	5					brn						2.6	
	6					gry grn	m. sand, tr. c. sand + gravel					1.6	
	7											19.5	
	8		46/48									23.7	
	9											24.5	
	10					blk	sand w silt					35.7	
	11											34.6	
	12		46/48									42.6	
	13					blk	sand w silt					26.2	
	14					gry grn			wet			41.5	
	15			6m								33.1	
	16		47/48									38.7	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #:

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 213
DATE: 5-8-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK BRN	silty sand, roots grass		topsoil 2"			0	
	2			BLK		BRN	m. sand w silt tr. gravel					0	
	3					BLK	sand w. silt + org. fines					0	
	4					BRN	m. sand some silt					0	
	5					tan gry						0	
	6											0	
	7											0	
	8											0	
	9					gren brn						0	
	10			gren-brn		tan gry						0	
	11											0	
	12											0	
	13			gren		gren blk			gren 2"			0	
	14			BLK		tan gry						0	
	15											0	
	16			GW								0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB214
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk	Coal + fill material					0	
	2					brn	m. sand tr. silt		Petrol odor			10.1	
	3					blk gry	sand w silt + org. fines		moist			123	
	4											18	
	5					brn	m. sand some silt					69.5	
	6											25.1	
	7											4.3	
	8											2.6	
	9					blk brn	sand w silt + org fines					82.8	
	10					gry	m. sand, tr. c. sand					153	
	11											34.6	
	12			GW					wet			103	
	13			EOB									
	14												
	15												
	16												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB215
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk brn	Loam + fill (coal pieces)		topsoil 4"			0	
	2					brn	m. sand some silt					0	
	3			brn		DRK brn						0	
S-1	4					brn						0	
	5					tan	m. sand tr. silt + c. sand					0	
	6											0	
	7					gry tan						0	
	8											0	
	9											0	
	10											0	
	11											0	
	12											0	
	13											0	
	14								+ gravel, saturated			0	
	15			GW					yellow stained			0	
	16											0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB216
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk	Sand + fill material					1.2	
	2					brn	Sand w silt		moist			0.5	
	3					gy blk						20.2	
	4											1.6	
	5					brn	m. sand tr. silt					0.7	
	6											0	
	7											0	
	8					drk brn	m. sand w silt					0	
	9					blk gry	sand w silt + organic fines					3.3	
	10					tan	m. sand tr. silt + c. sand					0.2	
	11								wet			0	
	12			6'		brn						0	
	13			EOB									
	14												
	15												
	16												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 217
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					Blk	Sand w silt, grass, roots + fill (coal pieces)		8"			0	
	2					Brn	M. Sand tr. silt + gravel		moist			0	
	3											0	
	4		42/48									0	
	5			BCK					blk ~1"			0	
	6					gry	med Sand, tr silt + c. sand					0	
	7											0	
	8		45/48									0	
	9											0	
	10											0	
	11			BCK					blk ~1"			0	
	12		42/48			gry						0	
	13			BCK					blk ~1"			0	
	14					gry						0	
	15								wet			0	
	16		44/48	GW					petrol odor @ saturated zone			0	
				EOB					brn stained 15'-16'				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 218
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK BRN	Silty Sand, Roots grass		topsoil 24			0	
	2					Brn	M. Sand & Silt					0	
	3					BLK	Sand & silt + org fines					0	
	4		42/48						petrol odor			0	
	5		48/48									233	
	6											480	
	7					brn	M. Sand some silt					0.9	
	8		48/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 219
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK brn	Loam		topsoil 2"			0	
	2					brn blk	M. Sand w silt + org fines					0	
	3											0	
	4		36/48			brn	M. sand w silt					0	
	5											0	
S-1	6					tan	M. sand, tr. silt					0	
	7											0	
	8		40/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB220
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk brn	Coal + fgn (coal pieces)		topsoil			0	
	2					brn	m. sand & silt					0	
	3						↓					0	
	4		41/48			D. brn blk	m. sand w silt + dry fines		oily - asphalt			0	
	5					brn	m. sand some silt					0	
	6						↓					0	
	7					tan	m. sand tr. silt					0	
	8		40/48				↓					0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB221
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					blk	Loam + fill (coal pieces)					0	
	2					brn	M. Sand & silt					0	
	3			brn		DRK brn	Silty sand					0	
	4		42/48			brn	M. Sand & silt					0	
S-1	5					DRK brn						0	
	6					brn						0	
	7					tan	M. Sand, tr. silt					0	
	8		45/48									0	
	9			EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB222
DATE: 5-5-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK brn	Loam		topsoil 3"			0	
	2					brn	m. sand w silt					0	
	3						↓					0	
	4					tan	m. sand, tr. silt					0	
	5			brn		brn	sand w silt		4" brn + 1" blk.			0	
	6					tan	m. sand tr. silt					0	
	7						↓					0	
	8						↓					0	
	9			brn			sand w silt					0	
	10					gry brn	m. sand tr. silt					0	
	11						↓					0	
	12											0	
	13											0	
	14											0	
	15			GW								0	
	16						↓					0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB224
DATE: 5-6-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK brn	Loam		topsoil 2"			0	
	2					brn	fr. sand some silt fr - c. sand					5.4	
	3						↓					3.6	
S-1	4		40/48				↓					2.8	
	5						sand w silt + org tones		blk 7"			2.5	
	6			SUK		brn	sand w silt					0	
	7					tan	fr. sand, fr. silt gravel + c. sand					0	
	8		46/48				↓					0	
	9			SUK					SUK			0	
	10											0	
	11			GW								0	
	12		44/48				↓					0	
	13			EOB								0	

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 225
DATE: 5-6-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK brn	Loam					0	
	2					brn	m. sand, some silt		moist			0	
	3					blk gry	sand (gry) mix w opq. silt					1.5	
S-1	4		42/48			gry gry	m. sand tr. silt + gravel					2.9	
	5											1.9	
	6					tan						1.3	
	7											1.8	
	8		44/48									5.9	
	9											3.9	
	10			BLK		gry						12.0	
	11								Petrol odor			39.4	
	12		46/48									48.1	
	13					tan						16.8	
	14					blk brn	sand w silt		wet			48.8	
	15			Gw		tan	m. sand, tr. silt, f. gravel + c. sand					24.2	
	16		47/48									14.3	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB226
DATE: 5-6-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					brn	Loam, grass, roots					0	
	2						m. sand some silt tr. f. gravel		moist			0	
	3					blk gry	med sand w silt + dry fines					0	
S-1	4					brn gry						0	
	5					brn yllw	m. sand sm/tr silt, tr. c. sand					0	
	6			blk			m. sand w silt		blk 2"			0	
	7			brn								0	
	8			blk		brn yllw			blk 2"			0	
	9			blk		blk			blk 2"			0	
	10					brn						0	
	11											0	
	12			blk					blk 2"			0	
	13					tan	med sand tr. silt + gravel, c. sand					0	
	14											0	
	15											0	
	16					blk brn	m. sand w silt		blk-brn 6"			0	
	17			blk		tan	m. sand tr. silt + gravel, c. sand					0	
	18			brn					wet			0	
	19											0	
	20											0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB227
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK BRN	M. Sand w silt, grass roots		topsoil 3"			0	
	2					brn	M. Sand some silt					0	
	3					blk	M. Sand, some silt + org. fines					0	
	4		36/48	brn			↓		2" Fe/brn stain (from Fe piece)			0	
	5											0	
	6					brn	M. Sand tr. silt + f. gravel					0	
	7						↓					0	
	8		42/48				↓					0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB228
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					brn	M. Sand w Silt grass, roots		topsoil 2"			0	
	2						M. Sand w Silt		moist			0	
	3											0	
	4		40/48			blk	M. Sand w silt + org fines		fill material concrete pieces			0	
	5								blk-brn, org			0	
	6											0	
	7											0	
	8		42/48			brn	M. Sand tr/some silt					0	
	9											0	
	10					tan						0	
	11											0	
	12		40/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB229
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					brn	M. sand some silt		topsoil			0	
	2								moist			0	
	3			0.5 brn					2" DRK brn			0	
	4		46 / 48			tan	M. sand tr. silt f.c. sand					0	
	5											0	
	6											0	
	7											0	
	8		46 / 48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB230
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK brn	Loam, grass, roots		topsoil 2"			0	
	2					brn	m. sand some silt		moist			0	
	3						— " — some/tr. silt					0	
	4		45/48									0	
	5					yllw brn	m. sand tr. silt tr. c. sand.					0	
	6					tan gry						0	
	7											0	
	8		45/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB231
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					gry brn	m. sand w silt grass, roots		2"				
	2					brn	m. sand tr/some silt, tr c. sand		moist				
	3												
	4		42/48										
	5												
	6					gry tan	m. sand tr silt, c. sand + f. gravel		coarse gravel piece				
	7												
	8		47/48										
	9												
	10												
	11											5.8	
	12		46/48						sl. petrol odor			30.1	
	13											0	
	14								petrol odor			70.7	
	15			6ft		gry grn			saturated			84.8	
	16		46/48									88.5	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 232
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					DRK brn	M. sand w silt		topsoil 24"			0	
	2					brn	M. sand some silt tr. gravel					0	
	3					DRK brn gry	M. sand some silt		fill material coal pieces			0	
	4		43/48			brn	M. sand tr/some silt					0	
	5											0	
	6											0	
	7					light brn			light brn			0	
	8		44/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT - SB 233
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					BLK	fin - coal pieces					0	
	2					DRK BRN	m sand w silt		3" BLK petrol odor			5.1	
	3			BLK		BLK	m. sand w silt + only fines					0.2	
	4		40/48			BRN	m sand some silt tr. c. sand					0	
	5						↓					0	
	6					tan	m sand tr. silt + c. sand					0	
	7						↓					0	
	8		46/48				↓					0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB234
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					Blk	fill material (coal pieces)		2"			0	
	2					D.Brn gry	m. sand some silt tr. f gravel					0	
	3			~~Brn~~			↓		2" brn			0	
	4		44/48	~~Blk~~		brn gry	m. sand tr/some silt		1" blk			0	
	5					brn						0	
	6											0	
	7											0	
	8		46/48				↓					0	

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB235
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					BLK	Sand + Silt fill material (coal pieces)					0	
	2					DRK BRN	M. sand w. silt tr. c. sand		moist			0	
	3			FR		brn						0	
	4		38/48	BLK		blk	M. sand w silt org fines		blk 1"			0	
	5					brn	M. sand tr. silt + c. sand					0	
	6											0	
	7					Light brn	tr. gravel					0	
	8		42/48									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB236
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					BLK	Dry fines in DRK brn silt, roots, grass		2"			0	
	2					brn	m. sand, tr/some silt + f. gravel		Silt-Rock Pipe			0	
	3					DRK brn	m. sand w silt		DRK brn 3"			0	
	4		42/48			brn	m. sand tr. silt c. sand, f. gravel					0	
	5											0	
	6											0	
	7											0	
	8		44/48			gry brn						0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT - SB237
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					BLK	Sand w Coal pieces		3"				
	2					gry brn	m. sand w silt		gry-brn 3" moist				
	3					D. brn blk			D. brn-blk-3" stained				
	4		38/48			brn	m. sand some silt tr. gravel/c. sand						
	5												
	6					tan brn							
	7												
	8		42/48										
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT- SB 238
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					BLK	Coal pieces w sand		3"			0	
	2					BRN	Med. Sand w silt tr. C. Sand + gravel					0	
	3					DRK BRN	↓					0	
	4		4" / 48	SERS		BRN	Med sand some silt		in blk stain			0	
	5											0	
	6											0	
	7						↓					0	
	8		48 / 48	DRK BRN		DRK BRN	Med sand w silt some roots					0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: N1610/CTO-004
DRILLING COMPANY: LVS, Inc.
DRILLING RIG: Geoprobe

BORING No.: FT-SB 239
DATE: 5-10-05
GEOLOGIST: Neb Dedic
DRILLER: Bob Allegrezza

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1					D. Brn gry	Loam, Roots grass		topsoil 2"			0	
	2					brn	M. sand some silt		moist			0	
	3											0	
	4		4" 48"			tan						0	
	5					yllw brn	M. sand tr. silt					0	
	6					tan						0	
	7											0	
	8		46 48"									0	
				EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.0

Converted to Well: Yes _____ No X Well I.D. #: _____

APPENDIX B

CHAIN OF CUSTODY FORMS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TETRA TECH NUS, Inc	Project Manager: Dave Brayack	Date: 3-24-05	Chain of Custody Number: 186716
Address:	Telephone Number (Area Code) Fax Number: (412) 921-8375	Lab Number:	Page 1 of 1
City / State / Zip Code:	Site Contact: 610 303-1893	Lab Contact:	
Project Name and Location (State): NWIRP Colverton, NY	Carrier/Waybill Number: FedEx # 8455 3266 4200		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC, 8260 Lab	SVOC Pest/PCB, Lab	Metals TCLP, Lab	Metals, 6010B, Lab	VOC, 8260B, Lab	Pest/PCB/SVOC, Lab	SVOC, 8270C, Lab					Special Instructions/ Conditions of Receipt
TB				X													2							trip blank Lab prepared
CALV-BOX 4	3-24-05	0915				X	4						2	1	1									
CA-FT-SW01	3-24-05	1040		X													3							
CA-FT-SW02	3-24-05	1045		X													3							
CA-FT-SW03	3-24-05	1050		X													3							
CA-FT-SW01-COMP	3-24-05	st 1055 ed 1100		X			3		1							1		1	2					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Neb Dedic	3-24-05	1515	1. Received By:		
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Tetra Tech NUS Inc.	Project Manager: Dave Brayack	Date: 5-3-05	Chain of Custody Number: 137560
Address:	Telephone Number (Area Code)/Fax Number: 412 921-9375	Lab Number:	Page 1 of 1
City: / State: / Zip Code:	Site Contact: 610 909-1893	Lab Contact:	
Project Name and Location (State): NWIPP Galeton NY	Carrier/Waybill Number: Fed Ex 8455 3266 4324		
Contract/Purchase Order/Quote No.: N1610 [illegible] 004			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): Volatiles 8260	Semivolatiles 8270C	Pesticides/PCBs 8081	Total Metals	Special Instructions/ Conditions of Receipt
FT-SS 209	5-3-05	1425				X	X						6	1	3	1	1	
FT-SS 211	5-3-05	1540				X	X						6	1	3	1	1	
FT-SS 212	5-3-05	1445				X	X						6	1	3	1	1	
FT-SS 214	5-3-05	1500				X	X						6	1	3	1	1	
FT-SS 215	5-3-05	1515				X	X						6	1	3	1	1	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By			1. Received By		
2. Relinquished By			2. Received By: Patrick R Daust	5/4/05	0930
3. Relinquished By			3. Received By		

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

7

(1 - 102)

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

Client	Tetra Tech NUS, Inc.
Address	
City / State / Zip Code	
Project Manager	Dave Berryack
Telephone Number (Area Code)/Fax Number	412 921-9375
Site Contact	610 909-1893
Lab Contact	
Project Name and Location (State)	NWIRP Calverton, NY
Carrier/Waybill Number	FedEx # 845532664313
Contract/Purchase Order/Quote No.	
Date	5-4-05
Lab Number	
Chain of Custody Number	187563
Page	1 of 2

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		8015 DRO w/ silica gel	8015 GRO w/ silica gel	8270 C PAH/PCB w/ silica gel	TAL Metals w/ silica gel	TCL VOA w/ silica gel	TCL VOA w/ silica gel	TCL VOA w/ silica gel							Special Instructions/ Conditions of Receipt
TB				X							2			2							2							trip blank has supplied
FT-SB-201-0305	5-4-05	0850				X		8						9	1	3	1	1	3									
FT-SB-201-1012	5-4-05	0910				X		4						4	1	3												
FT-SB-201-1516	5-4-05	0920				X		4						4	1	3												
FT-SB-202-0305	5-4-05	0955				X		9						9	1	3	1	1	3									
FT-SB-202-1112	5-4-05	1010				X		4						4	1	3												
FT-SB-203-0204	5-4-05	1030				X		9						9	1	3	1	1	3									
FT-SB-203-0608	5-4-05	1050				X		4						4	1	3												
FT-SB-203-1516	5-4-05	1100				X		4						4	1	3												
FT-SB-204-0204	5-4-05	1150				X		9						9	1	3	1	1	3									
FT-SB-204-0608	5-4-05	1200				X		4						4	1	3												
FT-SB-204-1416	5-4-05	1210												4	1	3												

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Nebojsa Radic	5-4-05	1800
2. Relinquished By		
3. Relinquished By		

	Date	Time
1. Received By		
2. Received By: Patrick R Faust	5/5/05	0915
3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

8

(1 - 204)

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Tetra Tech NUS, Inc.	Dave Brayack	5-4-05	187564
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 2
City / State / Zip Code	Site Contact: 610-909-1893	Lab Contact	
Project Name and Location (State): NWIRP Calverton, NY	Carrier/Waybill Number: FedEx # 845532664313		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		8015 DRO 4-oz jar	8015 GRO 40 mL vials	8270 SVOC PAH/PCB 4-oz jar	TAL metals 4-oz jar	TCL VOA 40 mL vials	TCL VOA 2-oz jar							Special Instructions/ Conditions of Receipt
FT-SB-207-0305	5-4-05	1245				X	9						9	1	3	1	1	3								
FT-SB-207-1012	5-4-05	1250				X	4						4	1	3											
FT-SB-207-1416	5-4-05	1300				X	4						4	1	3											
FT-SB-208-0204	5-4-05	1330				X	4						4	1	3											
FT-SB-208-1416	5-4-05	1340				X	4						4	1	3											
FT-SB-206-0506	5-4-05	1400				X	4						4	1	3											
FT-SB-206-1416	5-4-05	1410				X	4						4	1	3											
FT-SB-205-0305	5-4-05	1430				X	12						12	3	9											MS/MSD
DUP-050405-01	5-4-05	1200				X	9						9	1	3	1	1	3								
DUP-050405-02	5-4-05	1400				X	4						4	1	3											

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Robin Decker	5-4-05	1800	1. Received By		
2. Relinquished By			2. Received By: Patrick R Faust	5/5/05	0915
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Co

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Tetra Tech NUS, Inc.	Project Manager: Dave Benyack	Date: 5-5-05	Chain of Custody Number: 137562
Address	Telephone Number (Area Code)/Fax Number: 412 921-9375	Lab Number	Page ____ of ____
City / State / Zip Code	Site Contact: 610 909-1893	Lab Contact	
Project Name and Location (State): NWIRP Colverton, NY	Carrier/Waybill Number: FedEx # 8455 3266 4302		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): 8015 DRO 4oz 1 jar	8015 GRO encores	8260 BTEX encores	PAL Metals 4oz 1 jar	TCL VOA encores	TCL VOA 40ml	Special Instructions/ Conditions of Receipt
TB				X							3			3						3	trip blank lab supplied
FT-SB-210-0406	5-5-05	1030				X		6						6	1	3	1	1			
FT-SB-221-0406	5-5-05	1110				X		6						6	1	3	1	1			
FT-SB-219-0507	5-5-05	1130				X		6						6	1	3	1	1			
FT-SB-211-0305	5-5-05	1230				X		9						9	1	3	1	1	3		
FT-SB-213-0305	5-5-05	1345				X		27						27	3	9	3	3	9		
FT-SB-215-0305	5-5-05	1450				X		9						9	1	3	1	1	3		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: NCL Dedar	5-5-05	1800	1. Received By		
2. Relinquished By			2. Received By: Patrick R Dunst	5/6/05	1006
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Tetra Tech NUS, Inc.	Project Manager: Dave Banyack	Date: 5-6-05	Chain of Custody Number: 186904
Address	Telephone Number (Area Code)/Fax Number: 412 921-9375	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact: 610 909-1893	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number: FedEx # 8455 3266 4298		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): 8015 DRO 40 ml vial	8270C PAH/PCP RB 40 ml vial	TAL Metals 40 ml jar	TCL VOA 40 ml vial	TCL VOA 40 ml vial	8015 GRO 40 ml vial	TAL Metals 500 ml poly	PAH 1 liter amber	8015 DRO 1 liter amber	PCP/PCB 1 liter amber			Special Instructions/ Conditions of Receipt
TB				X							3			3					3								Trip blank lab supplied
FT-SB-226-0305	5-6-05	1150				X		6						6	1	1	1	3									
FT-SB-225-0305	5-6-05	0840				X		6						6	1	1	1	3									
FT-SB-209-0305	5-6-05	0950				X		6						6	1	1	1	3									
FT-SB-224-0305	5-6-05	0910				X		6						6	1	1	1	3									
DUP-050605-03	5-6-05	1200				X		6						6	1	1	1	3									
EB-050505	5-5-05	1600		X				7			5							12	3	2	1	2	2	2			*TAL Metals aq.
RB-050605	5-6-05	1230		X				7			5							12	3	2	1	2	2	2			need HNO3

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Neb Redo	5-6-05	1715	1. Received By: [signature]	05-07-05	1015
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

APPENDIX C

ANALYTICAL DATA

C.1 TPH – Surface Soil

C.2 TPH – Soil Boring

C.3 TPH – QA/QC

C.4 VOC, PAH, Pesticide/PCB, Metal – Surface Soil

C.5 VOC, PAH, Pesticide/PCB, Metal – Soil Boring

C.6 VOC, PAH, Pesticide/PCB, Metal – QA/QC

APPENDIX C.1

TPH – Surface Soil

Tetra Tech NUS, Inc

Client Sample ID: FT-SS209

GC Semivolatiles

Lot-Sample #...:	C5E040115-001	**Work Order #...:**	G9RCL1AD	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5131043	**Analysis Time..:**	16:16		
Dilution Factor:	10	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	6.8	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**480 B**	**110**	**mg/kg**	**2.6**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	22 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS209

GC Volatiles

Lot-Sample #...:	C5E040115-001	**Work Order #...:**	G9RCL1AE	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	13:25		
Dilution Factor:	0.91	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.8	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	98	ug/kg	27

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	109	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS211

GC Semivolatiles

Lot-Sample #...:	C5E040115-002	**Work Order #...:**	G9RCN1AN	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5131043	**Analysis Time..:**	14:50		
Dilution Factor:	20	**Initial Wgt/Vol:**	30.1 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	8.8	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**1100 B**	**220**	**mg/kg**	**5.3**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	20 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS211

GC Volatiles

Lot-Sample #...:	C5E040115-002	**Work Order #...:**	G9RCN1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	14:01		
Dilution Factor:	0.79	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	8.8	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	87	ug/kg	24

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	36	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS212

GC Semivolatiles

Lot-Sample #...:	C5E040115-003	**Work Order #...:**	G9RCP1AN	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5131043	**Analysis Time..:**	23:18		
Dilution Factor:	1	**Initial Wgt/Vol:**	30.04 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	4.8	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**18 B**	**11**	**mg/kg**	**0.25**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	24	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS212

GC Volatiles

Lot-Sample #...:	C5E040115-003	**Work Order #...:**	G9RCP1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	14:39		
Dilution Factor:	0.96	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.8	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/kg	28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	114	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS214

GC Semivolatiles

Lot-Sample #...:	C5E040115-004	Work Order #...:	G9RCR1AN	Matrix.....:	SOLID
Date Sampled...:	05/03/05	Date Received..:	05/04/05	MS Run #.....:	5131025
Prep Date.....:	05/11/05	Analysis Date..:	05/16/05		
Prep Batch #...:	5131043	Analysis Time..:	15:48		
Dilution Factor:	5	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	9.5	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	79 B	55	mg/kg	1.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	18 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS214

GC Volatiles

Lot-Sample #...:	C5E040115-004	**Work Order #...:**	G9RCR1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	
Prep Date.....:	05/16/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5138094	**Analysis Time..:**	17:03		
Dilution Factor:	0.79	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	9.5	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	87	ug/kg	24

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	95	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS215

GC Semivolatiles

Lot-Sample #...:	C5E040115-005	**Work Order #...:**	G9RCT1AN	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	16:26		
Dilution Factor:	10	**Initial Wgt/Vol:**	30.16 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	10	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**110 B**	**110**	**mg/kg**	**2.7**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	17 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS215

GC Volatiles

Lot-Sample #...:	C5E040115-005	**Work Order #...:**	G9RCT1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	15:55		
Dilution Factor:	0.85	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	10	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	95	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	107	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

APPENDIX C.2

TPH – Soil Boring

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-002	**Work Order #...:**	G9V971AD	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	06:55		
Dilution Factor:	200	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	11	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**4900 B**	**2200**	**mg/kg**	**54**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	116 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

GC Volatiles

Lot-Sample #...:	C5E050136-002	**Work Order #...:**	G9V972AE	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139230	**Analysis Time..:**	02:53		
Dilution Factor:	1.72	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**110000**	**9700**	**ug/kg**	**3300**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	39 DIL	(10 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

GC Volatiles

Lot-Sample #...:	C5E050136-002	**Work Order #...:**	G9V971AE	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	22:39		
Dilution Factor:	1.72	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**140000**	**9700**	**ug/kg**	**3300**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	41	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-1012

GC Semivolatiles

Lot-Sample #...:	C5E050136-003	Work Order #...:	G9WAC1AA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5130007
Prep Date.....:	05/10/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5130029	Analysis Time..:	07:24		
Dilution Factor:	200	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	6.6	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	3800 B	2100	mg/kg	51

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	0.0 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-1012

GC Volatiles

Lot-Sample #...:	C5E050136-003	**Work Order #...:**	G9WAC1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	12:02		
Dilution Factor:	1.04	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.6	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**19000**	**5600**	**ug/kg**	**1900**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	112	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-1516

GC Semivolatiles

Lot-Sample #...:	C5E050136-004	**Work Order #...:**	G9WAG1AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	07:54		
Dilution Factor:	100	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	13	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**2100 B**	**1200**	**mg/kg**	**28**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	0.0 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-1516

GC Volatiles

Lot-Sample #...:	C5E050136-004	**Work Order #...:**	G9WAG2AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139230	**Analysis Time..:**	19:50		
Dilution Factor:	9.17	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	13	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**120000**	**53000**	**ug/kg**	**18000**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	11 DIL	(10 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-1516

GC Volatiles

Lot-Sample #...:	C5E050136-004	**Work Order #...:**	G9WAG1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	23:55		
Dilution Factor:	9.17	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	13	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**120000**	**53000**	**ug/kg**	**18000**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	10	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-005	Work Order #...:	G9WAH1AP	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5130007
Prep Date.....:	05/10/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5130029	Analysis Time..:	08:22		
Dilution Factor:	10	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	20	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	130 B	120	mg/kg	3.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	18 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-0305

GC Volatiles

Lot-Sample #...:	C5E050136-005	**Work Order #...:**	G9WAH1AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	12:39		
Dilution Factor:	0.84	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	20	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5200	ug/kg	1800

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	107	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-1112

GC Semivolatiles

Lot-Sample #...:	C5E050136-006	Work Order #...:	G9WAT1AA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5130007
Prep Date.....:	05/10/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5130029	Analysis Time..:	09:21		
Dilution Factor:	10	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	16	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	400 B	120	mg/kg	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	17 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-1112

GC Volatiles

Lot-Sample #...:	C5E050136-006	**Work Order #...:**	G9WAT1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	13:17		
Dilution Factor:	0.93	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	16	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5500	ug/kg	1900

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	92	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0204

GC Semivolatiles

Lot-Sample #...:	C5E050136-007	**Work Order #...:**	G9WA11AP	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5130029	**Analysis Time..:**	01:19		
Dilution Factor:	500	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	17	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**11000 B**	**6000**	**mg/kg**	**140**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	0.0 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0204

GC Volatiles

Lot-Sample #...:	C5E050136-007	**Work Order #...:**	G9WA12AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139230	**Analysis Time..:**	03:32		
Dilution Factor:	8.28	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	17	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**79000**	**50000**	**ug/kg**	**17000**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	10 DIL	(10 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0204

GC Volatiles

Lot-Sample #...:	C5E050136-007	**Work Order #...:**	G9WA11AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	23:17		
Dilution Factor:	8.3	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	17	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**89000**	**50000**	**ug/kg**	**17000**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	10 DIL	(10 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0608

GC Semivolatiles

Lot-Sample #...:	C5E050136-008	Work Order #...:	G9WA61AA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5130007
Prep Date.....:	05/10/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5130029	Analysis Time..:	11:46		
Dilution Factor:	100	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	4.8	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	2100 B	1100	mg/kg	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	0.0 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0608

GC Volatiles

Lot-Sample #...:	C5E050136-008	**Work Order #...:**	G9WA61AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	13:54		
Dilution Factor:	1.02	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.8	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5400	ug/kg	1800

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	99	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-1516

GC Semivolatiles

Lot-Sample #...:	C5E050136-009	**Work Order #...:**	G9WA91AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	12:14		
Dilution Factor:	200	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	16	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**8400 B**	**2400**	**mg/kg**	**57**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	0.0 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-1516

GC Volatiles

Lot-Sample #...:	C5E050136-009	**Work Order #...:**	G9WA91AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	14:32		
Dilution Factor:	0.91	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	16	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5400	ug/kg	1800

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	89	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0204

GC Semivolatiles

Lot-Sample #...:	C5E050136-010	Work Order #...:	G9WCC1AP	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5130007
Prep Date.....:	05/10/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5130029	Analysis Time..:	03:38		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	6.3	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	23 B	11	mg/kg	0.26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	22	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0204

GC Volatiles

Lot-Sample #...:	C5E050136-010	**Work Order #...:**	G9WCC1AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	15:09		
Dilution Factor:	0.93	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.3	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5000	ug/kg	1700

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	97	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0608

GC Semivolatiles

Lot-Sample #...:	C5E050136-011	Work Order #...:	G9WCD1AA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5130007
Prep Date.....:	05/10/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5130029	Analysis Time..:	13:11		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	5.2	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	6.4 J,B	11	mg/kg	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	20	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0608

GC Volatiles

Lot-Sample #...:	C5E050136-011	**Work Order #...:**	G9WCD1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	15:45		
Dilution Factor:	1.02	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	5.2	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5400	ug/kg	1800

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	93	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-1416

GC Semivolatiles

Lot-Sample #...:	C5E050136-012	**Work Order #...:**	G9WCG1AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	13:41		
Dilution Factor:	200	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	15	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**8900 B**	**2400**	**mg/kg**	**57**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	0.0 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-1416

GC Volatiles

Lot-Sample #...:	C5E050136-012	**Work Order #...:**	G9WCG1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	16:22		
Dilution Factor:	0.91	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	15	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5400	ug/kg	1800

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	81	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

gtm
8-3-05

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-20~~6~~5-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-020	**Work Order #...:**	G9WC21AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	18:58		
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	6.3	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**11 B**	**11**	**mg/kg**	**0.26**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	23	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

gzm
8-3-05

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-205-0305

GC Volatiles

Lot-Sample #...:	C5E050136-020	**Work Order #...:**	G9WC21AE	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139231	**Analysis Time..:**	20:45		
Dilution Factor:	0.88	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.3	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	4700	ug/kg	1600

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	85	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-206-0506

GC Semivolatiles

Lot-Sample #...:	C5E050136-018	**Work Order #...:**	G9WCW1AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	18:00		
Dilution Factor:	50	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	8.8	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**1500 B**	**550**	**mg/kg**	**13**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	23 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-206-0506

GC Volatiles

Lot-Sample #...:	C5E050136-018	**Work Order #...:**	G9WCW1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139231	**Analysis Time..:**	19:28		
Dilution Factor:	0.88	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	8.8	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**13000**	**4800**	**ug/kg**	**1600**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	84	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-206-0506

GC Volatiles

Lot-Sample #...:	C5E050136-018	**Work Order #...:**	G9WCW2AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139231	**Analysis Time..:**	04:49		
Dilution Factor:	0.88	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	8.8	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**8600**	**4800**	**ug/kg**	**1600**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	80	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-206-1416

GC Semivolatiles

Lot-Sample #...:	C5E050136-019	**Work Order #...:**	G9WC01AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	18:28		
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	11	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**12 B**	**11**	**mg/kg**	**0.27**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	23	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-206-1416

GC Volatiles

Lot-Sample #...:	C5E050136-019	**Work Order #...:**	G9WC02AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139231	**Analysis Time..:**	05:27		
Dilution Factor:	1.07	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	6000	ug/kg	2100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	81	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-206-1416

GC Volatiles

Lot-Sample #...:	C5E050136-019	**Work Order #...:**	G9WC01AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139231	**Analysis Time..:**	20:06		
Dilution Factor:	1.08	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	6100	ug/kg	2100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	84	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-013	**Work Order #...:**	G9WCH1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	14:09		
Dilution Factor:	200	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	20	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**8400 B**	**2500**	**mg/kg**	**60**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	0.0 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-0305

GC Volatiles

Lot-Sample #...:	C5E050136-013	**Work Order #...:**	G9WCH1AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	16:58		
Dilution Factor:	0.96	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	20	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**36000**	**6000**	**ug/kg**	**2000**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	83	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-1012

GC Semivolatiles

Lot-Sample #...:	C5E050136-014	**Work Order #...:**	G9WCK1AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	14:38		
Dilution Factor:	50	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	18	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**3200 B**	**610**	**mg/kg**	**15**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	24 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-1012

GC Volatiles

Lot-Sample #...:	C5E050136-014	**Work Order #...:**	G9WCK1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/20/05		
Prep Batch #...:	5139230	**Analysis Time..:**	04:28		
Dilution Factor:	9.03	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	18	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	55000	ug/kg	19000

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	12 DIL	(10 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-1416

GC Semivolatiles

Lot-Sample #...:	C5E050136-015	**Work Order #...:**	G9WCM1AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	16:34		
Dilution Factor:	500	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	9.3	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**13000 B**	**5500**	**mg/kg**	**130**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	150 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-1416

GC Volatiles

Lot-Sample #...:	C5E050136-015	**Work Order #...:**	G9WCM1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/20/05		
Prep Batch #...:	5139230	**Analysis Time..:**	05:08		
Dilution Factor:	9.03	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	9.3	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**130000**	**50000**	**ug/kg**	**17000**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	9.8 DIL,*	(10 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-208-0204

GC Semivolatiles

Lot-Sample #...:	C5E050136-016	**Work Order #...:**	G9WCP1AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5130029	**Analysis Time..:**	17:03		
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	5.3	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**7.9 J,B**	**11**	**mg/kg**	**0.25**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	25	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-208-0204

GC Volatiles

Lot-Sample #...:	C5E050136-016	**Work Order #...:**	G9WCP1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139231	**Analysis Time..:**	17:35		
Dilution Factor:	0.95	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	5.3	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5000	ug/kg	1700

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	88	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-208-1416

GC Semivolatiles

Lot-Sample #...:	C5E050136-017	**Work Order #...:**	G9WCR2AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5137015
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5137025	**Analysis Time..:**	23:49		
Dilution Factor:	1	**Initial Wgt/Vol:**	30.03 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	13	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**30 B**	**11**	**mg/kg**	**0.27**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	15	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-208-1416

GC Volatiles

Lot-Sample #...:	C5E050136-017	**Work Order #...:**	G9WCR2AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139231	**Analysis Time..:**	04:10		
Dilution Factor:	0.86	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	13	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	4900	ug/kg	1700

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	77	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-208-1416

GC Volatiles

Lot-Sample #...:	C5E050136-017	**Work Order #...:**	G9WCR1AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139231	**Analysis Time..:**	18:50		
Dilution Factor:	0.86	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	13	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	4900	ug/kg	1700

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	82	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-209-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-004	**Work Order #...:**	G932G1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	13:30		
Dilution Factor:	1	**Initial Wgt/Vol:**	30.07 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	5.2	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**8.3 J,B**	**11**	**mg/kg**	**0.25**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	24	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-209-0305

GC Volatiles

Lot-Sample #...:	C5E070137-004	**Work Order #...:**	G932G1AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/13/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5136155	**Analysis Time..:**	13:58		
Dilution Factor:	0.92	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	5.2	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	97	ug/kg	27

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	116	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-210-0406

GC Semivolatiles

Lot-Sample #...:	C5E060132-002	**Work Order #...:**	G905C1AD	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	16:56		
Dilution Factor:	10	**Initial Wgt/Vol:**	30.04 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	5.3	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**290 B**	**110**	**mg/kg**	**2.5**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	8.1 DIL,*	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-210-0406

GC Volatiles

Lot-Sample #...:	C5E060132-002	**Work Order #...:**	G905C1AE	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5152026
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	16:33		
Dilution Factor:	0.98	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	5.3	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/kg	29

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	126	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-211-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-005	**Work Order #...:**	G905F1AD	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5131043	**Analysis Time..:**	06:15		
Dilution Factor:	50	**Initial Wgt/Vol:**	30.06 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	23	**Analyst ID.....:**	401840	**Instrument ID..:**	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**990 B**	**650**	**mg/kg**	**16**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	15 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-211-0305

GC Volatiles

Lot-Sample #...:	C5E060132-005	**Work Order #...:**	G905F1AE	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	
Prep Date.....:	05/07/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5139232	**Analysis Time..:**	16:43		
Dilution Factor:	1.87	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	23	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**64000**	**12000**	**ug/kg**	**4200**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	38 DIL	(10 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-211-0305

GC Volatiles

Lot-Sample #...:	C5E060132-005	**Work Order #...:**	G905F2AE	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	
Prep Date.....:	05/07/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139232	**Analysis Time..:**	00:57		
Dilution Factor:	1.86	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	23	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**33000**	**12000**	**ug/kg**	**4100**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	32 DIL	(10 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-213-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-006	**Work Order #...:**	G905H1CF	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	10:34		
Dilution Factor:	1	**Initial Wgt/Vol:**	30.04 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	4.2	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**21 B**	**10**	**mg/kg**	**0.25**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	19	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-213-0305

GC Volatiles

Lot-Sample #...:	C5E060132-006	**Work Order #...:**	G905H1CJ	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5152026
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	18:28		
Dilution Factor:	1.02	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.2	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	110	ug/kg	30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	118	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-215-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-007	**Work Order #...:**	G905L1AT	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	12:02		
Dilution Factor:	1	**Initial Wgt/Vol:**	30.09 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	4.0	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**7.4 J,B**	**10**	**mg/kg**	**0.25**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	26	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-215-0305

GC Volatiles

Lot-Sample #...:	C5E060132-007	**Work Order #...:**	G905L1AU	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5152026
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	19:07		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.0	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/kg	29

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	120	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-219-0507

GC Semivolatiles

Lot-Sample #...:	C5E060132-004	Work Order #...:	G905E1AN	Matrix.....:	SOLID
Date Sampled...:	05/05/05	Date Received..:	05/06/05	MS Run #.....:	5131025
Prep Date.....:	05/11/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5131043	Analysis Time..:	03:17		
Dilution Factor:	1	Initial Wgt/Vol:	30.1 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	6.4	Analyst ID.....:	401840	Instrument ID..:	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	32 B	11	mg/kg	0.26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	28	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-219-0507

GC Volatiles

Lot-Sample #...:	C5E060132-004	**Work Order #...:**	G905E1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5152026
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	17:50		
Dilution Factor:	0.98	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.4	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/kg	29

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	119	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-221-0406

GC Semivolatiles

Lot-Sample #...:	C5E060132-003	**Work Order #...:**	G905D1AN	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	10:04		
Dilution Factor:	1	**Initial Wgt/Vol:**	30.04 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	6.6	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**9.3 J,B**	**11**	**mg/kg**	**0.26**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	21	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-221-0406

GC Volatiles

Lot-Sample #...:	C5E060132-003	**Work Order #...:**	G905D1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5152026
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5138147	**Analysis Time..:**	17:12		
Dilution Factor:	0.86	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.6	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	92	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	121	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-224-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-005	**Work Order #...:**	G932H1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	13:59		
Dilution Factor:	1	**Initial Wgt/Vol:**	30.12 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	4.9	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**15 B**	**11**	**mg/kg**	**0.25**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	20	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-224-0305

GC Volatiles

Lot-Sample #...:	C5E070137-005	**Work Order #...:**	G932H1AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/13/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5136155	**Analysis Time..:**	14:34		
Dilution Factor:	0.97	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.9	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/kg	29

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	111	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-225-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-003	**Work Order #...:**	G932F1AP	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	13:00		
Dilution Factor:	50	**Initial Wgt/Vol:**	30.12 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	8.9	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**1200 B**	**550**	**mg/kg**	**13**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	19 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-225-0305

GC Volatiles

Lot-Sample #...:	C5E070137-003	**Work Order #...:**	G932F1AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/13/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5136155	**Analysis Time..:**	13:22		
Dilution Factor:	0.86	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	8.9	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	94	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	112	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-226-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-002	Work Order #...:	G93111AD	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5131025
Prep Date.....:	05/11/05	Analysis Date..:	05/23/05		
Prep Batch #...:	5131043	Analysis Time..:	23:52		
Dilution Factor:	2	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	14	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	46 B	23	mg/kg	0.56

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	14	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-226-0305

GC Volatiles

Lot-Sample #...:	C5E070137-002	**Work Order #...:**	G93111AE	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/13/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5136155	**Analysis Time..:**	12:46		
Dilution Factor:	0.86	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	14	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/kg	28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	113	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

APPENDIX C.3

TPH – QA/QC

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01

FT-SB-202-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-021	**Work Order #...:**	G9WC41AP	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5130007
Prep Date.....:	05/10/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5130029	**Analysis Time..:**	20:24		
Dilution Factor:	20	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	19	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**160 J,B**	**250**	**mg/kg**	**5.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	14 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01
FT-SB-202-0305

GC Volatiles

Lot-Sample #...:	C5E050136-021	**Work Order #...:**	G9WC42AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139230	**Analysis Time..:**	20:28		
Dilution Factor:	0.82	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	19	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5000	ug/kg	1700

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	73	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01

FT-SB-202-0305

GC Volatiles

Lot-Sample #...:	C5E050136-021	**Work Order #...:**	G9WC41AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	
Prep Date.....:	05/06/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5139230	**Analysis Time..:**	21:23		
Dilution Factor:	0.82	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	19	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	5000	ug/kg	1700

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	80	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-02

FT- SB -204-1416

GC Semivolatiles

Lot-Sample #...:	C5E050136-022	**Work Order #...:**	G9WC91AA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131025
Prep Date.....:	05/11/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5131043	**Analysis Time..:**	17:25		
Dilution Factor:	200	**Initial Wgt/Vol:**	30.05 g	**Final Wgt/Vol..:**	1 mL
% Moisture.....:	15	**Analyst ID.....:**	401840	**Instrument ID..:**	P6
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	**6000 B**	**2300**	**mg/kg**	**56**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	20 DIL	(10 - 110)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-02

FT-SB-204-1416

GC Volatiles

Lot-Sample #...:	C5E050136-022	**Work Order #...:**	G9WC92AC	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5139153
Prep Date.....:	05/06/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5139231	**Analysis Time..:**	21:06		
Dilution Factor:	0.89	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	15	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**27000**	**5200**	**ug/kg**	**1800**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	80	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-02

FT-SB-204-1416

GC Volatiles

Lot-Sample #...:	C5E050136-022	Work Order #...:	G9WC91AC	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5139153
Prep Date.....:	05/06/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5139231	Analysis Time..:	22:01		
Dilution Factor:	0.89	Initial Wgt/Vol:	5 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	15	Analyst ID.....:	001616	Instrument ID..:	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	**18000**	**5200**	**ug/kg**	**1800**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	80	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050605-03
FT-SB-224-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-006	Work Order #...:	G932J2AP	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5137015
Prep Date.....:	05/17/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5137025	Analysis Time..:	00:17		
Dilution Factor:	1	Initial Wgt/Vol:	30.04 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	4.5	Analyst ID.....:	401840	Instrument ID..:	P7
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	6.4 J,B	10	mg/kg	0.25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	12	(10 - 110)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050605-03
FT-SB-224-0305

GC Volatiles

Lot-Sample #...:	C5E070137-006	**Work Order #...:**	G932J1AQ	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/13/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5136155	**Analysis Time..:**	15:11		
Dilution Factor:	0.98	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.5	**Analyst ID.....:**	001616	**Instrument ID..:**	A
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/kg	29

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	114	(10 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FB-050505

GC Semivolatiles

Lot-Sample #...:	C5E070137-007	**Work Order #...:**	G932K1A6	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/13/05	**Analysis Date..:**	05/15/05		
Prep Batch #...:	5133042	**Analysis Time..:**	02:13		
Dilution Factor:	1	**Initial Wgt/Vol:**	1040 mL	**Final Wgt/Vol..:**	1 mL
Analyst ID.....:	401840	**Instrument ID..:**	P7		
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	ND	100	ug/L	14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	27	(10 - 110)

Tetra Tech NUS, Inc

Client Sample ID: FB-050505

GC Volatiles

Lot-Sample #...:	C5E070137-007	**Work Order #...:**	G932K1A7	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/13/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5136157	**Analysis Time..:**	18:21		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	001616	**Instrument ID..:**	A		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/L	28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	115	(10 - 150)

Tetra Tech NUS, Inc

Client Sample ID: RB-050605

GC Semivolatiles

Lot-Sample #...:	C5E070137-008	Work Order #...:	G932V1AH	Matrix.....:	WATER
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	
Prep Date.....:	05/13/05	Analysis Date..:	05/15/05		
Prep Batch #...:	5133042	Analysis Time..:	02:42		
Dilution Factor:	1	Initial Wgt/Vol:	1050 mL	Final Wgt/Vol..:	1 mL
Analyst ID.....:	401840	Instrument ID..:	P7		
		Method.....:	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Diesel)	20 J	100	ug/L	14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
C9 (nonane)	33	(10 - 110)

NOTE(S):

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: RB-050605

GC Volatiles

Lot-Sample #...:	C5E070137-008	**Work Order #...:**	G932V1AJ	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/13/05	**Analysis Date..:**	05/13/05		
Prep Batch #...:	5136157	**Analysis Time..:**	19:40		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	001616	**Instrument ID..:**	A		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH (as Gasoline)	ND	100	ug/L	28

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	118	(10 - 150)

APPENDIX C.4

VOC, PAH, Pesticide/PCB, Metal – Surface Soil

Tetra Tech NUS, Inc

Client Sample ID: FT-SS209

HPLC

Lot-Sample #...:	C5E040115-001	Work Order #...:	G9RCL1A9	Matrix.....:	SOLID
Date Sampled...:	05/03/05	Date Received..:	05/04/05	MS Run #.....:	5130321
Prep Date.....:	05/10/05	Analysis Date..:	05/13/05		
Prep Batch #...:	5130579	Analysis Time..:	18:32		
Dilution Factor:	30	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	6.8	Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	1100	ug/kg	110
Acenaphthylene	ND	1100	ug/kg	96
Acenaphthene	ND	1100	ug/kg	240
Fluorene	110 J	220	ug/kg	58
Phenanthrene	1100	220	ug/kg	14
Anthracene	230	220	ug/kg	15
Fluoranthene	1600	220	ug/kg	18
Pyrene	1200 PG	220	ug/kg	14
Benzo(a)anthracene	730	220	ug/kg	18
Chrysene	720	220	ug/kg	18
Benzo(b)fluoranthene	660	220	ug/kg	25
Benzo(k)fluoranthene	430	220	ug/kg	21
Benzo(a)pyrene	700	220	ug/kg	19
Indeno(1,2,3-cd)pyrene	580	220	ug/kg	14
Dibenzo(a,h)anthracene	160 J,PG	220	ug/kg	34
Benzo(ghi)perylene	470 PG	220	ug/kg	18

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	NC,DIL	(49 - 129)
Terphenyl-d14	NC,DIL	(54 - 126)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS209

GC Semivolatiles

Lot-Sample #...: C5E040115-001	**Work Order #...:** G9RCL1A7	**Matrix.....:** SOLID
Date Sampled...: 05/03/05	**Date Received..:** 05/04/05	**MS Run #.....:** 5131028
Prep Date.....: 05/11/05	**Analysis Date..:** 05/19/05	
Prep Batch #...: 5131054	**Analysis Time..:** 18:33	
Dilution Factor: 10	**Initial Wgt/Vol:** 15 g	**Final Wgt/Vol..:** 5 mL
% Moisture.....: 6.8	**Analyst ID.....:** 402331	**Instrument ID..:** M/N
	Method.....: SW846 8081A	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	18	ug/kg	1.5
beta-BHC	ND	18	ug/kg	2.4
delta-BHC	ND	18	ug/kg	2.0
gamma-BHC (Lindane)	ND	18	ug/kg	1.5
Heptachlor	ND	18	ug/kg	1.7
Aldrin	ND	18	ug/kg	2.3
Heptachlor epoxide	ND	18	ug/kg	2.2
Endosulfan I	ND	18	ug/kg	1.8
Dieldrin	**4.5 J,PG**	**18**	**ug/kg**	**1.7**
4,4'-DDE	**6.2 J**	**18**	**ug/kg**	**2.2**
Endrin	ND	18	ug/kg	1.8
Endrin ketone	ND	18	ug/kg	2.3
Endrin aldehyde	ND	18	ug/kg	3.9
Endosulfan II	ND	18	ug/kg	2.8
4,4'-DDD	**4.0 J,PG**	**18**	**ug/kg**	**1.8**
Endosulfan sulfate	ND	18	ug/kg	2.5
4,4'-DDT	ND	18	ug/kg	1.9
Methoxychlor	ND	35	ug/kg	3.9
alpha-Chlordane	**6.1 J**	**18**	**ug/kg**	**2.3**
gamma-Chlordane	**3.3 J,PG**	**18**	**ug/kg**	**2.3**
Toxaphene	ND	720	ug/kg	24

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(31 - 131)
Decachlorobiphenyl	NC,DIL	(18 - 145)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS209

GC Semivolatiles

Lot-Sample #...:	C5E040115-001	**Work Order #...:**	G9RCL1A8	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	22:46		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.8	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	14
Aroclor 1232	ND	35	ug/kg	17
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	ND	35	ug/kg	4.7
Aroclor 1260	**1000**	**35**	**ug/kg**	**4.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(31 - 127)
Decachlorobiphenyl	84	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCL **Client ID:** FT-SS209

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 6.789

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	2.7	21.5	2300		1	ICPST	5/19/2005	21:48
Antimony	220.35	0.33	1.1	0.46	B	1	ICPST	5/19/2005	21:48
Arsenic	189.04	0.16	1.1	2.1		1	ICPST	5/19/2005	21:48
Barium	493.41	0.062	21.5	21.2	B	1	ICPST	5/19/2005	21:48
Beryllium	313.04	0.048	0.43	0.10	B	1	ICPST	5/19/2005	21:48
Cadmium	226.50	0.025	0.54	0.51	B	1	ICPST	5/19/2005	21:48
Calcium	317.93	0.88	536	192	B	1	ICPST	5/19/2005	21:48
Chromium	267.72	0.067	0.54	13.7		1	ICPST	5/19/2005	21:48
Cobalt	228.62	0.049	5.4	0.58	B	1	ICPST	5/19/2005	21:48
Copper	324.75	0.14	2.7	10.4		1	ICPST	5/19/2005	21:48
Iron	271.44	1.4	10.7	2940		1	ICPST	5/19/2005	21:48
Lead	220.35	0.15	0.32	41.4		1	ICPST	5/24/2005	13:28
Magnesium	279.08	1.0	536	191	B	1	ICPST	5/19/2005	21:48
Manganese	257.61	0.020	1.6	21.8		1	ICPST	5/19/2005	21:48
Nickel	231.60	0.13	4.3	1.7	B	1	ICPST	5/19/2005	21:48
Potassium	766.49	7.2	536	68.3	B	1	ICPST	5/19/2005	21:48
Selenium	220.35	0.27	0.54	0.76		1	ICPST	5/19/2005	21:48
Silver	328.07	0.071	0.54	0.19	B	1	ICPST	5/19/2005	21:48
Sodium	330.23	13.9	536	286	B	1	ICPST	5/19/2005	21:48
Thallium	190.86	0.35	1.1	0.35	U	1	ICPST	5/19/2005	21:48
Vanadium	292.40	0.12	5.4	7.5	E	1	ICPST	5/19/2005	21:48
Zinc	213.86	0.049	2.1	33.6		1	ICPST	5/19/2005	21:48

Comments: Lot #: C5E040115 Sample #: 1

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCL **Client ID:** FT-SS209

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/9/2005 **Prep Batch:** 5129016

Weight: .6 **Volume:** 100 **Percent Moisture:** 6.789

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.036	0.070		1	CVAA	5/9/2005	9:45

Comments: Lot #: C5E040115 Sample #: 1

04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SS211

HPLC

Lot-Sample #...:	C5E040115-002	Work Order #...:	G9RCN1A9	Matrix.....:	SOLID
Date Sampled...:	05/03/05	Date Received..:	05/04/05	MS Run #.....:	5130321
Prep Date.....:	05/10/05	Analysis Date..:	05/13/05		
Prep Batch #...:	5130579	Analysis Time..:	21:34		
Dilution Factor:	500	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	8.8	Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	18000	ug/kg	1900
Acenaphthylene	ND	18000	ug/kg	1600
Acenaphthene	ND	18000	ug/kg	4000
Fluorene	**2800 J**	**3700**	**ug/kg**	**990**
Phenanthrene	**20000**	**3700**	**ug/kg**	**240**
Anthracene	**3600 J**	**3700**	**ug/kg**	**250**
Fluoranthene	**30000**	**3700**	**ug/kg**	**300**
Pyrene	**31000**	**3700**	**ug/kg**	**240**
Benzo(a)anthracene	**13000**	**3700**	**ug/kg**	**310**
Chrysene	**12000**	**3700**	**ug/kg**	**310**
Benzo(b)fluoranthene	**11000**	**3700**	**ug/kg**	**430**
Benzo(k)fluoranthene	**7200**	**3700**	**ug/kg**	**360**
Benzo(a)pyrene	**12000**	**3700**	**ug/kg**	**330**
Indeno(1,2,3-cd)pyrene	**7700**	**3700**	**ug/kg**	**250**
Dibenzo(a,h)anthracene	**1800 J,PG**	**3700**	**ug/kg**	**570**
Benzo(ghi)perylene	**7400 PG**	**3700**	**ug/kg**	**310**
2-Methylnaphthalene	ND	18000	ug/kg	1400

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	NC,DIL	(49 - 129)
Terphenyl-d14	NC,DIL	(54 - 126)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS211

GC Semivolatiles

Lot-Sample #...:	C5E040115-002	Work Order #...:	G9RCN1AJ	Matrix.....:	SOLID
Date Sampled...:	05/03/05	Date Received..:	05/04/05	MS Run #.....:	5131028
Prep Date.....:	05/11/05	Analysis Date..:	05/19/05		
Prep Batch #...:	5131054	Analysis Time..:	19:04		
Dilution Factor:	100	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	8.8	Analyst ID.....:	402331	Instrument ID..:	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	190	ug/kg	16
beta-BHC	ND	190	ug/kg	24
delta-BHC	**120 J,PG**	**190**	**ug/kg**	**20**
gamma-BHC (Lindane)	ND	190	ug/kg	15
Heptachlor	ND	190	ug/kg	18
Aldrin	ND	190	ug/kg	23
Heptachlor epoxide	ND	190	ug/kg	22
Endosulfan I	ND	190	ug/kg	18
Dieldrin	ND	190	ug/kg	18
4,4'-DDE	**88 J,PG**	**190**	**ug/kg**	**23**
Endrin	ND	190	ug/kg	18
Endrin ketone	ND	190	ug/kg	24
Endrin aldehyde	ND	190	ug/kg	40
Endosulfan II	ND	190	ug/kg	28
4,4'-DDD	ND	190	ug/kg	18
Endosulfan sulfate	ND	190	ug/kg	25
4,4'-DDT	ND	190	ug/kg	20
Methoxychlor	ND	360	ug/kg	40
alpha-Chlordane	ND	190	ug/kg	24
gamma-Chlordane	ND	190	ug/kg	23
Toxaphene	ND	7300	ug/kg	250

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(31 - 131)
Decachlorobiphenyl	NC,DIL	(18 - 145)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS211

GC Semivolatiles

Lot-Sample #...:	C5E040115-002	**Work Order #...:**	G9RCN1AK	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	23:07		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	8.8	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	36	ug/kg	29
Aroclor 1221	ND	36	ug/kg	14
Aroclor 1232	ND	36	ug/kg	17
Aroclor 1242	ND	36	ug/kg	12
Aroclor 1248	ND	36	ug/kg	13
Aroclor 1254	ND	36	ug/kg	4.8
Aroclor 1260	**190**	**36**	**ug/kg**	**4.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	61	(31 - 127)
Decachlorobiphenyl	44	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCN **Client ID:** FT-SS211

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 8.775

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	2.8	21.9	3380		1	ICPST	5/19/2005	22:21
Antimony	220.35	0.34	1.1	0.34	U	1	ICPST	5/19/2005	22:21
Arsenic	189.04	0.16	1.1	2.5		1	ICPST	5/19/2005	22:21
Barium	493.41	0.064	21.9	11.3	B	1	ICPST	5/19/2005	22:21
Beryllium	313.04	0.049	0.44	0.049	U	1	ICPST	5/19/2005	22:21
Cadmium	226.50	0.025	0.55	0.35	B	1	ICPST	5/19/2005	22:21
Calcium	317.93	0.90	548	2130		1	ICPST	5/19/2005	22:21
Chromium	267.72	0.068	0.55	6.8		1	ICPST	5/19/2005	22:21
Cobalt	228.62	0.050	5.5	0.88	B	1	ICPST	5/19/2005	22:21
Copper	324.75	0.14	2.7	6.8		1	ICPST	5/19/2005	22:21
Iron	271.44	1.4	11.0	3280		1	ICPST	5/19/2005	22:21
Lead	220.35	0.15	0.33	15.2		1	ICPST	5/24/2005	13:51
Magnesium	279.08	1.1	548	1260		1	ICPST	5/19/2005	22:21
Manganese	257.61	0.021	1.6	31.0		1	ICPST	5/19/2005	22:21
Nickel	231.60	0.13	4.4	2.4	B	1	ICPST	5/19/2005	22:21
Potassium	766.49	7.4	548	83.6	B	1	ICPST	5/19/2005	22:21
Selenium	220.35	0.27	0.55	0.75		1	ICPST	5/19/2005	22:21
Silver	328.07	0.072	0.55	0.27	B	1	ICPST	5/19/2005	22:21
Sodium	330.23	14.3	548	259	B	1	ICPST	5/19/2005	22:21
Thallium	190.86	0.36	1.1	0.36	U	1	ICPST	5/19/2005	22:21
Vanadium	292.40	0.12	5.5	7.6	E	1	ICPST	5/19/2005	22:21
Zinc	213.86	0.050	2.2	19.0		1	ICPST	5/19/2005	22:21

Comments: Lot #: C5E040115 Sample #: 2

.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCN **Client ID:** FT-SS211

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/9/2005 **Prep Batch:** 5129016

Weight: .6 **Volume:** 100 **Percent Moisture:** 8.775

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0031	0.037	0.023	B	1	CVAA	5/9/2005	9:47

Comments: Lot #: C5E040115 Sample #: 2

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SS212

HPLC

Lot-Sample #...:	C5E040115-003	Work Order #...:	G9RCP1A9	Matrix.....:	SOLID
Date Sampled...:	05/03/05	Date Received..:	05/04/05	MS Run #.....:	5130321
Prep Date.....:	05/10/05	Analysis Date..:	05/12/05		
Prep Batch #...:	5130579	Analysis Time..:	16:45		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	4.8	Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	35	ug/kg	3.5
Acenaphthylene	4.8 J	35	ug/kg	3.1
Acenaphthene	ND	35	ug/kg	7.7
Fluorene	2.3 J	7.0	ug/kg	1.9
Phenanthrene	16	7.0	ug/kg	0.45
Anthracene	2.9 J	7.0	ug/kg	0.48
Fluoranthene	32	7.0	ug/kg	0.57
Pyrene	33	7.0	ug/kg	0.47
Benzo(a)anthracene	18	7.0	ug/kg	0.60
Chrysene	17	7.0	ug/kg	0.59
Benzo(b)fluoranthene	18	7.0	ug/kg	0.83
Benzo(k)fluoranthene	11	7.0	ug/kg	0.69
Benzo(a)pyrene	17	7.0	ug/kg	0.63
Indeno(1,2,3-cd)pyrene	13	7.0	ug/kg	0.47
Dibenzo(a,h)anthracene	ND	7.0	ug/kg	1.1
Benzo(ghi)perylene	15 PG	7.0	ug/kg	0.59
2-Methylnaphthalene	ND	35	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	101	(49 - 129)
Terphenyl-d14	88	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS212

GC Semivolatiles

Lot-Sample #...:	C5E040115-003	**Work Order #...:**	G9RCP1AJ	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	19:34		
Dilution Factor:	2	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.8	**Analyst ID.....:**	402331	**Instrument ID..:**	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	3.6	ug/kg	0.30
beta-BHC	ND	3.6	ug/kg	0.47
delta-BHC	ND	3.6	ug/kg	0.38
gamma-BHC (Lindane)	ND	3.6	ug/kg	0.30
Heptachlor	ND	3.6	ug/kg	0.34
Aldrin	ND	3.6	ug/kg	0.44
Heptachlor epoxide	ND	3.6	ug/kg	0.43
Endosulfan I	ND	3.6	ug/kg	0.34
Dieldrin	ND	3.6	ug/kg	0.34
4,4'-DDE	**1.6 J,PG**	**3.6**	**ug/kg**	**0.44**
Endrin	**0.64 J,PG**	**3.6**	**ug/kg**	**0.35**
Endrin ketone	ND	3.6	ug/kg	0.46
Endrin aldehyde	**0.99 J,PG**	**3.6**	**ug/kg**	**0.76**
Endosulfan II	**2.5 J,PG**	**3.6**	**ug/kg**	**0.55**
4,4'-DDD	**1.0 J**	**3.6**	**ug/kg**	**0.34**
Endosulfan sulfate	ND	3.6	ug/kg	0.48
4,4'-DDT	**4.3 PG**	**3.6**	**ug/kg**	**0.38**
Methoxychlor	ND	6.9	ug/kg	0.77
alpha-Chlordane	**1.7 J,PG**	**3.6**	**ug/kg**	**0.46**
gamma-Chlordane	**0.83 J,PG**	**3.6**	**ug/kg**	**0.44**
Toxaphene	ND	140	ug/kg	4.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(31 - 131)
Decachlorobiphenyl	93	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS212

GC Semivolatiles

Lot-Sample #...:	C5E040115-003	**Work Order #...:**	G9RCP1AK	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	23:29		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.8	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	13
Aroclor 1232	ND	35	ug/kg	17
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	**67**	**35**	**ug/kg**	**4.6**
Aroclor 1260	**40**	**35**	**ug/kg**	**3.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	54	(31 - 127)
Decachlorobiphenyl	72	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCP **Client ID:** FT-SS212

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 4.779

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**2.7**	**21.0**	**3580**		**1**	**ICPST**	**5/19/2005**	**22:26**
Antimony	220.35	0.33	1.1	0.33	U	1	ICPST	5/19/2005	22:26
Arsenic	**189.04**	**0.16**	**1.1**	**0.79**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Barium	**493.41**	**0.061**	**21.0**	**5.1**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Beryllium	313.04	0.047	0.42	0.047	U	1	ICPST	5/19/2005	22:26
Cadmium	**226.50**	**0.024**	**0.53**	**0.039**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Calcium	**317.93**	**0.86**	**525**	**42.1**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Chromium	**267.72**	**0.065**	**0.53**	**4.5**		**1**	**ICPST**	**5/19/2005**	**22:26**
Cobalt	**228.62**	**0.048**	**5.3**	**0.51**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Copper	**324.75**	**0.14**	**2.6**	**2.4**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Iron	**271.44**	**1.4**	**10.5**	**2980**		**1**	**ICPST**	**5/19/2005**	**22:26**
Lead	**220.35**	**0.15**	**0.32**	**5.2**		**1**	**ICPST**	**5/24/2005**	**13:56**
Magnesium	**279.08**	**1.0**	**525**	**220**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Manganese	**257.61**	**0.020**	**1.6**	**15.6**		**1**	**ICPST**	**5/19/2005**	**22:26**
Nickel	**231.60**	**0.13**	**4.2**	**1.5**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Potassium	**766.49**	**7.1**	**525**	**75.5**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Selenium	220.35	0.26	0.53	0.26	U	1	ICPST	5/19/2005	22:26
Silver	328.07	0.069	0.53	0.069	U	1	ICPST	5/19/2005	22:26
Sodium	**330.23**	**13.7**	**525**	**276**	**B**	**1**	**ICPST**	**5/19/2005**	**22:26**
Thallium	190.86	0.35	1.1	0.35	U	1	ICPST	5/19/2005	22:26
Vanadium	**292.40**	**0.12**	**5.3**	**6.9**	**E**	**1**	**ICPST**	**5/19/2005**	**22:26**
Zinc	**213.86**	**0.048**	**2.1**	**6.1**		**1**	**ICPST**	**5/19/2005**	**22:26**

Comments: Lot #: C5E040115 Sample #: 3

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCP **Client ID:** FT-SS212

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/9/2005 **Prep Batch:** 5129016

Weight: .6 **Volume:** 100 **Percent Moisture:** 4.779

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.035	0.012	B	1	CVAA	5/9/2005	9:49

Comments: Lot #: C5E040115 Sample #: 3

04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SS214

HPLC

Lot-Sample #...:	C5E040115-004	**Work Order #...:**	G9RCR1A9	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5130321
Prep Date.....:	05/10/05	**Analysis Date..:**	05/12/05		
Prep Batch #...:	5130579	**Analysis Time..:**	17:45		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	9.5	**Method.....:**	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**11 J,PG**	**36**	**ug/kg**	**3.7**
Acenaphthylene	**35 J**	**36**	**ug/kg**	**3.3**
Acenaphthene	ND	36	ug/kg	8.1
Fluorene	ND	7.4	ug/kg	2.0
Phenanthrene	**24**	**7.4**	**ug/kg**	**0.48**
Anthracene	**1.1 J**	**7.4**	**ug/kg**	**0.50**
Fluoranthene	**10 PG**	**7.4**	**ug/kg**	**0.60**
Pyrene	**12 PG**	**7.4**	**ug/kg**	**0.49**
Benzo(a)anthracene	**5.6 J**	**7.4**	**ug/kg**	**0.63**
Chrysene	**8.6**	**7.4**	**ug/kg**	**0.62**
Benzo(b)fluoranthene	**17**	**7.4**	**ug/kg**	**0.87**
Benzo(k)fluoranthene	**7.0 J**	**7.4**	**ug/kg**	**0.72**
Benzo(a)pyrene	**5.3 J**	**7.4**	**ug/kg**	**0.66**
Indeno(1,2,3-cd)pyrene	**18**	**7.4**	**ug/kg**	**0.50**
Dibenzo(a,h)anthracene	**7.9 PG**	**7.4**	**ug/kg**	**1.2**
Benzo(ghi)perylene	**13 PG**	**7.4**	**ug/kg**	**0.62**
2-Methylnaphthalene	**44**	**36**	**ug/kg**	**2.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	92	(49 - 129)
Terphenyl-d14	79	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS214

GC Semivolatiles

Lot-Sample #...:	C5E040115-004	Work Order #...:	G9RCR1AJ	Matrix.....:	SOLID
Date Sampled...:	05/03/05	Date Received..:	05/04/05	MS Run #.....:	5131028
Prep Date.....:	05/11/05	Analysis Date..:	05/19/05		
Prep Batch #...:	5131054	Analysis Time..:	20:06		
Dilution Factor:	2	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	9.5	Analyst ID.....:	402331	Instrument ID..:	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	3.8	ug/kg	0.32
beta-BHC	ND	3.8	ug/kg	0.49
delta-BHC	ND	3.8	ug/kg	0.40
gamma-BHC (Lindane)	ND	3.8	ug/kg	0.31
Heptachlor	ND	3.8	ug/kg	0.36
Aldrin	ND	3.8	ug/kg	0.47
Heptachlor epoxide	ND	3.8	ug/kg	0.45
Endosulfan I	ND	3.8	ug/kg	0.36
Dieldrin	**1.0 J,PG**	**3.8**	**ug/kg**	**0.36**
4,4'-DDE	**1.3 J,PG**	**3.8**	**ug/kg**	**0.46**
Endrin	ND	3.8	ug/kg	0.37
Endrin ketone	ND	3.8	ug/kg	0.48
Endrin aldehyde	ND	3.8	ug/kg	0.80
Endosulfan II	ND	3.8	ug/kg	0.57
4,4'-DDD	**2.1 J,PG**	**3.8**	**ug/kg**	**0.36**
Endosulfan sulfate	ND	3.8	ug/kg	0.51
4,4'-DDT	**35**	**3.8**	**ug/kg**	**0.40**
Methoxychlor	ND	7.3	ug/kg	0.81
alpha-Chlordane	**1.4 J**	**3.8**	**ug/kg**	**0.48**
gamma-Chlordane	**0.77 J,PG**	**3.8**	**ug/kg**	**0.47**
Toxaphene	ND	150	ug/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(31 - 131)
Decachlorobiphenyl	92	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS214

GC Semivolatiles

Lot-Sample #...:	C5E040115-004	**Work Order #...:**	G9RCR1AK	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	23:51		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	9.5	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	36	ug/kg	29
Aroclor 1221	ND	36	ug/kg	14
Aroclor 1232	ND	36	ug/kg	17
Aroclor 1242	ND	36	ug/kg	12
Aroclor 1248	ND	36	ug/kg	13
Aroclor 1254	ND	36	ug/kg	4.9
Aroclor 1260	**730**	**36**	**ug/kg**	**4.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	64	(31 - 127)
Decachlorobiphenyl	75	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCR **Client ID:** FT-SS214

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 9.524

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**2.8**	**22.1**	**4720**		**1**	**ICPST**	**5/19/2005**	**22:32**
Antimony	220.35	0.34	1.1	0.34	U	1	ICPST	5/19/2005	22:32
Arsenic	**189.04**	**0.17**	**1.1**	**2.0**		**1**	**ICPST**	**5/19/2005**	**22:32**
Barium	**493.41**	**0.064**	**22.1**	**15.7**	**B**	**1**	**ICPST**	**5/19/2005**	**22:32**
Beryllium	**313.04**	**0.050**	**0.44**	**0.15**	**B**	**1**	**ICPST**	**5/19/2005**	**22:32**
Cadmium	**226.50**	**0.025**	**0.55**	**0.19**	**B**	**1**	**ICPST**	**5/19/2005**	**22:32**
Calcium	**317.93**	**0.91**	**553**	**153**	**B**	**1**	**ICPST**	**5/19/2005**	**22:32**
Chromium	**267.72**	**0.069**	**0.55**	**9.1**		**1**	**ICPST**	**5/19/2005**	**22:32**
Cobalt	**228.62**	**0.051**	**5.5**	**3.3**	**B**	**1**	**ICPST**	**5/19/2005**	**22:32**
Copper	**324.75**	**0.14**	**2.8**	**6.0**		**1**	**ICPST**	**5/19/2005**	**22:32**
Iron	**271.44**	**1.4**	**11.1**	**5990**		**1**	**ICPST**	**5/19/2005**	**22:32**
Lead	**220.35**	**0.15**	**0.33**	**14.3**		**1**	**ICPST**	**5/24/2005**	**14:02**
Magnesium	**279.08**	**1.1**	**553**	**811**		**1**	**ICPST**	**5/19/2005**	**22:32**
Manganese	**257.61**	**0.021**	**1.7**	**156**		**1**	**ICPST**	**5/19/2005**	**22:32**
Nickel	**231.60**	**0.13**	**4.4**	**5.1**		**1**	**ICPST**	**5/19/2005**	**22:32**
Potassium	**766.49**	**7.4**	**553**	**192**	**B**	**1**	**ICPST**	**5/19/2005**	**22:32**
Selenium	**220.35**	**0.28**	**0.55**	**0.31**	**B**	**1**	**ICPST**	**5/19/2005**	**22:32**
Silver	328.07	0.073	0.55	0.073	U	1	ICPST	5/19/2005	22:32
Sodium	**330.23**	**14.4**	**553**	**220**	**B**	**1**	**ICPST**	**5/19/2005**	**22:32**
Thallium	190.86	0.36	1.1	0.36	U	1	ICPST	5/19/2005	22:32
Vanadium	**292.40**	**0.12**	**5.5**	**10.8**	**E**	**1**	**ICPST**	**5/19/2005**	**22:32**
Zinc	**213.86**	**0.051**	**2.2**	**18.3**		**1**	**ICPST**	**5/19/2005**	**22:32**

Comments: Lot #: C5E040115 Sample #: 4

.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCR **Client ID:** FT-SS214

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/9/2005 **Prep Batch:** 5129016

Weight: .6 **Volume:** 100 **Percent Moisture:** 9.524

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0031	0.037	0.017	B	1	CVAA	5/9/2005	9:50

Comments: Lot #: C5E040115 Sample #: 4

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SS215

HPLC

Lot-Sample #...:	C5E040115-005	Work Order #...:	G9RCT1A9	Matrix.....:	SOLID
Date Sampled...:	05/03/05	Date Received..:	05/04/05	MS Run #.....:	5130321
Prep Date.....:	05/10/05	Analysis Date..:	05/12/05		
Prep Batch #...:	5130579	Analysis Time..:	18:26		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	10	Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	37	ug/kg	3.8
Acenaphthylene	**20 J**	**37**	**ug/kg**	**3.3**
Acenaphthene	ND	37	ug/kg	8.1
Fluorene	ND	7.5	ug/kg	2.0
Phenanthrene	**30**	**7.5**	**ug/kg**	**0.48**
Anthracene	**3.3 J**	**7.5**	**ug/kg**	**0.51**
Fluoranthene	**80**	**7.5**	**ug/kg**	**0.61**
Pyrene	**100**	**7.5**	**ug/kg**	**0.50**
Benzo(a)anthracene	**50**	**7.5**	**ug/kg**	**0.63**
Chrysene	**51**	**7.5**	**ug/kg**	**0.63**
Benzo(b)fluoranthene	**60**	**7.5**	**ug/kg**	**0.88**
Benzo(k)fluoranthene	**38**	**7.5**	**ug/kg**	**0.73**
Benzo(a)pyrene	**61**	**7.5**	**ug/kg**	**0.67**
Indeno(1,2,3-cd)pyrene	**54**	**7.5**	**ug/kg**	**0.50**
Dibenzo(a,h)anthracene	**12 PG**	**7.5**	**ug/kg**	**1.2**
Benzo(ghi)perylene	**47 PG**	**7.5**	**ug/kg**	**0.62**
2-Methylnaphthalene	ND	37	ug/kg	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	64	(49 - 129)
Terphenyl-d14	21 *	(54 - 126)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS215

GC Semivolatiles

Lot-Sample #...:	C5E040115-005	**Work Order #...:**	G9RCT1AJ	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	21:38		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	10	**Analyst ID.....:**	402331	**Instrument ID..:**	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	19	ug/kg	1.6
beta-BHC	ND	19	ug/kg	2.5
delta-BHC	ND	19	ug/kg	2.0
gamma-BHC (Lindane)	ND	19	ug/kg	1.6
Heptachlor	ND	19	ug/kg	1.8
Aldrin	ND	19	ug/kg	2.4
Heptachlor epoxide	ND	19	ug/kg	2.3
Endosulfan I	ND	19	ug/kg	1.8
Dieldrin	**4.0 J,PG**	**19**	**ug/kg**	**1.8**
4,4'-DDE	**9.0 J,PG**	**19**	**ug/kg**	**2.3**
Endrin	ND	19	ug/kg	1.9
Endrin ketone	ND	19	ug/kg	2.4
Endrin aldehyde	ND	19	ug/kg	4.0
Endosulfan II	**24 PG**	**19**	**ug/kg**	**2.9**
4,4'-DDD	**3.5 J,PG**	**19**	**ug/kg**	**1.8**
Endosulfan sulfate	ND	19	ug/kg	2.6
4,4'-DDT	ND	19	ug/kg	2.0
Methoxychlor	ND	37	ug/kg	4.1
alpha-Chlordane	**13 J**	**19**	**ug/kg**	**2.4**
gamma-Chlordane	**2.6 J,PG**	**19**	**ug/kg**	**2.3**
Toxaphene	ND	750	ug/kg	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(31 - 131)
Decachlorobiphenyl	NC,DIL	(18 - 145)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SS215

GC Semivolatiles

Lot-Sample #...:	C5E040115-005	**Work Order #...:**	G9RCT1AK	**Matrix.....:**	SOLID
Date Sampled...:	05/03/05	**Date Received..:**	05/04/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5131061	**Analysis Time..:**	00:12		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	10	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	37	ug/kg	29
Aroclor 1221	ND	37	ug/kg	14
Aroclor 1232	ND	37	ug/kg	18
Aroclor 1242	ND	37	ug/kg	12
Aroclor 1248	**1100**	**37**	**ug/kg**	**13**
Aroclor 1254	ND	37	ug/kg	4.9
Aroclor 1260	**930**	**37**	**ug/kg**	**4.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(31 - 127)
Decachlorobiphenyl	81	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCT **Client ID:** FT-SS215

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 10.073

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**2.8**	**22.2**	**6120**		**1**	**ICPST**	**5/19/2005**	**22:37**
Antimony	220.35	0.34	1.1	0.34	U	1	ICPST	5/19/2005	22:37
Arsenic	**189.04**	**0.17**	**1.1**	**5.5**		**1**	**ICPST**	**5/19/2005**	**22:37**
Barium	**493.41**	**0.064**	**22.2**	**76.2**		**1**	**ICPST**	**5/19/2005**	**22:37**
Beryllium	**313.04**	**0.050**	**0.44**	**0.40**	**B**	**1**	**ICPST**	**5/19/2005**	**22:37**
Cadmium	**226.50**	**0.026**	**0.56**	**0.051**	**B**	**1**	**ICPST**	**5/19/2005**	**22:37**
Calcium	**317.93**	**0.91**	**556**	**1040**		**1**	**ICPST**	**5/19/2005**	**22:37**
Chromium	**267.72**	**0.069**	**0.56**	**7.7**		**1**	**ICPST**	**5/19/2005**	**22:37**
Cobalt	**228.62**	**0.051**	**5.6**	**1.6**	**B**	**1**	**ICPST**	**5/19/2005**	**22:37**
Copper	**324.75**	**0.14**	**2.8**	**12.2**		**1**	**ICPST**	**5/19/2005**	**22:37**
Iron	**271.44**	**1.4**	**11.1**	**10000**		**1**	**ICPST**	**5/19/2005**	**22:37**
Lead	**220.35**	**0.16**	**0.33**	**9.2**		**1**	**ICPST**	**5/24/2005**	**14:07**
Magnesium	**279.08**	**1.1**	**556**	**689**		**1**	**ICPST**	**5/19/2005**	**22:37**
Manganese	**257.61**	**0.021**	**1.7**	**41.3**		**1**	**ICPST**	**5/19/2005**	**22:37**
Nickel	**231.60**	**0.13**	**4.4**	**6.4**		**1**	**ICPST**	**5/19/2005**	**22:37**
Potassium	**766.49**	**7.5**	**556**	**204**	**B**	**1**	**ICPST**	**5/19/2005**	**22:37**
Selenium	**220.35**	**0.28**	**0.56**	**0.49**	**B**	**1**	**ICPST**	**5/19/2005**	**22:37**
Silver	**328.07**	**0.073**	**0.56**	**0.19**	**B**	**1**	**ICPST**	**5/19/2005**	**22:37**
Sodium	**330.23**	**14.5**	**556**	**241**	**B**	**1**	**ICPST**	**5/19/2005**	**22:37**
Thallium	190.86	0.37	1.1	0.37	U	1	ICPST	5/19/2005	22:37
Vanadium	**292.40**	**0.12**	**5.6**	**29.3**	**E**	**1**	**ICPST**	**5/19/2005**	**22:37**
Zinc	**213.86**	**0.051**	**2.2**	**11.7**		**1**	**ICPST**	**5/19/2005**	**22:37**

Comments: Lot #: C5E040115 Sample #: 5

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9RCT **Client ID:** FT-SS215

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/9/2005 **Prep Batch:** 5129016

Weight: .6 **Volume:** 100 **Percent Moisture:** 10.073

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0032	0.037	0.033	B	1	CVAA	5/9/2005	9:51

Comments: Lot #: C5E040115 Sample #: 5

.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

APPENDIX C.5

VOC, PAH, Pesticide/PCB, Metal – Soil Boring

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

GC/MS Volatiles

Lot-Sample #...:	C5E050136-002	**Work Order #...:**	G9V971AF	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5126045
Prep Date.....:	05/06/05	**Analysis Date..:**	05/06/05		
Prep Batch #...:	5126055	**Analysis Time..:**	13:54		
Dilution Factor:	0.88	**Initial Wgt/Vol:**	5.69 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**38**	**20**	**ug/kg**	**4.9**
Benzene	ND	4.9	ug/kg	0.54
Bromodichloromethane	ND	4.9	ug/kg	0.25
Bromoform	ND	4.9	ug/kg	0.60
Bromomethane	ND	4.9	ug/kg	0.92
2-Butanone	**8.3**	**4.9**	**ug/kg**	**1.4**
Carbon disulfide	ND	4.9	ug/kg	0.36
Carbon tetrachloride	ND	4.9	ug/kg	0.25
Chlorobenzene	ND	4.9	ug/kg	0.84
Chloroethane	ND	4.9	ug/kg	0.93
Chloroform	ND	4.9	ug/kg	0.25
Chloromethane	ND	4.9	ug/kg	0.28
Cyclohexane	ND	4.9	ug/kg	0.37
Dibromochloromethane	ND	4.9	ug/kg	0.26
1,2-Dibromo-3-chloro-propane	ND	4.9	ug/kg	0.46
1,2-Dibromoethane	ND	4.9	ug/kg	0.27
1,3-Dichlorobenzene	ND	4.9	ug/kg	0.90
1,4-Dichlorobenzene	ND	4.9	ug/kg	0.68
1,2-Dichlorobenzene	ND	4.9	ug/kg	0.92
Dichlorodifluoromethane	ND	4.9	ug/kg	0.50
1,1-Dichloroethane	**0.51 J**	**4.9**	**ug/kg**	**0.28**
1,2-Dichloroethane	ND	4.9	ug/kg	0.30
1,1-Dichloroethene	ND	4.9	ug/kg	0.58
cis-1,2-Dichloroethene	**1.0 J**	**4.9**	**ug/kg**	**0.74**
trans-1,2-Dichloroethene	ND	4.9	ug/kg	0.65
1,2-Dichloropropane	ND	4.9	ug/kg	0.62
cis-1,3-Dichloropropene	ND	4.9	ug/kg	0.28
trans-1,3-Dichloropropene	ND	4.9	ug/kg	0.27
Ethylbenzene	**9.9**	**4.9**	**ug/kg**	**0.92**
2-Hexanone	ND	4.9	ug/kg	0.81
Isopropylbenzene	**8.7**	**4.9**	**ug/kg**	**1.1**
Methyl acetate	ND	4.9	ug/kg	2.5
Methylene chloride	ND	4.9	ug/kg	1.3
Methylcyclohexane	**1.5 J**	**4.9**	**ug/kg**	**0.77**
4-Methyl-2-pentanone	ND	4.9	ug/kg	0.83
Methyl tert-butyl ether	ND	4.9	ug/kg	0.41

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

GC/MS Volatiles

Lot-Sample #...: C5E050136-002 **Work Order #...:** G9V971AF **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	4.9	ug/kg	0.79
1,1,2,2-Tetrachloroethane	ND	4.9	ug/kg	0.45
1,2,4-Trichloro-benzene	ND	4.9	ug/kg	1.4
Tetrachloroethene	ND	4.9	ug/kg	0.76
1,1,1-Trichloroethane	ND	4.9	ug/kg	0.27
1,1,2-Trichloroethane	ND	4.9	ug/kg	0.67
Trichloroethene	**0.89 J**	**4.9**	**ug/kg**	**0.85**
Trichlorofluoromethane	ND	4.9	ug/kg	1.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.9	ug/kg	0.34
Toluene	**36**	**4.9**	**ug/kg**	**0.58**
Vinyl chloride	ND	4.9	ug/kg	0.65
Xylenes (total)	**87**	**15**	**ug/kg**	**2.7**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	80	(61 - 130)
Toluene-d8	105	(60 - 143)
4-Bromofluorobenzene	92	(47 - 158)
Dibromofluoromethane	97	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

HPLC

Lot-Sample #...:	C5E050136-002	Work Order #...:	G9V972CA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5139049
Prep Date.....:	05/19/05	Analysis Date..:	05/21/05		
Prep Batch #...:	5139069	Analysis Time..:	08:24		
Dilution Factor:	10	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	11	Analyst ID.....:	014878	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**1200**	**370**	**ug/kg**	**38**
Acenaphthylene	ND	370	ug/kg	34
Acenaphthene	ND	370	ug/kg	82
Fluorene	**160**	**75**	**ug/kg**	**20**
Phenanthrene	**290**	**75**	**ug/kg**	**4.9**
Anthracene	**10 J**	**75**	**ug/kg**	**5.1**
Fluoranthene	**76 PG**	**75**	**ug/kg**	**6.1**
Pyrene	**78 PG**	**75**	**ug/kg**	**5.0**
Benzo(a)anthracene	**31 J,PG**	**75**	**ug/kg**	**6.4**
Chrysene	**30 J**	**75**	**ug/kg**	**6.3**
Benzo(b)fluoranthene	**40 J**	**75**	**ug/kg**	**8.9**
Benzo(k)fluoranthene	**26 J**	**75**	**ug/kg**	**7.4**
Benzo(a)pyrene	**39 J**	**75**	**ug/kg**	**6.8**
Indeno(1,2,3-cd)pyrene	**60 J**	**75**	**ug/kg**	**5.1**
Dibenzo(a,h)anthracene	**20 J,PG**	**75**	**ug/kg**	**12**
Benzo(ghi)perylene	**53 J,PG**	**75**	**ug/kg**	**6.3**
2-Methylnaphthalene	**4100**	**370**	**ug/kg**	**30**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	NC,DIL	(49 - 129)
Terphenyl-d14	NC,DIL	(54 - 126)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

HPLC

Lot-Sample #...:	C5E050136-002	Work Order #...:	G9V971CA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5137005
Prep Date.....:	05/17/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5137014	Analysis Time..:	03:03		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	11	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**170**	**37**	**ug/kg**	**3.8**
Acenaphthylene	ND	37	ug/kg	3.4
Acenaphthene	ND	37	ug/kg	8.2
Fluorene	**24**	**7.5**	**ug/kg**	**2.0**
Phenanthrene	**54**	**7.5**	**ug/kg**	**0.49**
Anthracene	**3.7 J**	**7.5**	**ug/kg**	**0.51**
Fluoranthene	**35 PG**	**7.5**	**ug/kg**	**0.61**
Pyrene	**31 PG**	**7.5**	**ug/kg**	**0.50**
Benzo(a)anthracene	**20**	**7.5**	**ug/kg**	**0.64**
Chrysene	**16**	**7.5**	**ug/kg**	**0.63**
Benzo(b)fluoranthene	**18**	**7.5**	**ug/kg**	**0.89**
Benzo(k)fluoranthene	**11**	**7.5**	**ug/kg**	**0.74**
Benzo(a)pyrene	**17**	**7.5**	**ug/kg**	**0.68**
Indeno(1,2,3-cd)pyrene	**17**	**7.5**	**ug/kg**	**0.51**
Dibenzo(a,h)anthracene	**4.5 J,PG**	**7.5**	**ug/kg**	**1.2**
Benzo(ghi)perylene	**15 PG**	**7.5**	**ug/kg**	**0.63**
2-Methylnaphthalene	**610**	**37**	**ug/kg**	**3.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	26 *	(49 - 129)
Terphenyl-d14	NC,I	(54 - 126)

NOTE(S):

* Surrogate recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

I Matrix interference.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-002	**Work Order #...:**	G9V971A8	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	22:09		
Dilution Factor:	2	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	402331	**Instrument ID..:**	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	3.8	ug/kg	0.32
beta-BHC	ND	3.8	ug/kg	0.50
delta-BHC	ND	3.8	ug/kg	0.41
gamma-BHC (Lindane)	ND	3.8	ug/kg	0.32
Heptachlor	ND	3.8	ug/kg	0.36
Aldrin	ND	3.8	ug/kg	0.48
Heptachlor epoxide	ND	3.8	ug/kg	0.46
Endosulfan I	ND	3.8	ug/kg	0.37
Dieldrin	**2.5 J,PG**	**3.8**	**ug/kg**	**0.36**
4,4'-DDE	**4.5 PG**	**3.8**	**ug/kg**	**0.47**
Endrin	ND	3.8	ug/kg	0.37
Endrin ketone	**1.1 J,PG**	**3.8**	**ug/kg**	**0.49**
Endrin aldehyde	ND	3.8	ug/kg	0.81
Endosulfan II	ND	3.8	ug/kg	0.58
4,4'-DDD	**1.5 J,PG**	**3.8**	**ug/kg**	**0.37**
Endosulfan sulfate	**5.0**	**3.8**	**ug/kg**	**0.52**
4,4'-DDT	ND	3.8	ug/kg	0.41
Methoxychlor	ND	7.4	ug/kg	0.83
alpha-Chlordane	**4.9**	**3.8**	**ug/kg**	**0.49**
gamma-Chlordane	**2.1 J,PG**	**3.8**	**ug/kg**	**0.47**
Toxaphene	ND	150	ug/kg	5.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(31 - 131)
Decachlorobiphenyl	97	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-201-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-002	**Work Order #...:**	G9V971A9	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	17:43		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	37	ug/kg	30
Aroclor 1221	ND	37	ug/kg	14
Aroclor 1232	ND	37	ug/kg	18
Aroclor 1242	ND	37	ug/kg	12
Aroclor 1248	ND	37	ug/kg	14
Aroclor 1254	ND	37	ug/kg	5.0
Aroclor 1260	**510**	**37**	**ug/kg**	**4.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(31 - 127)
Decachlorobiphenyl	93	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9V97 **Client ID:** FT-SB-201-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 11.06

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**2.8**	**22.5**	**2810**		**1**	**ICPST**	**5/19/2005**	**22:43**
Antimony	220.35	0.35	1.1	0.35	U	1	ICPST	5/19/2005	22:43
Arsenic	**189.04**	**0.17**	**1.1**	**0.76**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Barium	**493.41**	**0.065**	**22.5**	**11.0**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Beryllium	313.04	0.051	0.45	0.051	U	1	ICPST	5/19/2005	22:43
Cadmium	**226.50**	**0.026**	**0.56**	**0.19**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Calcium	**317.93**	**0.92**	**562**	**311**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Chromium	**267.72**	**0.070**	**0.56**	**5.7**		**1**	**ICPST**	**5/19/2005**	**22:43**
Cobalt	**228.62**	**0.052**	**5.6**	**0.44**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Copper	**324.75**	**0.15**	**2.8**	**3.3**		**1**	**ICPST**	**5/19/2005**	**22:43**
Iron	**271.44**	**1.5**	**11.2**	**1660**		**1**	**ICPST**	**5/19/2005**	**22:43**
Lead	**220.35**	**0.16**	**0.34**	**14.8**		**1**	**ICPST**	**5/24/2005**	**14:13**
Magnesium	**279.08**	**1.1**	**562**	**119**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Manganese	**257.61**	**0.021**	**1.7**	**9.5**		**1**	**ICPST**	**5/19/2005**	**22:43**
Nickel	**231.60**	**0.13**	**4.5**	**1.2**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Potassium	**766.49**	**7.6**	**562**	**65.7**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Selenium	**220.35**	**0.28**	**0.56**	**0.30**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Silver	**328.07**	**0.074**	**0.56**	**0.17**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Sodium	**330.23**	**14.6**	**562**	**322**	**B**	**1**	**ICPST**	**5/19/2005**	**22:43**
Thallium	190.86	0.37	1.1	0.37	U	1	ICPST	5/19/2005	22:43
Vanadium	**292.40**	**0.12**	**5.6**	**7.0**		**1**	**ICPST**	**5/19/2005**	**22:43**
Zinc	**213.86**	**0.052**	**2.2**	**22.3**		**1**	**ICPST**	**5/19/2005**	**22:43**

Comments: Lot #: C5E050136 Sample #: 2

04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9V97 **Client ID:** FT-SB-201-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/13/2005 **Prep Batch:** 5133040

Weight: .6 **Volume:** 100 **Percent Moisture:** 11.06

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0032	0.037	0.019	B	1	CVAA	5/13/2005	9:40

Comments: Lot #: C5E050136 Sample #: 2

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-0305

GC/MS Volatiles

Lot-Sample #...:	C5E050136-005	**Work Order #...:**	G9WAH1AR	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5126045
Prep Date.....:	05/06/05	**Analysis Date..:**	05/06/05		
Prep Batch #...:	5126055	**Analysis Time..:**	11:52		
Dilution Factor:	0.89	**Initial Wgt/Vol:**	5.62 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	20	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**12 J**	**22**	**ug/kg**	**5.5**
Benzene	ND	5.5	ug/kg	0.61
Bromodichloromethane	ND	5.5	ug/kg	0.28
Bromoform	ND	5.5	ug/kg	0.68
Bromomethane	ND	5.5	ug/kg	1.0
2-Butanone	**2.3 J**	**5.5**	**ug/kg**	**1.5**
Carbon disulfide	ND	5.5	ug/kg	0.40
Carbon tetrachloride	ND	5.5	ug/kg	0.28
Chlorobenzene	ND	5.5	ug/kg	0.94
Chloroethane	ND	5.5	ug/kg	1.0
Chloroform	ND	5.5	ug/kg	0.28
Chloromethane	ND	5.5	ug/kg	0.32
Cyclohexane	ND	5.5	ug/kg	0.42
Dibromochloromethane	ND	5.5	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND	5.5	ug/kg	0.52
1,2-Dibromoethane	ND	5.5	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.5	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.5	ug/kg	0.76
1,2-Dichlorobenzene	ND	5.5	ug/kg	1.0
Dichlorodifluoromethane	ND	5.5	ug/kg	0.56
1,1-Dichloroethane	ND	5.5	ug/kg	0.32
1,2-Dichloroethane	ND	5.5	ug/kg	0.33
1,1-Dichloroethene	ND	5.5	ug/kg	0.65
cis-1,2-Dichloroethene	**2.5 J**	**5.5**	**ug/kg**	**0.83**
trans-1,2-Dichloroethene	ND	5.5	ug/kg	0.72
1,2-Dichloropropane	ND	5.5	ug/kg	0.69
cis-1,3-Dichloropropene	ND	5.5	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.5	ug/kg	0.31
Ethylbenzene	ND	5.5	ug/kg	1.0
2-Hexanone	ND	5.5	ug/kg	0.90
Isopropylbenzene	ND	5.5	ug/kg	1.2
Methyl acetate	ND	5.5	ug/kg	2.8
Methylene chloride	ND	5.5	ug/kg	1.5
Methylcyclohexane	ND	5.5	ug/kg	0.87
4-Methyl-2-pentanone	ND	5.5	ug/kg	0.93
Methyl tert-butyl ether	ND	5.5	ug/kg	0.45

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-0305

GC/MS Volatiles

Lot-Sample #...: C5E050136-005 Work Order #...: G9WAH1AR Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.5	ug/kg	0.89
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	0.50
1,2,4-Trichloro-benzene	ND	5.5	ug/kg	1.5
Tetrachloroethene	ND	5.5	ug/kg	0.85
1,1,1-Trichloroethane	ND	5.5	ug/kg	0.30
1,1,2-Trichloroethane	ND	5.5	ug/kg	0.75
Trichloroethene	ND	5.5	ug/kg	0.95
Trichlorofluoromethane	ND	5.5	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.5	ug/kg	0.38
Toluene	ND	5.5	ug/kg	0.65
Vinyl chloride	ND	5.5	ug/kg	0.73
Xylenes (total)	ND	17	ug/kg	3.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	78	(61 - 130)
Toluene-d8	107	(60 - 143)
4-Bromofluorobenzene	88	(47 - 158)
Dibromofluoromethane	95	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-0305

HPLC

Lot-Sample #...:	C5E050136-005	**Work Order #...:**	G9WAH2CA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5143007
Prep Date.....:	05/23/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5143015	**Analysis Time..:**	15:42		
Dilution Factor:	2	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	20	**Analyst ID.....:**	401414	**Instrument ID..:**	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	82	ug/kg	8.4
Acenaphthylene	**13 J**	**82**	**ug/kg**	**3.7**
Acenaphthene	ND PG	82	ug/kg	18
Fluorene	**17**	**17**	**ug/kg**	**4.5**
Phenanthrene	**120**	**17**	**ug/kg**	**1.1**
Anthracene	**32**	**17**	**ug/kg**	**1.1**
Fluoranthene	**170**	**17**	**ug/kg**	**1.4**
Pyrene	**170**	**17**	**ug/kg**	**1.1**
Benzo(a)anthracene	**73**	**17**	**ug/kg**	**1.4**
Chrysene	**71**	**17**	**ug/kg**	**1.4**
Benzo(b)fluoranthene	**70**	**17**	**ug/kg**	**2.0**
Benzo(k)fluoranthene	**40**	**17**	**ug/kg**	**1.6**
Benzo(a)pyrene	**82**	**17**	**ug/kg**	**1.5**
Indeno(1,2,3-cd)pyrene	**57**	**17**	**ug/kg**	**1.1**
Dibenzo(a,h)anthracene	**6.2 J,PG**	**17**	**ug/kg**	**2.6**
Benzo(ghi)perylene	**65 PG**	**17**	**ug/kg**	**1.4**
2-Methylnaphthalene	ND	82	ug/kg	6.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	104	(49 - 129)
Terphenyl-d14	84	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-0305

HPLC

Lot-Sample #...:	C5E050136-005	**Work Order #...:**	G9WAH1CA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5137005
Prep Date.....:	05/17/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5137014	**Analysis Time..:**	03:43		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	20	**Analyst ID.....:**	401414	**Instrument ID..:**	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	41	ug/kg	4.2
Acenaphthylene	ND	41	ug/kg	3.7
Acenaphthene	ND	41	ug/kg	9.1
Fluorene	**5.2 J**	**8.3**	**ug/kg**	**2.2**
Phenanthrene	**21**	**8.3**	**ug/kg**	**0.54**
Anthracene	**4.3 J**	**8.3**	**ug/kg**	**0.57**
Fluoranthene	**30**	**8.3**	**ug/kg**	**0.68**
Pyrene	**27**	**8.3**	**ug/kg**	**0.55**
Benzo(a)anthracene	**14**	**8.3**	**ug/kg**	**0.71**
Chrysene	**13**	**8.3**	**ug/kg**	**0.70**
Benzo(b)fluoranthene	ND	8.3	ug/kg	0.98
Benzo(k)fluoranthene	**9.5**	**8.3**	**ug/kg**	**0.81**
Benzo(a)pyrene	**16**	**8.3**	**ug/kg**	**0.75**
Indeno(1,2,3-cd)pyrene	**9.1 PG**	**8.3**	**ug/kg**	**0.56**
Dibenzo(a,h)anthracene	ND	8.3	ug/kg	1.3
Benzo(ghi)perylene	**19**	**8.3**	**ug/kg**	**0.70**
2-Methylnaphthalene	ND	41	ug/kg	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	21 *	(49 - 129)
Terphenyl-d14	37 *	(54 - 126)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-005	Work Order #...:	G9WAH1AK	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5131028
Prep Date.....:	05/11/05	Analysis Date..:	05/19/05		
Prep Batch #...:	5131054	Analysis Time..:	22:39		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	20	Analyst ID.....:	402331	Instrument ID..:	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.18
beta-BHC	ND	2.1	ug/kg	0.28
delta-BHC	ND	2.1	ug/kg	0.23
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.18
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	ND	2.1	ug/kg	0.26
Heptachlor epoxide	ND	2.1	ug/kg	0.25
Endosulfan I	ND	2.1	ug/kg	0.20
Dieldrin	**0.29 J,PG**	**2.1**	**ug/kg**	**0.20**
4,4'-DDE	**1.7 J**	**2.1**	**ug/kg**	**0.26**
Endrin	**0.21 J,PG**	**2.1**	**ug/kg**	**0.21**
Endrin ketone	ND	2.1	ug/kg	0.27
Endrin aldehyde	ND	2.1	ug/kg	0.45
Endosulfan II	ND	2.1	ug/kg	0.32
4,4'-DDD	**8.2**	**2.1**	**ug/kg**	**0.20**
Endosulfan sulfate	ND	2.1	ug/kg	0.29
4,4'-DDT	**1.0 J,PG**	**2.1**	**ug/kg**	**0.23**
Methoxychlor	ND	4.1	ug/kg	0.46
alpha-Chlordane	ND	2.1	ug/kg	0.27
gamma-Chlordane	**1.1 J**	**2.1**	**ug/kg**	**0.26**
Toxaphene	ND	83	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(31 - 131)
Decachlorobiphenyl	93	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-202-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-005	**Work Order #...:**	G9WAH1AL	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	18:04		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	20	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	41	ug/kg	33
Aroclor 1221	ND	41	ug/kg	16
Aroclor 1232	ND	41	ug/kg	20
Aroclor 1242	ND	41	ug/kg	14
Aroclor 1248	ND	41	ug/kg	15
Aroclor 1254	ND	41	ug/kg	5.5
Aroclor 1260	ND	41	ug/kg	4.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(31 - 127)
Decachlorobiphenyl	88	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WAH **Client ID:** FT-SB-202-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 19.622

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**3.1**	**24.9**	**2240**		**1**	**ICPST**	**5/19/2005**	**22:48**
Antimony	220.35	0.39	1.2	0.39	U	1	ICPST	5/19/2005	22:48
Arsenic	**189.04**	**0.19**	**1.2**	**0.69**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Barium	**493.41**	**0.072**	**24.9**	**11.0**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Beryllium	313.04	0.056	0.50	0.056	U	1	ICPST	5/19/2005	22:48
Cadmium	**226.50**	**0.029**	**0.62**	**0.060**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Calcium	**317.93**	**1.0**	**622**	**1220**		**1**	**ICPST**	**5/19/2005**	**22:48**
Chromium	**267.72**	**0.077**	**0.62**	**4.1**		**1**	**ICPST**	**5/19/2005**	**22:48**
Cobalt	**228.62**	**0.057**	**6.2**	**0.41**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Copper	**324.75**	**0.16**	**3.1**	**2.4**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Iron	**271.44**	**1.6**	**12.4**	**1650**		**1**	**ICPST**	**5/19/2005**	**22:48**
Lead	**220.35**	**0.17**	**0.37**	**3.4**		**1**	**ICPST**	**5/24/2005**	**14:31**
Magnesium	**279.08**	**1.2**	**622**	**305**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Manganese	**257.61**	**0.024**	**1.9**	**21.8**		**1**	**ICPST**	**5/19/2005**	**22:48**
Nickel	**231.60**	**0.15**	**5.0**	**1.3**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Potassium	**766.49**	**8.4**	**622**	**52.1**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Selenium	**220.35**	**0.31**	**0.62**	**0.58**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Silver	328.07	0.082	0.62	0.082	U	1	ICPST	5/19/2005	22:48
Sodium	**330.23**	**16.2**	**622**	**330**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Thallium	190.86	0.41	1.2	0.41	U	1	ICPST	5/19/2005	22:48
Vanadium	**292.40**	**0.14**	**6.2**	**5.9**	**B**	**1**	**ICPST**	**5/19/2005**	**22:48**
Zinc	**213.86**	**0.057**	**2.5**	**6.6**		**1**	**ICPST**	**5/19/2005**	**22:48**

Comments: Lot #: C5E050136 Sample #: 5

4.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WAH **Client ID:** FT-SB-202-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/13/2005 **Prep Batch:** 5133040

Weight: .6 **Volume:** 100 **Percent Moisture:** 19.622

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0035	0.041	0.0093	B	1	CVAA	5/13/2005	9:45

Comments: Lot #: C5E050136 Sample #: 5

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0204

GC/MS Volatiles

Lot-Sample #...:	C5E050136-007	**Work Order #...:**	G9WA11AR	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5126045
Prep Date.....:	05/06/05	**Analysis Date..:**	05/06/05		
Prep Batch #...:	5126055	**Analysis Time..:**	15:41		
Dilution Factor:	0.91	**Initial Wgt/Vol:**	5.49 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	17	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**13 J**	**22**	**ug/kg**	**5.5**
Benzene	ND	5.5	ug/kg	0.60
Bromodichloromethane	ND	5.5	ug/kg	0.27
Bromoform	ND	5.5	ug/kg	0.67
Bromomethane	ND	5.5	ug/kg	1.0
2-Butanone	**3.1 J**	**5.5**	**ug/kg**	**1.5**
Carbon disulfide	ND	5.5	ug/kg	0.40
Carbon tetrachloride	ND	5.5	ug/kg	0.27
Chlorobenzene	ND	5.5	ug/kg	0.93
Chloroethane	ND	5.5	ug/kg	1.0
Chloroform	ND	5.5	ug/kg	0.27
Chloromethane	ND	5.5	ug/kg	0.31
Cyclohexane	ND	5.5	ug/kg	0.41
Dibromochloromethane	ND	5.5	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND	5.5	ug/kg	0.51
1,2-Dibromoethane	ND	5.5	ug/kg	0.29
1,3-Dichlorobenzene	ND	5.5	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.5	ug/kg	0.75
1,2-Dichlorobenzene	ND	5.5	ug/kg	1.0
Dichlorodifluoromethane	ND	5.5	ug/kg	0.55
1,1-Dichloroethane	**1.0 J**	**5.5**	**ug/kg**	**0.32**
1,2-Dichloroethane	ND	5.5	ug/kg	0.33
1,1-Dichloroethene	ND	5.5	ug/kg	0.65
cis-1,2-Dichloroethene	**1.1 J**	**5.5**	**ug/kg**	**0.82**
trans-1,2-Dichloroethene	ND	5.5	ug/kg	0.72
1,2-Dichloropropane	ND	5.5	ug/kg	0.69
cis-1,3-Dichloropropene	ND	5.5	ug/kg	0.31
trans-1,3-Dichloropropene	ND	5.5	ug/kg	0.30
Ethylbenzene	**11**	**5.5**	**ug/kg**	**1.0**
2-Hexanone	ND	5.5	ug/kg	0.89
Isopropylbenzene	**11**	**5.5**	**ug/kg**	**1.2**
Methyl acetate	ND	5.5	ug/kg	2.7
Methylene chloride	ND	5.5	ug/kg	1.5
Methylcyclohexane	**8.5**	**5.5**	**ug/kg**	**0.86**
4-Methyl-2-pentanone	ND	5.5	ug/kg	0.92
Methyl tert-butyl ether	ND	5.5	ug/kg	0.45

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0204

GC/MS Volatiles

Lot-Sample #...: C5E050136-007 **Work Order #...:** G9WA11AR **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.5	ug/kg	0.88
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	0.49
1,2,4-Trichloro-benzene	ND	5.5	ug/kg	1.5
Tetrachloroethene	ND	5.5	ug/kg	0.84
1,1,1-Trichloroethane	ND	5.5	ug/kg	0.30
1,1,2-Trichloroethane	ND	5.5	ug/kg	0.74
Trichloroethene	ND	5.5	ug/kg	0.94
Trichlorofluoromethane	ND	5.5	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.5	ug/kg	0.38
Toluene	**8.6**	**5.5**	**ug/kg**	**0.65**
Vinyl chloride	ND	5.5	ug/kg	0.72
Xylenes (total)	**130**	**16**	**ug/kg**	**3.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	82	(61 - 130)
Toluene-d8	113	(60 - 143)
4-Bromofluorobenzene	125	(47 - 158)
Dibromofluoromethane	97	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0204

HPLC

Lot-Sample #...:	C5E050136-007	Work Order #...:	G9WA11CA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5137005
Prep Date.....:	05/17/05	Analysis Date..:	05/19/05		
Prep Batch #...:	5137014	Analysis Time..:	12:39		
Dilution Factor:	40	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	17	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	2200	1600	ug/kg	160
Acenaphthylene	ND	1600	ug/kg	140
Acenaphthene	380 J,PG	1600	ug/kg	350
Fluorene	730	320	ug/kg	87
Phenanthrene	2300	320	ug/kg	21
Anthracene	110 J	320	ug/kg	22
Fluoranthene	3200	320	ug/kg	26
Pyrene	3200	320	ug/kg	21
Benzo(a)anthracene	960	320	ug/kg	27
Chrysene	1100	320	ug/kg	27
Benzo(b)fluoranthene	1000	320	ug/kg	38
Benzo(k)fluoranthene	600	320	ug/kg	32
Benzo(a)pyrene	610	320	ug/kg	29
Indeno(1,2,3-cd)pyrene	600 PG	320	ug/kg	22
Dibenzo(a,h)anthracene	190 J,PG	320	ug/kg	50
Benzo(ghi)perylene	680 PG	320	ug/kg	27
2-Methylnaphthalene	8700	1600	ug/kg	130

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	NC,DIL	(49 - 129)
Terphenyl-d14	NC,DIL	(54 - 126)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0204

GC Semivolatiles

Lot-Sample #...:	C5E050136-007	**Work Order #...:**	G9WA11AK	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	23:10		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	17	**Analyst ID.....:**	402331	**Instrument ID..:**	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	20	ug/kg	1.7
beta-BHC	ND	20	ug/kg	2.7
delta-BHC	ND	20	ug/kg	2.2
gamma-BHC (Lindane)	ND	20	ug/kg	1.7
Heptachlor	ND	20	ug/kg	1.9
Aldrin	ND	20	ug/kg	2.5
Heptachlor epoxide	ND	20	ug/kg	2.5
Endosulfan I	**11 J,PG**	**20**	**ug/kg**	**2.0**
Dieldrin	**3.1 J,PG**	**20**	**ug/kg**	**1.9**
4,4'-DDE	**7.2 J**	**20**	**ug/kg**	**2.5**
Endrin	ND	20	ug/kg	2.0
Endrin ketone	ND	20	ug/kg	2.6
Endrin aldehyde	ND	20	ug/kg	4.4
Endosulfan II	ND	20	ug/kg	3.1
4,4'-DDD	**4.3 J,PG**	**20**	**ug/kg**	**2.0**
Endosulfan sulfate	ND	20	ug/kg	2.8
4,4'-DDT	ND	20	ug/kg	2.2
Methoxychlor	ND	40	ug/kg	4.4
alpha-Chlordane	ND	20	ug/kg	2.6
gamma-Chlordane	**2.8 J,PG**	**20**	**ug/kg**	**2.5**
Toxaphene	ND	810	ug/kg	27

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(31 - 131)
Decachlorobiphenyl	NC,DIL	(18 - 145)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-203-0204

GC Semivolatiles

Lot-Sample #...:	C5E050136-007	**Work Order #...:**	G9WA11AL	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5131061	**Analysis Time..:**	12:51		
Dilution Factor:	2	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	17	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	80	ug/kg	64
Aroclor 1221	ND	80	ug/kg	31
Aroclor 1232	ND	80	ug/kg	38
Aroclor 1242	ND	80	ug/kg	27
Aroclor 1248	ND	80	ug/kg	29
Aroclor 1254	ND	80	ug/kg	11
Aroclor 1260	**1800**	**80**	**ug/kg**	**8.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(31 - 127)
Decachlorobiphenyl	97	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WA1 **Client ID:** FT-SB-203-0204

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 16.981

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**3.0**	**24.1**	**2710**		**1**	**ICPST**	**5/19/2005**	**22:54**
Antimony	220.35	0.37	1.2	0.37	U	1	ICPST	5/19/2005	22:54
Arsenic	**189.04**	**0.18**	**1.2**	**0.57**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Barium	**493.41**	**0.070**	**24.1**	**13.9**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Beryllium	313.04	0.054	0.48	0.054	U	1	ICPST	5/19/2005	22:54
Cadmium	**226.50**	**0.028**	**0.60**	**0.053**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Calcium	**317.93**	**0.99**	**602**	**549**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Chromium	**267.72**	**0.075**	**0.60**	**3.5**		**1**	**ICPST**	**5/19/2005**	**22:54**
Cobalt	**228.62**	**0.055**	**6.0**	**0.30**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Copper	**324.75**	**0.16**	**3.0**	**2.5**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Iron	**271.44**	**1.6**	**12.0**	**1460**		**1**	**ICPST**	**5/19/2005**	**22:54**
Lead	**220.35**	**0.17**	**0.36**	**13.4**		**1**	**ICPST**	**5/24/2005**	**14:36**
Magnesium	**279.08**	**1.2**	**602**	**119**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Manganese	**257.61**	**0.023**	**1.8**	**11.0**		**1**	**ICPST**	**5/19/2005**	**22:54**
Nickel	**231.60**	**0.14**	**4.8**	**1.2**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Potassium	**766.49**	**8.1**	**602**	**66.1**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Selenium	220.35	0.30	0.60	0.30	U	1	ICPST	5/19/2005	22:54
Silver	328.07	0.079	0.60	0.079	U	1	ICPST	5/19/2005	22:54
Sodium	**330.23**	**15.7**	**602**	**275**	**B**	**1**	**ICPST**	**5/19/2005**	**22:54**
Thallium	190.86	0.40	1.2	0.40	U	1	ICPST	5/19/2005	22:54
Vanadium	**292.40**	**0.13**	**6.0**	**7.5**		**1**	**ICPST**	**5/19/2005**	**22:54**
Zinc	**213.86**	**0.055**	**2.4**	**11.9**		**1**	**ICPST**	**5/19/2005**	**22:54**

Comments: Lot #: C5E050136 Sample #: 7

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WA1 **Client ID:** FT-SB-203-0204

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/13/2005 **Prep Batch:** 5133040

Weight: .6 **Volume:** 100 **Percent Moisture:** 16.981

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0034	0.040	0.016	B	1	CVAA	5/13/2005	9:46

Comments: Lot #: C5E050136 Sample #: 7

5.0.1.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0204

GC/MS Volatiles

Lot-Sample #...:	C5E050136-010	**Work Order #...:**	G9WCC1AR	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5126045
Prep Date.....:	05/06/05	**Analysis Date..:**	05/06/05		
Prep Batch #...:	5126055	**Analysis Time..:**	12:19		
Dilution Factor:	0.97	**Initial Wgt/Vol:**	5.13 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.3	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	21	ug/kg	5.2
Benzene	ND	5.2	ug/kg	0.57
Bromodichloromethane	ND	5.2	ug/kg	0.26
Bromoform	ND	5.2	ug/kg	0.63
Bromomethane	ND	5.2	ug/kg	0.96
2-Butanone	ND	5.2	ug/kg	1.4
Carbon disulfide	ND	5.2	ug/kg	0.37
Carbon tetrachloride	ND	5.2	ug/kg	0.26
Chlorobenzene	ND	5.2	ug/kg	0.88
Chloroethane	ND	5.2	ug/kg	0.97
Chloroform	ND	5.2	ug/kg	0.26
Chloromethane	ND	5.2	ug/kg	0.30
Cyclohexane	ND	5.2	ug/kg	0.39
Dibromochloromethane	ND	5.2	ug/kg	0.27
1,2-Dibromo-3-chloro-propane	ND	5.2	ug/kg	0.48
1,2-Dibromoethane	ND	5.2	ug/kg	0.28
1,3-Dichlorobenzene	ND	5.2	ug/kg	0.94
1,4-Dichlorobenzene	ND	5.2	ug/kg	0.71
1,2-Dichlorobenzene	ND	5.2	ug/kg	0.96
Dichlorodifluoromethane	ND	5.2	ug/kg	0.52
1,1-Dichloroethane	ND	5.2	ug/kg	0.30
1,2-Dichloroethane	ND	5.2	ug/kg	0.31
1,1-Dichloroethene	ND	5.2	ug/kg	0.61
cis-1,2-Dichloroethene	ND	5.2	ug/kg	0.77
trans-1,2-Dichloroethene	ND	5.2	ug/kg	0.68
1,2-Dichloropropane	ND	5.2	ug/kg	0.65
cis-1,3-Dichloropropene	ND	5.2	ug/kg	0.30
trans-1,3-Dichloropropene	ND	5.2	ug/kg	0.29
Ethylbenzene	ND	5.2	ug/kg	0.96
2-Hexanone	ND	5.2	ug/kg	0.84
Isopropylbenzene	ND	5.2	ug/kg	1.2
Methyl acetate	ND	5.2	ug/kg	2.6
Methylene chloride	ND	5.2	ug/kg	1.4
Methylcyclohexane	ND	5.2	ug/kg	0.81
4-Methyl-2-pentanone	ND	5.2	ug/kg	0.87
Methyl tert-butyl ether	ND	5.2	ug/kg	0.42

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0204

GC/MS Volatiles

Lot-Sample #...: C5E050136-010 **Work Order #...:** G9WCC1AR **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.2	ug/kg	0.83
1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	0.47
1,2,4-Trichloro-benzene	ND	5.2	ug/kg	1.4
Tetrachloroethene	ND	5.2	ug/kg	0.79
1,1,1-Trichloroethane	ND	5.2	ug/kg	0.28
1,1,2-Trichloroethane	ND	5.2	ug/kg	0.70
Trichloroethene	ND	5.2	ug/kg	0.89
Trichlorofluoromethane	ND	5.2	ug/kg	1.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.2	ug/kg	0.36
Toluene	ND	5.2	ug/kg	0.61
Vinyl chloride	ND	5.2	ug/kg	0.68
Xylenes (total)	ND	16	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	76	(61 - 130)
Toluene-d8	107	(60 - 143)
4-Bromofluorobenzene	88	(47 - 158)
Dibromofluoromethane	94	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0204

HPLC

Lot-Sample #...:	C5E050136-010	Work Order #...:	G9WCC1CA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5137005
Prep Date.....:	05/17/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5137014	Analysis Time..:	05:03		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	6.3	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**3.6 J,PG**	**35**	**ug/kg**	**3.6**
Acenaphthylene	**63**	**35**	**ug/kg**	**3.2**
Acenaphthene	ND	35	ug/kg	7.8
Fluorene	ND	7.2	ug/kg	1.9
Phenanthrene	**28**	**7.2**	**ug/kg**	**0.46**
Anthracene	**5.1 J**	**7.2**	**ug/kg**	**0.49**
Fluoranthene	**58**	**7.2**	**ug/kg**	**0.58**
Pyrene	**66**	**7.2**	**ug/kg**	**0.48**
Benzo(a)anthracene	**29**	**7.2**	**ug/kg**	**0.61**
Chrysene	**29**	**7.2**	**ug/kg**	**0.60**
Benzo(b)fluoranthene	**40**	**7.2**	**ug/kg**	**0.84**
Benzo(k)fluoranthene	**30 PG**	**7.2**	**ug/kg**	**0.70**
Benzo(a)pyrene	**38**	**7.2**	**ug/kg**	**0.64**
Indeno(1,2,3-cd)pyrene	**29**	**7.2**	**ug/kg**	**0.48**
Dibenzo(a,h)anthracene	**13 PG**	**7.2**	**ug/kg**	**1.1**
Benzo(ghi)perylene	**26 PG**	**7.2**	**ug/kg**	**0.60**
2-Methylnaphthalene	ND	35	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	82	(49 - 129)
Terphenyl-d14	70	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0204

GC Semivolatiles

Lot-Sample #...:	C5E050136-010	**Work Order #...:**	G9WCC1AK	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	23:41		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.3	**Analyst ID.....:**	402331	**Instrument ID..:**	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	9.1	ug/kg	0.76
beta-BHC	ND	9.1	ug/kg	1.2
delta-BHC	ND	9.1	ug/kg	0.98
gamma-BHC (Lindane)	ND	9.1	ug/kg	0.75
Heptachlor	ND	9.1	ug/kg	0.86
Aldrin	ND	9.1	ug/kg	1.1
Heptachlor epoxide	ND	9.1	ug/kg	1.1
Endosulfan I	ND	9.1	ug/kg	0.87
Dieldrin	ND	9.1	ug/kg	0.86
4,4'-DDE	**1.3 J,PG**	**9.1**	**ug/kg**	**1.1**
Endrin	ND	9.1	ug/kg	0.89
Endrin ketone	ND	9.1	ug/kg	1.2
Endrin aldehyde	ND	9.1	ug/kg	1.9
Endosulfan II	ND	9.1	ug/kg	1.4
4,4'-DDD	ND	9.1	ug/kg	0.88
Endosulfan sulfate	ND	9.1	ug/kg	1.2
4,4'-DDT	**14**	**9.1**	**ug/kg**	**0.97**
Methoxychlor	ND	18	ug/kg	2.0
alpha-Chlordane	ND	9.1	ug/kg	1.2
gamma-Chlordane	ND	9.1	ug/kg	1.1
Toxaphene	ND	360	ug/kg	12

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	129	(31 - 131)
Decachlorobiphenyl	NC,I	(18 - 145)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-204-0204

GC Semivolatiles

Lot-Sample #...:	C5E050136-010	**Work Order #...:**	G9WCC1AL	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	18:48		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.3	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	14
Aroclor 1232	ND	35	ug/kg	17
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	ND	35	ug/kg	4.7
Aroclor 1260	**41**	**35**	**ug/kg**	**3.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(31 - 127)
Decachlorobiphenyl	76	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WCC **Client ID:** FT-SB-204-0204

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 6.291

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**2.7**	**21.3**	**1870**		**1**	**ICPST**	**5/19/2005**	**22:59**
Antimony	220.35	0.33	1.1	0.33	U	1	ICPST	5/19/2005	22:59
Arsenic	**189.04**	**0.16**	**1.1**	**0.74**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Barium	**493.41**	**0.062**	**21.3**	**7.2**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Beryllium	313.04	0.048	0.43	0.048	U	1	ICPST	5/19/2005	22:59
Cadmium	**226.50**	**0.025**	**0.53**	**0.12**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Calcium	**317.93**	**0.88**	**534**	**107**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Chromium	**267.72**	**0.066**	**0.53**	**3.1**		**1**	**ICPST**	**5/19/2005**	**22:59**
Cobalt	**228.62**	**0.049**	**5.3**	**0.49**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Copper	**324.75**	**0.14**	**2.7**	**2.2**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Iron	**271.44**	**1.4**	**10.7**	**1410**		**1**	**ICPST**	**5/19/2005**	**22:59**
Lead	**220.35**	**0.15**	**0.32**	**4.6**		**1**	**ICPST**	**5/24/2005**	**14:42**
Magnesium	**279.08**	**1.0**	**534**	**91.6**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Manganese	**257.61**	**0.020**	**1.6**	**13.1**		**1**	**ICPST**	**5/19/2005**	**22:59**
Nickel	**231.60**	**0.13**	**4.3**	**1.4**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Potassium	**766.49**	**7.2**	**534**	**54.7**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Selenium	**220.35**	**0.27**	**0.53**	**0.39**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Silver	328.07	0.070	0.53	0.070	U	1	ICPST	5/19/2005	22:59
Sodium	**330.23**	**13.9**	**534**	**277**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Thallium	190.86	0.35	1.1	0.35	U	1	ICPST	5/19/2005	22:59
Vanadium	**292.40**	**0.12**	**5.3**	**4.5**	**B**	**1**	**ICPST**	**5/19/2005**	**22:59**
Zinc	**213.86**	**0.049**	**2.1**	**9.0**		**1**	**ICPST**	**5/19/2005**	**22:59**

Comments: Lot #: C5E050136 Sample #: 10

.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WCC **Client ID:** FT-SB-204-0204

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/13/2005 **Prep Batch:** 5133040

Weight: .6 **Volume:** 100 **Percent Moisture:** 6.291

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.036	0.0043	B	1	CVAA	5/13/2005	9:48

Comments: Lot #: C5E050136 Sample #: 10

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form I Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-0305

GC/MS Volatiles

Lot-Sample #...:	C5E050136-013	**Work Order #...:**	G9WCH1AR	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5126045
Prep Date.....:	05/06/05	**Analysis Date..:**	05/06/05		
Prep Batch #...:	5126055	**Analysis Time..:**	14:48		
Dilution Factor:	0.9	**Initial Wgt/Vol:**	5.55 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	20	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**19 J**	**23**	**ug/kg**	**5.6**
Benzene	**0.96 J**	**5.6**	**ug/kg**	**0.62**
Bromodichloromethane	ND	5.6	ug/kg	0.28
Bromoform	ND	5.6	ug/kg	0.69
Bromomethane	ND	5.6	ug/kg	1.1
2-Butanone	**5.3 J**	**5.6**	**ug/kg**	**1.6**
Carbon disulfide	ND	5.6	ug/kg	0.41
Carbon tetrachloride	ND	5.6	ug/kg	0.28
Chlorobenzene	ND	5.6	ug/kg	0.96
Chloroethane	ND	5.6	ug/kg	1.1
Chloroform	ND	5.6	ug/kg	0.28
Chloromethane	ND	5.6	ug/kg	0.32
Cyclohexane	ND	5.6	ug/kg	0.43
Dibromochloromethane	ND	5.6	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND	5.6	ug/kg	0.52
1,2-Dibromoethane	ND	5.6	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.6	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.6	ug/kg	0.77
1,2-Dichlorobenzene	ND	5.6	ug/kg	1.0
Dichlorodifluoromethane	ND	5.6	ug/kg	0.57
1,1-Dichloroethane	**4.8 J**	**5.6**	**ug/kg**	**0.32**
1,2-Dichloroethane	ND	5.6	ug/kg	0.34
1,1-Dichloroethene	ND	5.6	ug/kg	0.66
cis-1,2-Dichloroethene	**10**	**5.6**	**ug/kg**	**0.84**
trans-1,2-Dichloroethene	ND	5.6	ug/kg	0.74
1,2-Dichloropropane	ND	5.6	ug/kg	0.71
cis-1,3-Dichloropropene	ND	5.6	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.6	ug/kg	0.31
Ethylbenzene	**25**	**5.6**	**ug/kg**	**1.1**
2-Hexanone	ND	5.6	ug/kg	0.92
Isopropylbenzene	**14**	**5.6**	**ug/kg**	**1.3**
Methyl acetate	ND	5.6	ug/kg	2.8
Methylene chloride	ND	5.6	ug/kg	1.5
Methylcyclohexane	**4.3 J**	**5.6**	**ug/kg**	**0.88**
4-Methyl-2-pentanone	ND	5.6	ug/kg	0.95
Methyl tert-butyl ether	ND	5.6	ug/kg	0.46

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Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-0305

GC/MS Volatiles

Lot-Sample #...: C5E050136-013 **Work Order #...:** G9WCH1AR **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.6	ug/kg	0.90
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	0.51
1,2,4-Trichloro-benzene	ND	5.6	ug/kg	1.6
Tetrachloroethene	ND	5.6	ug/kg	0.87
1,1,1-Trichloroethane	ND	5.6	ug/kg	0.31
1,1,2-Trichloroethane	ND	5.6	ug/kg	0.76
Trichloroethene	ND	5.6	ug/kg	0.97
Trichlorofluoromethane	ND	5.6	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg	0.39
Toluene	**38**	**5.6**	**ug/kg**	**0.67**
Vinyl chloride	**1.1 J**	**5.6**	**ug/kg**	**0.74**
Xylenes (total)	**210**	**17**	**ug/kg**	**3.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(61 - 130)
Toluene-d8	108	(60 - 143)
4-Bromofluorobenzene	83	(47 - 158)
Dibromofluoromethane	95	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc.

Client Sample ID: FT-SB-207-0305

HPLC

Lot-Sample #...:	C5E050136-013	**Work Order #...:**	G9WCH1CA	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5137005
Prep Date.....:	05/17/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5137014	**Analysis Time..:**	05:44		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	20	**Analyst ID.....:**	401414	**Instrument ID..:**	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**150**	**41**	**ug/kg**	**4.2**
Acenaphthylene	ND	41	ug/kg	3.7
Acenaphthene	ND	41	ug/kg	9.2
Fluorene	**23 PG**	**8.4**	**ug/kg**	**2.3**
Phenanthrene	**69**	**8.4**	**ug/kg**	**0.54**
Anthracene	**6.4 J**	**8.4**	**ug/kg**	**0.57**
Fluoranthene	ND	8.4	ug/kg	0.68
Pyrene	**53 PG**	**8.4**	**ug/kg**	**0.56**
Benzo(a)anthracene	**37**	**8.4**	**ug/kg**	**0.71**
Chrysene	**29**	**8.4**	**ug/kg**	**0.70**
Benzo(b)fluoranthene	**30**	**8.4**	**ug/kg**	**0.99**
Benzo(k)fluoranthene	**17**	**8.4**	**ug/kg**	**0.82**
Benzo(a)pyrene	**23**	**8.4**	**ug/kg**	**0.75**
Indeno(1,2,3-cd)pyrene	**20**	**8.4**	**ug/kg**	**0.56**
Dibenzo(a,h)anthracene	**5.5 J,PG**	**8.4**	**ug/kg**	**1.3**
Benzo(ghi)perylene	**18 PG**	**8.4**	**ug/kg**	**0.70**
2-Methylnaphthalene	**540**	**41**	**ug/kg**	**3.3**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	51	(49 - 129)
Terphenyl-d14	NC,I	(54 - 126)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-013	Work Order #...:	G9WCH1AK	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5131028
Prep Date.....:	05/11/05	Analysis Date..:	05/20/05		
Prep Batch #...:	5131054	Analysis Time..:	00:12		
Dilution Factor:	2	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	20	Analyst ID.....:	402331	Instrument ID..:	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	4.3	ug/kg	0.36
beta-BHC	ND	4.3	ug/kg	0.56
delta-BHC	ND	4.3	ug/kg	0.46
gamma-BHC (Lindane)	ND	4.3	ug/kg	0.35
Heptachlor	ND	4.3	ug/kg	0.40
Aldrin	ND	4.3	ug/kg	0.53
Heptachlor epoxide	ND	4.3	ug/kg	0.51
Endosulfan I	**1.5 J,PG**	**4.3**	**ug/kg**	**0.41**
Dieldrin	**1.5 J,PG**	**4.3**	**ug/kg**	**0.41**
4,4'-DDE	**4.6**	**4.3**	**ug/kg**	**0.52**
Endrin	ND	4.3	ug/kg	0.42
Endrin ketone	ND	4.3	ug/kg	0.55
Endrin aldehyde	ND	4.3	ug/kg	0.91
Endosulfan II	ND	4.3	ug/kg	0.65
4,4'-DDD	**4.8**	**4.3**	**ug/kg**	**0.41**
Endosulfan sulfate	**3.8 J**	**4.3**	**ug/kg**	**0.58**
4,4'-DDT	ND	4.3	ug/kg	0.45
Methoxychlor	ND	8.3	ug/kg	0.92
alpha-Chlordane	ND	4.3	ug/kg	0.55
gamma-Chlordane	**1.0 J,PG**	**4.3**	**ug/kg**	**0.53**
Toxaphene	ND	170	ug/kg	5.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(31 - 131)
Decachlorobiphenyl	87	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-207-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-013	**Work Order #...:**	G9WCH1AL	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	19:09		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	20	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	41	ug/kg	33
Aroclor 1221	ND	41	ug/kg	16
Aroclor 1232	ND	41	ug/kg	20
Aroclor 1242	ND	41	ug/kg	14
Aroclor 1248	**67**	**41**	**ug/kg**	**15**
Aroclor 1254	ND	41	ug/kg	5.5
Aroclor 1260	**140**	**41**	**ug/kg**	**4.6**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(31 - 127)
Decachlorobiphenyl	85	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WCH **Client ID:** FT-SB-207-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 20.168

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**3.2**	**25.1**	**1780**		**1**	**ICPST**	**5/19/2005**	**23:16**
Antimony	220.35	0.39	1.3	0.39	U	1	ICPST	5/19/2005	23:16
Arsenic	**189.04**	**0.19**	**1.3**	**0.65**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Barium	**493.41**	**0.073**	**25.1**	**11.8**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Beryllium	313.04	0.056	0.50	0.056	U	1	ICPST	5/19/2005	23:16
Cadmium	**226.50**	**0.029**	**0.63**	**0.31**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Calcium	**317.93**	**1.0**	**626**	**1680**		**1**	**ICPST**	**5/19/2005**	**23:16**
Chromium	**267.72**	**0.078**	**0.63**	**8.6**		**1**	**ICPST**	**5/19/2005**	**23:16**
Cobalt	**228.62**	**0.058**	**6.3**	**5.7**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Copper	**324.75**	**0.16**	**3.1**	**6.9**		**1**	**ICPST**	**5/19/2005**	**23:16**
Iron	**271.44**	**1.6**	**12.5**	**1780**		**1**	**ICPST**	**5/19/2005**	**23:16**
Lead	**220.35**	**0.18**	**0.38**	**18.1**		**1**	**ICPST**	**5/24/2005**	**14:47**
Magnesium	**279.08**	**1.2**	**626**	**268**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Manganese	**257.61**	**0.024**	**1.9**	**28.1**		**1**	**ICPST**	**5/19/2005**	**23:16**
Nickel	**231.60**	**0.15**	**5.0**	**1.1**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Potassium	**766.49**	**8.4**	**626**	**103**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Selenium	220.35	0.31	0.63	0.31	U	1	ICPST	5/19/2005	23:16
Silver	328.07	0.083	0.63	0.083	U	1	ICPST	5/19/2005	23:16
Sodium	**330.23**	**16.3**	**626**	**448**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Thallium	190.86	0.41	1.3	0.41	U	1	ICPST	5/19/2005	23:16
Vanadium	**292.40**	**0.14**	**6.3**	**5.6**	**B**	**1**	**ICPST**	**5/19/2005**	**23:16**
Zinc	**213.86**	**0.058**	**2.5**	**18.2**		**1**	**ICPST**	**5/19/2005**	**23:16**

Comments: Lot #: C5E050136 Sample #: 13

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WCH **Client ID:** FT-SB-207-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/13/2005 **Prep Batch:** 5133040

Weight: .6 **Volume:** 100 **Percent Moisture:** 20.168

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0035	0.042	0.028	B	1	CVAA	5/13/2005	9:49

Comments: Lot #: C5E050136 Sample #: 13

4.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-209-0305

GC/MS Volatiles

Lot-Sample #...:	C5E070137-004	Work Order #...:	G932G1AR	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5138049
Prep Date.....:	05/18/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5138072	Analysis Time..:	17:35		
Dilution Factor:	0.95	Initial Wgt/Vol:	5.25 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	5.2	Analyst ID.....:	010099	Instrument ID..:	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/kg	5.0
Benzene	ND	5.0	ug/kg	0.55
Bromodichloromethane	ND	5.0	ug/kg	0.25
Bromoform	ND	5.0	ug/kg	0.61
Bromomethane	ND	5.0	ug/kg	0.93
2-Butanone	ND	5.0	ug/kg	1.4
Carbon disulfide	ND	5.0	ug/kg	0.36
Carbon tetrachloride	ND	5.0	ug/kg	0.25
Chlorobenzene	ND	5.0	ug/kg	0.85
Chloroethane	ND	5.0	ug/kg	0.94
Chloroform	ND	5.0	ug/kg	0.25
Chloromethane	ND	5.0	ug/kg	0.29
Cyclohexane	ND	5.0	ug/kg	0.38
Dibromochloromethane	ND	5.0	ug/kg	0.26
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/kg	0.47
1,2-Dibromoethane	ND	5.0	ug/kg	0.27
1,3-Dichlorobenzene	ND	5.0	ug/kg	0.91
1,4-Dichlorobenzene	ND	5.0	ug/kg	0.68
1,2-Dichlorobenzene	ND	5.0	ug/kg	0.93
Dichlorodifluoromethane	ND	5.0	ug/kg	0.51
1,1-Dichloroethane	ND	5.0	ug/kg	0.29
1,2-Dichloroethane	ND	5.0	ug/kg	0.30
1,1-Dichloroethene	ND	5.0	ug/kg	0.59
cis-1,2-Dichloroethene	ND	5.0	ug/kg	0.75
trans-1,2-Dichloroethene	ND	5.0	ug/kg	0.65
1,2-Dichloropropane	ND	5.0	ug/kg	0.63
cis-1,3-Dichloropropene	ND	5.0	ug/kg	0.29
trans-1,3-Dichloropropene	ND	5.0	ug/kg	0.28
Ethylbenzene	ND	5.0	ug/kg	0.93
2-Hexanone	ND	5.0	ug/kg	0.82
Isopropylbenzene	ND	5.0	ug/kg	1.1
Methyl acetate	ND	5.0	ug/kg	2.5
Methylene chloride	ND	5.0	ug/kg	1.3
Methylcyclohexane	ND	5.0	ug/kg	0.78
4-Methyl-2-pentanone	ND	5.0	ug/kg	0.85
Methyl tert-butyl ether	ND	5.0	ug/kg	0.41

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-209-0305

GC/MS Volatiles

Lot-Sample #...: C5E070137-004 **Work Order #...:** G932G1AR **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.0	ug/kg	0.80
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	0.45
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	1.4
Tetrachloroethene	ND	5.0	ug/kg	0.77
1,1,1-Trichloroethane	ND	5.0	ug/kg	0.27
1,1,2-Trichloroethane	ND	5.0	ug/kg	0.68
Trichloroethene	ND	5.0	ug/kg	0.86
Trichlorofluoromethane	ND	5.0	ug/kg	1.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/kg	0.35
Toluene	ND	5.0	ug/kg	0.59
Vinyl chloride	ND	5.0	ug/kg	0.66
Xylenes (total)	ND	15	ug/kg	2.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(61 - 130)
Toluene-d8	96	(60 - 143)
4-Bromofluorobenzene	92	(47 - 158)
Dibromofluoromethane	95	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-209-0305

HPLC

Lot-Sample #...:	C5E070137-004	Work Order #...:	G932G1AL	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5133030
Prep Date.....:	05/13/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5133050	Analysis Time..:	02:38		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	5.2	Analyst ID.....:	014878	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	35	ug/kg	3.6
Acenaphthylene	ND	35	ug/kg	3.1
Acenaphthene	ND	35	ug/kg	7.7
Fluorene	ND	7.1	ug/kg	1.9
Phenanthrene	**3.3 J**	**7.1**	**ug/kg**	**0.46**
Anthracene	ND	7.1	ug/kg	0.48
Fluoranthene	ND	7.1	ug/kg	0.58
Pyrene	**0.60 J,PG**	**7.1**	**ug/kg**	**0.47**
Benzo(a)anthracene	ND	7.1	ug/kg	0.60
Chrysene	ND	7.1	ug/kg	0.59
Benzo(b)fluoranthene	ND	7.1	ug/kg	0.83
Benzo(k)fluoranthene	ND	7.1	ug/kg	0.69
Benzo(a)pyrene	ND	7.1	ug/kg	0.63
Indeno(1,2,3-cd)pyrene	ND	7.1	ug/kg	0.48
Dibenzo(a,h)anthracene	ND	7.1	ug/kg	1.1
Benzo(ghi)perylene	ND	7.1	ug/kg	0.59
2-Methylnaphthalene	**4.9 J,PG**	**35**	**ug/kg**	**2.8**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	49	(49 - 129)
Terphenyl-d14	50 *	(54 - 126)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-209-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-004	**Work Order #...:**	G932G1AJ	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	17:00		
Dilution Factor:	1				
% Moisture.....:	5.2	**Method.....:**	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.8	ug/kg
beta-BHC	ND	1.8	ug/kg
delta-BHC	ND	1.8	ug/kg
gamma-BHC (Lindane)	ND	1.8	ug/kg
Heptachlor	ND	1.8	ug/kg
Aldrin	ND	1.8	ug/kg
Heptachlor epoxide	ND	1.8	ug/kg
Endosulfan I	ND	1.8	ug/kg
Dieldrin	ND	1.8	ug/kg
4,4'-DDE	**0.25 J,PG**	**1.8**	**ug/kg**
Endrin	**0.27 J,PG**	**1.8**	**ug/kg**
Endrin ketone	ND	1.8	ug/kg
Endrin aldehyde	ND	1.8	ug/kg
Endosulfan II	**0.77 J,PG**	**1.8**	**ug/kg**
4,4'-DDD	ND	1.8	ug/kg
Endosulfan sulfate	ND	1.8	ug/kg
4,4'-DDT	**3.0**	**1.8**	**ug/kg**
Methoxychlor	ND	3.5	ug/kg
alpha-Chlordane	**0.72 J,PG**	**1.8**	**ug/kg**
gamma-Chlordane	**0.92 J**	**1.8**	**ug/kg**
Toxaphene	ND	71	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(31 - 131)
Decachlorobiphenyl	93	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-209-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-004	Work Order #...:	G932G1AK	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5131032
Prep Date.....:	05/11/05	Analysis Date..:	05/23/05		
Prep Batch #...:	5131061	Analysis Time..:	21:41		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	5.2	Analyst ID.....:	402360	Instrument ID..:	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	13
Aroclor 1232	ND	35	ug/kg	17
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	ND	35	ug/kg	4.7
Aroclor 1260	ND	35	ug/kg	3.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(31 - 127)
Decachlorobiphenyl	78	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932G **Client ID:** FT-SB-209-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 5.245

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**21.1**	**3590**		**1**	**ICPST**	**5/23/2005**	**13:48**
Antimony	206.84	0.27	1.1	0.27	U	1	ICPST	5/23/2005	13:48
Arsenic	**189.04**	**0.21**	**1.1**	**0.97**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Barium	**493.41**	**0.017**	**21.1**	**5.7**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Beryllium	**313.04**	**0.013**	**0.53**	**0.17**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Cadmium	226.50	0.023	0.53	0.023	U	1	ICPST	5/23/2005	13:48
Calcium	**317.93**	**2.8**	**528**	**38.4**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Chromium	**267.72**	**0.042**	**0.53**	**4.6**		**1**	**ICPST**	**5/23/2005**	**13:48**
Cobalt	**228.62**	**0.044**	**5.3**	**1.1**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Copper	**324.75**	**0.097**	**2.6**	**1.8**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Iron	**271.44**	**1.7**	**10.6**	**3620**		**1**	**ICPST**	**5/23/2005**	**13:48**
Lead	**220.35**	**0.18**	**0.32**	**2.2**		**1**	**ICPST**	**5/23/2005**	**13:48**
Magnesium	**279.08**	**1.6**	**528**	**327**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Manganese	**257.61**	**0.12**	**1.6**	**23.2**		**1**	**ICPST**	**5/23/2005**	**13:48**
Nickel	**231.60**	**0.058**	**4.2**	**1.6**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Potassium	**766.49**	**0.51**	**528**	**101**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Selenium	**220.35**	**0.18**	**0.53**	**0.19**	**B**	**1**	**ICPST**	**5/23/2005**	**13:48**
Silver	328.07	0.042	0.53	0.042	U	1	ICPST	5/23/2005	13:48
Sodium	330.23	11.1	528	11.1	U	1	ICPST	5/23/2005	13:48
Thallium	190.86	0.23	1.1	0.23	U	1	ICPST	5/23/2005	13:48
Vanadium	**292.40**	**0.041**	**5.3**	**7.6**		**1**	**ICPST**	**5/23/2005**	**13:48**
Zinc	**206.2**	**0.11**	**2.1**	**6.8**		**1**	**ICPST**	**5/23/2005**	**13:48**

Comments: Lot #: C5E070137 Sample #: 4

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form I Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932G **Client ID:** FT-SB-209-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/19/2005 **Prep Batch:** 5139126

Weight: .6 **Volume:** 100 **Percent Moisture:** 5.245

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.035	0.0079	B	1	CVAA	5/19/2005	15:43

Comments: Lot #: C5E070137 Sample #: 4

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-210-0406

HPLC

Lot-Sample #...:	C5E060132-002	Work Order #...:	G905C1A9	Matrix.....:	SOLID
Date Sampled...:	05/05/05	Date Received..:	05/06/05	MS Run #.....:	5137005
Prep Date.....:	05/17/05	Analysis Date..:	05/17/05		
Prep Batch #...:	5137014	Analysis Time..:	19:39		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	5.3	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	35	ug/kg	3.6
Acenaphthylene	ND	35	ug/kg	3.2
Acenaphthene	ND	35	ug/kg	7.7
Fluorene	ND	7.1	ug/kg	1.9
Phenanthrene	**38**	**7.1**	**ug/kg**	**0.46**
Anthracene	**5.3 J,PG**	**7.1**	**ug/kg**	**0.48**
Fluoranthene	**63**	**7.1**	**ug/kg**	**0.58**
Pyrene	**62**	**7.1**	**ug/kg**	**0.47**
Benzo(a)anthracene	**30**	**7.1**	**ug/kg**	**0.60**
Chrysene	**30**	**7.1**	**ug/kg**	**0.59**
Benzo(b)fluoranthene	**30**	**7.1**	**ug/kg**	**0.83**
Benzo(k)fluoranthene	**19**	**7.1**	**ug/kg**	**0.69**
Benzo(a)pyrene	**27**	**7.1**	**ug/kg**	**0.63**
Indeno(1,2,3-cd)pyrene	**31 PG**	**7.1**	**ug/kg**	**0.48**
Dibenzo(a,h)anthracene	**11 PG**	**7.1**	**ug/kg**	**1.1**
Benzo(ghi)perylene	**51**	**7.1**	**ug/kg**	**0.59**
2-Methylnaphthalene	ND	35	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	81	(49 - 129)
Terphenyl-d14	57	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-210-0406

GC Semivolatiles

Lot-Sample #...:	C5B060132-002	**Work Order #...:**	G905C1A7	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132004
Prep Date.....:	05/12/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5132012	**Analysis Time..:**	09:33		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	5.3	**Analyst ID.....:**	402331	**Instrument ID..:**	W/X
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.15
beta-BHC	ND	1.8	ug/kg	0.23
delta-BHC	ND	1.8	ug/kg	0.19
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.15
Heptachlor	ND	1.8	ug/kg	0.17
Aldrin	ND	1.8	ug/kg	0.22
Heptachlor epoxide	ND	1.8	ug/kg	0.22
Endosulfan I	ND	1.8	ug/kg	0.17
Dieldrin	**4.4**	**1.8**	**ug/kg**	**0.17**
4,4'-DDE	ND	1.8	ug/kg	0.22
Endrin	**4.8 PG**	**1.8**	**ug/kg**	**0.18**
Endrin ketone	ND	1.8	ug/kg	0.23
Endrin aldehyde	**1.1 J,PG**	**1.8**	**ug/kg**	**0.38**
Endosulfan II	**6.5**	**1.8**	**ug/kg**	**0.27**
4,4'-DDD	**0.48 J,PG**	**1.8**	**ug/kg**	**0.17**
Endosulfan sulfate	ND	1.8	ug/kg	0.24
4,4'-DDT	ND	1.8	ug/kg	0.19
Methoxychlor	ND	3.5	ug/kg	0.39
alpha-Chlordane	**4.9**	**1.8**	**ug/kg**	**0.23**
gamma-Chlordane	**1.6 J,PG**	**1.8**	**ug/kg**	**0.22**
Toxaphene	ND	71	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	64	(31 - 131)
Decachlorobiphenyl	88	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-210-0406

GC Semivolatiles

Lot-Sample #...:	C5E060132-002	**Work Order #...:**	G905C1A8	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132005
Prep Date.....:	05/12/05	**Analysis Date..:**	05/22/05		
Prep Batch #...:	5132013	**Analysis Time..:**	02:27		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	5.3	**Method.....:**	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	14
Aroclor 1232	ND	35	ug/kg	17
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	ND	35	ug/kg	4.7
Aroclor 1260	**170**	**35**	**ug/kg**	**3.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(31 - 127)
Decachlorobiphenyl	84	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905C **Client ID:** FT-SB-210-0406

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 5.331

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	1.5	21.1	1420		1	ICPST	5/23/2005	12:35
Antimony	206.84	0.27	1.1	0.43	B	1	ICPST	5/23/2005	12:35
Arsenic	189.04	0.21	1.1	0.65	B	1	ICPST	5/23/2005	12:35
Barium	493.41	0.017	21.1	5.3	B	1	ICPST	5/23/2005	12:35
Beryllium	313.04	0.013	0.53	0.095	B	1	ICPST	5/23/2005	12:35
Cadmium	226.50	0.023	0.53	0.18	B	1	ICPST	5/23/2005	12:35
Calcium	317.93	2.8	528	35.0	B	1	ICPST	5/23/2005	12:35
Chromium	267.72	0.042	0.53	8.2		1	ICPST	5/23/2005	12:35
Cobalt	228.62	0.044	5.3	0.62	B	1	ICPST	5/23/2005	12:35
Copper	324.75	0.097	2.6	2.4	B	1	ICPST	5/23/2005	12:35
Iron	271.44	1.7	10.6	2140		1	ICPST	5/23/2005	12:35
Lead	220.35	0.18	0.32	14.4		1	ICPST	5/23/2005	12:35
Magnesium	279.08	1.6	528	179	B	1	ICPST	5/23/2005	12:35
Manganese	257.61	0.12	1.6	10.9		1	ICPST	5/23/2005	12:35
Nickel	231.60	0.058	4.2	1.2	B	1	ICPST	5/23/2005	12:35
Potassium	766.49	0.51	528	86.7	BE	1	ICPST	5/23/2005	12:35
Selenium	220.35	0.18	0.53	0.18	U	1	ICPST	5/23/2005	12:35
Silver	328.07	0.042	0.53	0.042	U	1	ICPST	5/23/2005	12:35
Sodium	330.23	11.1	528	15.8	B	1	ICPST	5/23/2005	12:35
Thallium	190.86	0.23	1.1	0.23	U	1	ICPST	5/23/2005	12:35
Vanadium	292.40	0.041	5.3	4.4	B	1	ICPST	5/23/2005	12:35
Zinc	206.2	0.11	2.1	8.3		1	ICPST	5/23/2005	12:35

Comments: Lot #: C5E060132 Sample #: 2

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905C **Client ID:** FT-SB-210-0406

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/16/2005 **Prep Batch:** 5136396

Weight: .6 **Volume:** 100 **Percent Moisture:** 5.331

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.035	0.013	B	1	CVAA	5/16/2005	17:12

Comments: Lot #: C5E060132 Sample #: 2

04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-211-0305

GC/MS Volatiles

Lot-Sample #...:	C5E060132-005	**Work Order #...:**	G905F1AF	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5136052
Prep Date.....:	05/16/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5136059	**Analysis Time..:**	09:12		
Dilution Factor:	0.94	**Initial Wgt/Vol:**	5.34 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	23	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**25**	**25**	**ug/kg**	**6.1**
Benzene	ND	6.1	ug/kg	0.67
Bromodichloromethane	ND	6.1	ug/kg	0.31
Bromoform	ND	6.1	ug/kg	0.75
Bromomethane	ND	6.1	ug/kg	1.1
2-Butanone	**8.8**	**6.1**	**ug/kg**	**1.7**
Carbon disulfide	ND	6.1	ug/kg	0.44
Carbon tetrachloride	ND	6.1	ug/kg	0.31
Chlorobenzene	ND	6.1	ug/kg	1.0
Chloroethane	ND	6.1	ug/kg	1.2
Chloroform	ND	6.1	ug/kg	0.31
Chloromethane	ND	6.1	ug/kg	0.35
Cyclohexane	ND	6.1	ug/kg	0.46
Dibromochloromethane	ND	6.1	ug/kg	0.32
1,2-Dibromo-3-chloro-propane	ND	6.1	ug/kg	0.57
1,2-Dibromoethane	ND	6.1	ug/kg	0.33
1,3-Dichlorobenzene	ND	6.1	ug/kg	1.1
1,4-Dichlorobenzene	ND	6.1	ug/kg	0.84
1,2-Dichlorobenzene	ND	6.1	ug/kg	1.1
Dichlorodifluoromethane	ND	6.1	ug/kg	0.62
1,1-Dichloroethane	ND	6.1	ug/kg	0.35
1,2-Dichloroethane	ND	6.1	ug/kg	0.37
1,1-Dichloroethene	ND	6.1	ug/kg	0.72
cis-1,2-Dichloroethene	ND	6.1	ug/kg	0.92
trans-1,2-Dichloroethene	ND	6.1	ug/kg	0.80
1,2-Dichloropropane	ND	6.1	ug/kg	0.77
cis-1,3-Dichloropropene	ND	6.1	ug/kg	0.35
trans-1,3-Dichloropropene	ND	6.1	ug/kg	0.34
Ethylbenzene	**11**	**6.1**	**ug/kg**	**1.1**
2-Hexanone	ND	6.1	ug/kg	1.0
Isopropylbenzene	**7.2**	**6.1**	**ug/kg**	**1.4**
Methyl acetate	ND	6.1	ug/kg	3.1
Methylene chloride	ND	6.1	ug/kg	1.6
Methylcyclohexane	**7.5**	**6.1**	**ug/kg**	**0.96**
4-Methyl-2-pentanone	ND	6.1	ug/kg	1.0
Methyl tert-butyl ether	ND	6.1	ug/kg	0.50

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-211-0305

GC/MS Volatiles

Lot-Sample #...: C5E060132-005 **Work Order #...:** G905F1AF **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	6.1	ug/kg	0.98
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg	0.55
1,2,4-Trichloro-benzene	ND	6.1	ug/kg	1.7
Tetrachloroethene	ND	6.1	ug/kg	0.94
1,1,1-Trichloroethane	ND	6.1	ug/kg	0.33
1,1,2-Trichloroethane	ND	6.1	ug/kg	0.83
Trichloroethene	ND	6.1	ug/kg	1.1
Trichlorofluoromethane	ND	6.1	ug/kg	1.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.1	ug/kg	0.43
Toluene	**0.99 J**	**6.1**	**ug/kg**	**0.73**
Vinyl chloride	ND	6.1	ug/kg	0.81
Xylenes (total)	**98**	**18**	**ug/kg**	**3.4**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(61 - 130)
Toluene-d8	121	(60 - 143)
4-Bromofluorobenzene	86	(47 - 158)
Dibromofluoromethane	98	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-211-0305

HPLC

Lot-Sample #...:	C5E060132-005	Work Order #...:	G905F1CA	Matrix.....:	SOLID
Date Sampled...:	05/05/05	Date Received..:	05/06/05	MS Run #.....:	5137005
Prep Date.....:	05/17/05	Analysis Date..:	05/17/05		
Prep Batch #...:	5137014	Analysis Time..:	21:00		
Dilution Factor:	3	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	23	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	130	ug/kg	13
Acenaphthylene	ND	130	ug/kg	3.9
Acenaphthene	ND	130	ug/kg	29
Fluorene	**12 J,PG**	**26**	**ug/kg**	**7.1**
Phenanthrene	**130**	**26**	**ug/kg**	**1.7**
Anthracene	**26**	**26**	**ug/kg**	**1.8**
Fluoranthene	**170**	**26**	**ug/kg**	**2.1**
Pyrene	**160**	**26**	**ug/kg**	**1.7**
Benzo(a)anthracene	**73**	**26**	**ug/kg**	**2.2**
Chrysene	**68**	**26**	**ug/kg**	**2.2**
Benzo(b)fluoranthene	ND	26	ug/kg	3.1
Benzo(k)fluoranthene	**43**	**26**	**ug/kg**	**2.6**
Benzo(a)pyrene	**80**	**26**	**ug/kg**	**2.4**
Indeno(1,2,3-cd)pyrene	**59 PG**	**26**	**ug/kg**	**1.8**
Dibenzo(a,h)anthracene	**19 J,PG**	**26**	**ug/kg**	**4.1**
Benzo(ghi)perylene	**120**	**26**	**ug/kg**	**2.2**
2-Methylnaphthalene	ND	130	ug/kg	10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	47 *	(49 - 129)
Terphenyl-d14	67	(54 - 126)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-211-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-005	Work Order #...:	G905F1A8	Matrix.....:	SOLID
Date Sampled...:	05/05/05	Date Received..:	05/06/05	MS Run #.....:	5132004
Prep Date.....:	05/12/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5132012	Analysis Time..:	10:57		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	23	Analyst ID.....:	402331	Instrument ID..:	W/X
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.2	ug/kg	0.19
beta-BHC	ND	2.2	ug/kg	0.29
delta-BHC	ND	2.2	ug/kg	0.24
gamma-BHC (Lindane)	ND	2.2	ug/kg	0.18
Heptachlor	ND	2.2	ug/kg	0.21
Aldrin	ND	2.2	ug/kg	0.28
Heptachlor epoxide	ND	2.2	ug/kg	0.27
Endosulfan I	ND	2.2	ug/kg	0.21
Dieldrin	ND	2.2	ug/kg	0.21
4,4'-DDE	**0.51 J,PG**	**2.2**	**ug/kg**	**0.27**
Endrin	**0.83 J**	**2.2**	**ug/kg**	**0.22**
Endrin ketone	ND	2.2	ug/kg	0.29
Endrin aldehyde	ND	2.2	ug/kg	0.47
Endosulfan II	ND	2.2	ug/kg	0.34
4,4'-DDD	**2.9**	**2.2**	**ug/kg**	**0.21**
Endosulfan sulfate	**0.30 J,PG**	**2.2**	**ug/kg**	**0.30**
4,4'-DDT	**2.8**	**2.2**	**ug/kg**	**0.24**
Methoxychlor	ND	4.3	ug/kg	0.48
alpha-Chlordane	**3.5**	**2.2**	**ug/kg**	**0.29**
gamma-Chlordane	**0.70 J**	**2.2**	**ug/kg**	**0.28**
Toxaphene	ND	88	ug/kg	3.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	62	(31 - 131)
Decachlorobiphenyl	82	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-211-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-005	**Work Order #...:**	G905F1A9	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132005
Prep Date.....:	05/12/05	**Analysis Date..:**	05/22/05		
Prep Batch #...:	5132013	**Analysis Time..:**	03:32		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	23	**Method.....:**	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	43	ug/kg	35
Aroclor 1221	ND	43	ug/kg	17
Aroclor 1232	ND	43	ug/kg	21
Aroclor 1242	ND	43	ug/kg	15
Aroclor 1248	ND	43	ug/kg	16
Aroclor 1254	ND	43	ug/kg	5.8
Aroclor 1260	ND	43	ug/kg	4.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	54	(31 - 127)
Decachlorobiphenyl	81	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905F **Client ID:** FT-SB-211-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 23.443

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.9**	**26.1**	**2180**		**1**	**ICPST**	**5/23/2005**	**12:51**
Antimony	206.84	0.34	1.3	0.34	U	1	ICPST	5/23/2005	12:51
Arsenic	**189.04**	**0.26**	**1.3**	**1.0**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Barium	**493.41**	**0.021**	**26.1**	**16.1**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Beryllium	**313.04**	**0.016**	**0.65**	**0.19**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Cadmium	**226.50**	**0.029**	**0.65**	**0.094**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Calcium	**317.93**	**3.5**	**653**	**913**		**1**	**ICPST**	**5/23/2005**	**12:51**
Chromium	**267.72**	**0.052**	**0.65**	**7.1**		**1**	**ICPST**	**5/23/2005**	**12:51**
Cobalt	**228.62**	**0.055**	**6.5**	**0.55**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Copper	**324.75**	**0.12**	**3.3**	**2.6**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Iron	**271.44**	**2.1**	**13.1**	**1920**		**1**	**ICPST**	**5/23/2005**	**12:51**
Lead	**220.35**	**0.22**	**0.39**	**6.2**		**1**	**ICPST**	**5/23/2005**	**12:51**
Magnesium	**279.08**	**2.0**	**653**	**149**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Manganese	**257.61**	**0.14**	**2.0**	**19.4**		**1**	**ICPST**	**5/23/2005**	**12:51**
Nickel	**231.60**	**0.072**	**5.2**	**1.4**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Potassium	**766.49**	**0.63**	**653**	**62.0**	**BE**	**1**	**ICPST**	**5/23/2005**	**12:51**
Selenium	**220.35**	**0.22**	**0.65**	**0.38**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Silver	**328.07**	**0.052**	**0.65**	**0.055**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Sodium	**330.23**	**13.7**	**653**	**26.9**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Thallium	190.86	0.29	1.3	0.29	U	1	ICPST	5/23/2005	12:51
Vanadium	**292.40**	**0.051**	**6.5**	**5.8**	**B**	**1**	**ICPST**	**5/23/2005**	**12:51**
Zinc	**206.2**	**0.13**	**2.6**	**16.4**		**1**	**ICPST**	**5/23/2005**	**12:51**

Comments: Lot #: C5E060132 Sample #: 5

`4.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905F **Client ID:** FT-SB-211-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/16/2005 **Prep Batch:** 5136396

Weight: .6 **Volume:** 100 **Percent Moisture:** 23.443

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0037	0.044	0.028	B	1	CVAA	5/16/2005	17:17

Comments: Lot #: C5E060132 Sample #: 5

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form I Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-213-0305

GC/MS Volatiles

Lot-Sample #...:	C5E060132-006	**Work Order #...:**	G905H1CM	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5136052
Prep Date.....:	05/16/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5136059	**Analysis Time..:**	07:18		
Dilution Factor:	1.04	**Initial Wgt/Vol:**	4.79 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.2	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	22	ug/kg	5.4
Benzene	ND	5.4	ug/kg	0.59
Bromodichloromethane	ND	5.4	ug/kg	0.27
Bromoform	ND	5.4	ug/kg	0.66
Bromomethane	ND	5.4	ug/kg	1.0
2-Butanone	ND	5.4	ug/kg	1.5
Carbon disulfide	ND	5.4	ug/kg	0.39
Carbon tetrachloride	ND	5.4	ug/kg	0.27
Chlorobenzene	ND	5.4	ug/kg	0.92
Chloroethane	ND	5.4	ug/kg	1.0
Chloroform	ND	5.4	ug/kg	0.27
Chloromethane	ND	5.4	ug/kg	0.31
Cyclohexane	ND	5.4	ug/kg	0.41
Dibromochloromethane	ND	5.4	ug/kg	0.28
1,2-Dibromo-3-chloro-propane	ND	5.4	ug/kg	0.51
1,2-Dibromoethane	ND	5.4	ug/kg	0.29
1,3-Dichlorobenzene	ND	5.4	ug/kg	0.99
1,4-Dichlorobenzene	ND	5.4	ug/kg	0.74
1,2-Dichlorobenzene	ND	5.4	ug/kg	1.0
Dichlorodifluoromethane	ND	5.4	ug/kg	0.55
1,1-Dichloroethane	ND	5.4	ug/kg	0.31
1,2-Dichloroethane	ND	5.4	ug/kg	0.33
1,1-Dichloroethene	ND	5.4	ug/kg	0.64
cis-1,2-Dichloroethene	ND	5.4	ug/kg	0.81
trans-1,2-Dichloroethene	ND	5.4	ug/kg	0.71
1,2-Dichloropropane	ND	5.4	ug/kg	0.68
cis-1,3-Dichloropropene	ND	5.4	ug/kg	0.31
trans-1,3-Dichloropropene	ND	5.4	ug/kg	0.30
Ethylbenzene	ND	5.4	ug/kg	1.0
2-Hexanone	ND	5.4	ug/kg	0.88
Isopropylbenzene	ND	5.4	ug/kg	1.2
Methyl acetate	ND	5.4	ug/kg	2.7
Methylene chloride	ND	5.4	ug/kg	1.4
Methylcyclohexane	ND	5.4	ug/kg	0.85
4-Methyl-2-pentanone	ND	5.4	ug/kg	0.92
Methyl tert-butyl ether	ND	5.4	ug/kg	0.45

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-213-0305

GC/MS Volatiles

Lot-Sample #...: C5E060132-006 **Work Order #...:** G905H1CM **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.4	ug/kg	0.87
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	0.49
1,2,4-Trichloro-benzene	ND	5.4	ug/kg	1.5
Tetrachloroethene	ND	5.4	ug/kg	0.83
1,1,1-Trichloroethane	ND	5.4	ug/kg	0.29
1,1,2-Trichloroethane	ND	5.4	ug/kg	0.74
Trichloroethene	ND	5.4	ug/kg	0.93
Trichlorofluoromethane	ND	5.4	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.4	ug/kg	0.38
Toluene	ND	5.4	ug/kg	0.64
Vinyl chloride	ND	5.4	ug/kg	0.71
Xylenes (total)	ND	16	ug/kg	3.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	77	(61 - 130)
Toluene-d8	104	(60 - 143)
4-Bromofluorobenzene	85	(47 - 158)
Dibromofluoromethane	90	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-213-0305

HPLC

Lot-Sample #...:	C5E060132-006	Work Order #...:	G905H1D8	Matrix.....:	SOLID
Date Sampled...:	05/05/05	Date Received..:	05/06/05	MS Run #.....:	5137005
Prep Date.....:	05/17/05	Analysis Date..:	05/17/05		
Prep Batch #...:	5137014	Analysis Time..:	16:59		
Dilution Factor:	3	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	4.2	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	100	ug/kg	11
Acenaphthylene	ND	100	ug/kg	3.1
Acenaphthene	ND	100	ug/kg	23
Fluorene	9.1 J	21	ug/kg	5.7
Phenanthrene	69	21	ug/kg	1.4
Anthracene	12 J	21	ug/kg	1.4
Fluoranthene	150	21	ug/kg	1.7
Pyrene	160	21	ug/kg	1.4
Benzo(a)anthracene	84	21	ug/kg	1.8
Chrysene	82	21	ug/kg	1.8
Benzo(b)fluoranthene	97	21	ug/kg	2.5
Benzo(k)fluoranthene	62	21	ug/kg	2.1
Benzo(a)pyrene	100	21	ug/kg	1.9
Indeno(1,2,3-cd)pyrene	86	21	ug/kg	1.4
Dibenzo(a,h)anthracene	25 PG	21	ug/kg	3.3
Benzo(ghi)perylene	79 PG	21	ug/kg	1.8
2-Methylnaphthalene	ND	100	ug/kg	8.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	158 *	(49 - 129)
Terphenyl-d14	68	(54 - 126)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-213-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-006	Work Order #...:	G905H1A4	Matrix.....:	SOLID
Date Sampled...:	05/05/05	Date Received..:	05/06/05	MS Run #.....:	5132004
Prep Date.....:	05/12/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5132012	Analysis Time..:	11:25		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	4.2	Analyst ID.....:	402331	Instrument ID..:	W/X
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.15
beta-BHC	ND	1.8	ug/kg	0.23
delta-BHC	ND	1.8	ug/kg	0.19
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.15
Heptachlor	ND	1.8	ug/kg	0.17
Aldrin	ND	1.8	ug/kg	0.22
Heptachlor epoxide	ND	1.8	ug/kg	0.21
Endosulfan I	ND	1.8	ug/kg	0.17
Dieldrin	ND	1.8	ug/kg	0.17
4,4'-DDE	**0.39 J,PG**	**1.8**	**ug/kg**	**0.22**
Endrin	**0.37 J,PG**	**1.8**	**ug/kg**	**0.17**
Endrin ketone	ND	1.8	ug/kg	0.23
Endrin aldehyde	ND	1.8	ug/kg	0.38
Endosulfan II	**0.68 J,PG**	**1.8**	**ug/kg**	**0.27**
4,4'-DDD	**0.39 J,PG**	**1.8**	**ug/kg**	**0.17**
Endosulfan sulfate	ND	1.8	ug/kg	0.24
4,4'-DDT	**2.5**	**1.8**	**ug/kg**	**0.19**
Methoxychlor	ND	3.4	ug/kg	0.38
alpha-Chlordane	**0.69 J,PG**	**1.8**	**ug/kg**	**0.23**
gamma-Chlordane	**0.46 J**	**1.8**	**ug/kg**	**0.22**
Toxaphene	ND	70	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	52	(31 - 131)
Decachlorobiphenyl	72	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-213-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-006	**Work Order #...:**	G905H1A7	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132005
Prep Date.....:	05/12/05	**Analysis Date..:**	05/22/05		
Prep Batch #...:	5132013	**Analysis Time..:**	03:54		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.2	**Method.....:**	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	34	ug/kg	28
Aroclor 1221	ND	34	ug/kg	13
Aroclor 1232	ND	34	ug/kg	16
Aroclor 1242	ND	34	ug/kg	12
Aroclor 1248	ND	34	ug/kg	13
Aroclor 1254	ND	34	ug/kg	4.6
Aroclor 1260	**4.8 J**	**34**	**ug/kg**	**3.8**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	52	(31 - 127)
Decachlorobiphenyl	74	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905H **Client ID:** FT-SB-213-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 4.22

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**20.9**	**2050**		**1**	**ICPST**	**5/23/2005**	**12:57**
Antimony	206.84	0.27	1.0	0.27	U	1	ICPST	5/23/2005	12:57
Arsenic	**189.04**	**0.21**	**1.0**	**0.47**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Barium	**493.41**	**0.017**	**20.9**	**3.2**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Beryllium	**313.04**	**0.013**	**0.52**	**0.092**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Cadmium	226.50	0.023	0.52	0.023	U	1	ICPST	5/23/2005	12:57
Calcium	**317.93**	**2.8**	**522**	**45.7**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Chromium	**267.72**	**0.042**	**0.52**	**4.2**		**1**	**ICPST**	**5/23/2005**	**12:57**
Cobalt	**228.62**	**0.044**	**5.2**	**0.61**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Copper	**324.75**	**0.096**	**2.6**	**1.7**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Iron	**271.44**	**1.7**	**10.4**	**1740**		**1**	**ICPST**	**5/23/2005**	**12:57**
Lead	**220.35**	**0.18**	**0.31**	**1.8**		**1**	**ICPST**	**5/23/2005**	**12:57**
Magnesium	**279.08**	**1.6**	**522**	**113**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Manganese	**257.61**	**0.11**	**1.6**	**11.9**		**1**	**ICPST**	**5/23/2005**	**12:57**
Nickel	**231.60**	**0.057**	**4.2**	**1.1**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Potassium	**766.49**	**0.50**	**522**	**58.8**	**BE**	**1**	**ICPST**	**5/23/2005**	**12:57**
Selenium	220.35	0.18	0.52	0.18	U	1	ICPST	5/23/2005	12:57
Silver	**328.07**	**0.042**	**0.52**	**0.052**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Sodium	**330.23**	**11.0**	**522**	**12.5**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Thallium	190.86	0.23	1.0	0.23	U	1	ICPST	5/23/2005	12:57
Vanadium	**292.40**	**0.041**	**5.2**	**4.0**	**B**	**1**	**ICPST**	**5/23/2005**	**12:57**
Zinc	**206.2**	**0.10**	**2.1**	**3.2**		**1**	**ICPST**	**5/23/2005**	**12:57**

Comments: Lot #: C5E060132 Sample #: 6

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form I Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905H **Client ID:** FT-SB-213-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/16/2005 **Prep Batch:** 5136396

Weight: .6 **Volume:** 100 **Percent Moisture:** 4.22

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.035	0.011	B	1	CVAA	5/16/2005	17:19

Comments: Lot #: C5E060132 Sample #: 6

4.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-215-0305

GC/MS Volatiles

Lot-Sample #...:	C5E060132-007	**Work Order #...:**	G905L1AV	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5136052
Prep Date.....:	05/16/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5136059	**Analysis Time..:**	09:35		
Dilution Factor:	1	**Initial Wgt/Vol:**	4.96 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.0	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	21	ug/kg	5.2
Benzene	ND	5.2	ug/kg	0.57
Bromodichloromethane	ND	5.2	ug/kg	0.26
Bromoform	ND	5.2	ug/kg	0.64
Bromomethane	ND	5.2	ug/kg	0.97
2-Butanone	ND	5.2	ug/kg	1.5
Carbon disulfide	ND	5.2	ug/kg	0.38
Carbon tetrachloride	ND	5.2	ug/kg	0.26
Chlorobenzene	ND	5.2	ug/kg	0.89
Chloroethane	ND	5.2	ug/kg	0.98
Chloroform	ND	5.2	ug/kg	0.26
Chloromethane	ND	5.2	ug/kg	0.30
Cyclohexane	ND	5.2	ug/kg	0.39
Dibromochloromethane	ND	5.2	ug/kg	0.27
1,2-Dibromo-3-chloro-propane	ND	5.2	ug/kg	0.48
1,2-Dibromoethane	ND	5.2	ug/kg	0.28
1,3-Dichlorobenzene	ND	5.2	ug/kg	0.95
1,4-Dichlorobenzene	ND	5.2	ug/kg	0.71
1,2-Dichlorobenzene	ND	5.2	ug/kg	0.97
Dichlorodifluoromethane	ND	5.2	ug/kg	0.53
1,1-Dichloroethane	ND	5.2	ug/kg	0.30
1,2-Dichloroethane	ND	5.2	ug/kg	0.32
1,1-Dichloroethene	ND	5.2	ug/kg	0.61
cis-1,2-Dichloroethene	ND	5.2	ug/kg	0.78
trans-1,2-Dichloroethene	ND	5.2	ug/kg	0.68
1,2-Dichloropropane	ND	5.2	ug/kg	0.65
cis-1,3-Dichloropropene	ND	5.2	ug/kg	0.30
trans-1,3-Dichloropropene	ND	5.2	ug/kg	0.29
Ethylbenzene	ND	5.2	ug/kg	0.97
2-Hexanone	ND	5.2	ug/kg	0.85
Isopropylbenzene	ND	5.2	ug/kg	1.2
Methyl acetate	ND	5.2	ug/kg	2.6
Methylene chloride	ND	5.2	ug/kg	1.4
Methylcyclohexane	ND	5.2	ug/kg	0.81
4-Methyl-2-pentanone	ND	5.2	ug/kg	0.88
Methyl tert-butyl ether	ND	5.2	ug/kg	0.43

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-215-0305

GC/MS Volatiles

Lot-Sample #...: C5E060132-007 **Work Order #...:** G905L1AV **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.2	ug/kg	0.83
1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	0.47
1,2,4-Trichloro-benzene	ND	5.2	ug/kg	1.4
Tetrachloroethene	ND	5.2	ug/kg	0.80
1,1,1-Trichloroethane	ND	5.2	ug/kg	0.28
1,1,2-Trichloroethane	ND	5.2	ug/kg	0.71
Trichloroethene	ND	5.2	ug/kg	0.90
Trichlorofluoromethane	ND	5.2	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.2	ug/kg	0.36
Toluene	ND	5.2	ug/kg	0.62
Vinyl chloride	ND	5.2	ug/kg	0.69
Xylenes (total)	ND	16	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(61 - 130)
Toluene-d8	104	(60 - 143)
4-Bromofluorobenzene	93	(47 - 158)
Dibromofluoromethane	98	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-215-0305

HPLC

Lot-Sample #...:	C5E060132-007	**Work Order #...:**	G905L1CA	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5137005
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5137014	**Analysis Time..:**	18:59		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	4.0	**Analyst ID.....:**	401414	**Instrument ID..:**	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	34	ug/kg	3.5
Acenaphthylene	ND	34	ug/kg	3.1
Acenaphthene	ND	34	ug/kg	7.6
Fluorene	ND	7.0	ug/kg	1.9
Phenanthrene	**5.0 J**	**7.0**	**ug/kg**	**0.45**
Anthracene	ND	7.0	ug/kg	0.48
Fluoranthene	**1.6 J,PG**	**7.0**	**ug/kg**	**0.57**
Pyrene	**1.2 J,PG**	**7.0**	**ug/kg**	**0.46**
Benzo(a)anthracene	ND	7.0	ug/kg	0.59
Chrysene	ND	7.0	ug/kg	0.59
Benzo(b)fluoranthene	ND	7.0	ug/kg	0.82
Benzo(k)fluoranthene	ND	7.0	ug/kg	0.68
Benzo(a)pyrene	ND	7.0	ug/kg	0.63
Indeno(1,2,3-cd)pyrene	ND	7.0	ug/kg	0.47
Dibenzo(a,h)anthracene	ND	7.0	ug/kg	1.1
Benzo(ghi)perylene	ND	7.0	ug/kg	0.59
2-Methylnaphthalene	**5.5 J,PG**	**34**	**ug/kg**	**2.8**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	76	(49 - 129)
Terphenyl-d14	77	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-215-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-007	Work Order #...:	G905L1AC	Matrix.....:	SOLID
Date Sampled...:	05/05/05	Date Received..:	05/06/05	MS Run #.....:	5132004
Prep Date.....:	05/12/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5132012	Analysis Time..:	12:48		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	4.0	Analyst ID.....:	402331	Instrument ID..:	W/X
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.15
beta-BHC	ND	1.8	ug/kg	0.23
delta-BHC	ND	1.8	ug/kg	0.19
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.15
Heptachlor	ND	1.8	ug/kg	0.17
Aldrin	ND	1.8	ug/kg	0.22
Heptachlor epoxide	ND	1.8	ug/kg	0.21
Endosulfan I	ND	1.8	ug/kg	0.17
Dieldrin	ND	1.8	ug/kg	0.17
4,4'-DDE	ND	1.8	ug/kg	0.22
Endrin	ND	1.8	ug/kg	0.17
Endrin ketone	ND	1.8	ug/kg	0.23
Endrin aldehyde	ND	1.8	ug/kg	0.38
Endosulfan II	ND	1.8	ug/kg	0.27
4,4'-DDD	ND	1.8	ug/kg	0.17
Endosulfan sulfate	ND	1.8	ug/kg	0.24
4,4'-DDT	ND	1.8	ug/kg	0.19
Methoxychlor	ND	3.4	ug/kg	0.38
alpha-Chlordane	ND	1.8	ug/kg	0.23
gamma-Chlordane	ND	1.8	ug/kg	0.22
Toxaphene	ND	70	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(31 - 131)
Decachlorobiphenyl	87	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-215-0305

GC Semivolatiles

Lot-Sample #...:	C5E060132-007	**Work Order #...:**	G905L1AD	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132005
Prep Date.....:	05/12/05	**Analysis Date..:**	05/22/05		
Prep Batch #...:	5132013	**Analysis Time..:**	04:16		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.0	**Method.....:**	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	34	ug/kg	28
Aroclor 1221	ND	34	ug/kg	13
Aroclor 1232	ND	34	ug/kg	16
Aroclor 1242	ND	34	ug/kg	12
Aroclor 1248	ND	34	ug/kg	13
Aroclor 1254	ND	34	ug/kg	4.6
Aroclor 1260	ND	34	ug/kg	3.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(31 - 127)
Decachlorobiphenyl	83	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905L **Client ID:** FT-SB-215-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 4.015

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**20.8**	**1660**		**1**	**ICPST**	**5/23/2005**	**13:19**
Antimony	206.84	0.27	1.0	0.27	U	1	ICPST	5/23/2005	13:19
Arsenic	**189.04**	**0.21**	**1.0**	**0.63**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Barium	**493.41**	**0.017**	**20.8**	**3.5**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Beryllium	**313.04**	**0.013**	**0.52**	**0.096**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Cadmium	226.50	0.023	0.52	0.023	U	1	ICPST	5/23/2005	13:19
Calcium	**317.93**	**2.8**	**521**	**26.1**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Chromium	**267.72**	**0.042**	**0.52**	**3.7**		**1**	**ICPST**	**5/23/2005**	**13:19**
Cobalt	**228.62**	**0.044**	**5.2**	**0.68**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Copper	**324.75**	**0.096**	**2.6**	**1.7**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Iron	**271.44**	**1.7**	**10.4**	**1590**		**1**	**ICPST**	**5/23/2005**	**13:19**
Lead	**220.35**	**0.18**	**0.31**	**1.6**		**1**	**ICPST**	**5/23/2005**	**13:19**
Magnesium	**279.08**	**1.6**	**521**	**141**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Manganese	**257.61**	**0.11**	**1.6**	**14.5**		**1**	**ICPST**	**5/23/2005**	**13:19**
Nickel	**231.60**	**0.057**	**4.2**	**0.96**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Potassium	**766.49**	**0.50**	**521**	**68.2**	**BE**	**1**	**ICPST**	**5/23/2005**	**13:19**
Selenium	**220.35**	**0.18**	**0.52**	**0.32**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Silver	**328.07**	**0.042**	**0.52**	**0.048**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Sodium	**330.23**	**10.9**	**521**	**16.3**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Thallium	190.86	0.23	1.0	0.23	U	1	ICPST	5/23/2005	13:19
Vanadium	**292.40**	**0.041**	**5.2**	**3.8**	**B**	**1**	**ICPST**	**5/23/2005**	**13:19**
Zinc	**206.2**	**0.10**	**2.1**	**2.9**		**1**	**ICPST**	**5/23/2005**	**13:19**

Comments: Lot #: C5E060132 Sample #: 7

)4.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905L **Client ID:** FT-SB-215-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/16/2005 **Prep Batch:** 5136396

Weight: .6 **Volume:** 100 **Percent Moisture:** 4.015

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.035	0.0030	U	1	CVAA	5/16/2005	17:23

Comments: Lot #: C5E060132 Sample #: 7

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-219-0507

HPLC

Lot-Sample #...:	C5E060132-004	**Work Order #...:**	G905E1A9	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5137005
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5137014	**Analysis Time..:**	20:20		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	6.4	**Analyst ID.....:**	401414	**Instrument ID..:**	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	35	ug/kg	3.6
Acenaphthylene	ND	35	ug/kg	3.2
Acenaphthene	ND	35	ug/kg	7.8
Fluorene	**2.1 J,PG**	**7.2**	**ug/kg**	**1.9**
Phenanthrene	**11**	**7.2**	**ug/kg**	**0.46**
Anthracene	**2.5 J**	**7.2**	**ug/kg**	**0.49**
Fluoranthene	**18**	**7.2**	**ug/kg**	**0.58**
Pyrene	**21**	**7.2**	**ug/kg**	**0.48**
Benzo(a)anthracene	**11**	**7.2**	**ug/kg**	**0.61**
Chrysene	**11**	**7.2**	**ug/kg**	**0.60**
Benzo(b)fluoranthene	**12 PG**	**7.2**	**ug/kg**	**0.84**
Benzo(k)fluoranthene	**7.4 PG**	**7.2**	**ug/kg**	**0.70**
Benzo(a)pyrene	**15**	**7.2**	**ug/kg**	**0.64**
Indeno(1,2,3-cd)pyrene	**19**	**7.2**	**ug/kg**	**0.48**
Dibenzo(a,h)anthracene	**5.9 J,PG**	**7.2**	**ug/kg**	**1.1**
Benzo(ghi)perylene	**21 PG**	**7.2**	**ug/kg**	**0.60**
2-Methylnaphthalene	ND	35	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	77	(49 - 129)
Terphenyl-d14	67	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-219-0507

GC Semivolatiles

Lot-Sample #...:	C5E060132-004	**Work Order #...:**	G905E1AJ	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132004
Prep Date.....:	05/12/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5132012	**Analysis Time..:**	10:29		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.4	**Analyst ID.....:**	402331	**Instrument ID..:**	W/X
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.15
beta-BHC	ND	1.8	ug/kg	0.24
delta-BHC	ND	1.8	ug/kg	0.20
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.15
Heptachlor	ND	1.8	ug/kg	0.17
Aldrin	ND	1.8	ug/kg	0.23
Heptachlor epoxide	ND	1.8	ug/kg	0.22
Endosulfan I	ND	1.8	ug/kg	0.17
Dieldrin	ND	1.8	ug/kg	0.17
4,4'-DDE	ND	1.8	ug/kg	0.22
Endrin	**0.49 J,PG**	**1.8**	**ug/kg**	**0.18**
Endrin ketone	ND	1.8	ug/kg	0.23
Endrin aldehyde	ND	1.8	ug/kg	0.39
Endosulfan II	**0.92 J,PG**	**1.8**	**ug/kg**	**0.28**
4,4'-DDD	ND	1.8	ug/kg	0.18
Endosulfan sulfate	**0.82 J,PG**	**1.8**	**ug/kg**	**0.25**
4,4'-DDT	**1.6 J,PG**	**1.8**	**ug/kg**	**0.19**
Methoxychlor	ND	3.5	ug/kg	0.39
alpha-Chlordane	**0.66 J,PG**	**1.8**	**ug/kg**	**0.23**
gamma-Chlordane	**0.57 J,PG**	**1.8**	**ug/kg**	**0.23**
Toxaphene	ND	72	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	58	(31 - 131)
Decachlorobiphenyl	80	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-219-0507

GC Semivolatiles

Lot-Sample #...:	C5E060132-004	**Work Order #...:**	G905E1AK	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132005
Prep Date.....:	05/12/05	**Analysis Date..:**	05/22/05		
Prep Batch #...:	5132013	**Analysis Time..:**	03:11		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.4	**Method.....:**	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	14
Aroclor 1232	ND	35	ug/kg	17
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	ND	35	ug/kg	4.7
Aroclor 1260	**28 J**	**35**	**ug/kg**	**3.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	57	(31 - 127)
Decachlorobiphenyl	82	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905E **Client ID:** FT-SB-219-0507

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 6.434

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**21.4**	**3450**		**1**	**ICPST**	**5/23/2005**	**12:46**
Antimony	206.84	0.28	1.1	0.28	U	1	ICPST	5/23/2005	12:46
Arsenic	**189.04**	**0.21**	**1.1**	**0.83**	**B**	**1**	**ICPST**	**5/23/2005**	**12:46**
Barium	**493.41**	**0.017**	**21.4**	**5.4**	**B**	**1**	**ICPST**	**5/23/2005**	**12:46**
Beryllium	**313.04**	**0.013**	**0.53**	**0.12**	**B**	**1**	**ICPST**	**5/23/2005**	**12:46**
Cadmium	226.50	0.024	0.53	0.024	U	1	ICPST	5/23/2005	12:46
Calcium	**317.93**	**2.9**	**534**	**52.5**	**B**	**1**	**ICPST**	**5/23/2005**	**12:46**
Chromium	**267.72**	**0.043**	**0.53**	**5.0**		**1**	**ICPST**	**5/23/2005**	**12:46**
Cobalt	**228.62**	**0.045**	**5.3**	**0.94**	**B**	**1**	**ICPST**	**5/23/2005**	**12:46**
Copper	**324.75**	**0.098**	**2.7**	**2.0**	**B**	**1**	**ICPST**	**5/23/2005**	**12:46**
Iron	**271.44**	**1.7**	**10.7**	**3240**		**1**	**ICPST**	**5/23/2005**	**12:46**
Lead	**220.35**	**0.18**	**0.32**	**3.3**		**1**	**ICPST**	**5/23/2005**	**12:46**
Magnesium	**279.08**	**1.7**	**534**	**403**	**B**	**1**	**ICPST**	**5/23/2005**	**12:46**
Manganese	**257.61**	**0.12**	**1.6**	**23.3**		**1**	**ICPST**	**5/23/2005**	**12:46**
Nickel	**231.60**	**0.059**	**4.3**	**1.8**	**B**	**1**	**ICPST**	**5/23/2005**	**12:46**
Potassium	**766.49**	**0.51**	**534**	**112**	**BE**	**1**	**ICPST**	**5/23/2005**	**12:46**
Selenium	220.35	0.18	0.53	0.18	U	1	ICPST	5/23/2005	12:46
Silver	328.07	0.043	0.53	0.043	U	1	ICPST	5/23/2005	12:46
Sodium	330.23	11.2	534	11.2	U	1	ICPST	5/23/2005	12:46
Thallium	190.86	0.24	1.1	0.24	U	1	ICPST	5/23/2005	12:46
Vanadium	**292.40**	**0.042**	**5.3**	**6.8**		**1**	**ICPST**	**5/23/2005**	**12:46**
Zinc	**206.2**	**0.11**	**2.1**	**9.4**		**1**	**ICPST**	**5/23/2005**	**12:46**

Comments: Lot #: C5E060132 Sample #: 4

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form I Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905E **Client ID:** FT-SB-219-0507

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/16/2005 **Prep Batch:** 5136396

Weight: .6 **Volume:** 100 **Percent Moisture:** 6.434

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.036	0.0071	B	1	CVAA	5/16/2005	17:16

Comments: Lot #: C5E060132 Sample #: 4

4.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-221-0406

HPLC

Lot-Sample #...:	C5E060132-003	**Work Order #...:**	G905D1A9	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5137005
Prep Date.....:	05/17/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5137014	**Analysis Time..:**	13:32		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	6.6	**Analyst ID.....:**	401414	**Instrument ID..:**	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	35	ug/kg	3.6
Acenaphthylene	ND	35	ug/kg	3.2
Acenaphthene	ND	35	ug/kg	7.8
Fluorene	ND	7.2	ug/kg	1.9
Phenanthrene	**3.2 J**	**7.2**	**ug/kg**	**0.46**
Anthracene	ND	7.2	ug/kg	0.49
Fluoranthene	ND	7.2	ug/kg	0.58
Pyrene	ND	7.2	ug/kg	0.48
Benzo(a)anthracene	ND	7.2	ug/kg	0.61
Chrysene	ND	7.2	ug/kg	0.60
Benzo(b)fluoranthene	ND	7.2	ug/kg	0.84
Benzo(k)fluoranthene	ND	7.2	ug/kg	0.70
Benzo(a)pyrene	ND	7.2	ug/kg	0.64
Indeno(1,2,3-cd)pyrene	ND	7.2	ug/kg	0.48
Dibenzo(a,h)anthracene	ND	7.2	ug/kg	1.1
Benzo(ghi)perylene	ND	7.2	ug/kg	0.60
2-Methylnaphthalene	**8.0 J**	**35**	**ug/kg**	**2.8**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	68	(49 - 129)
Terphenyl-d14	69	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-221-0406

GC Semivolatiles

Lot-Sample #...:	C5E060132-003	**Work Order #...:**	G905D1AJ	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132004
Prep Date.....:	05/12/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5132012	**Analysis Time..:**	10:01		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.6	**Analyst ID.....:**	402331	**Instrument ID..:**	W/X
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.15
beta-BHC	ND	1.8	ug/kg	0.24
delta-BHC	ND	1.8	ug/kg	0.20
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.15
Heptachlor	ND	1.8	ug/kg	0.17
Aldrin	ND	1.8	ug/kg	0.23
Heptachlor epoxide	ND	1.8	ug/kg	0.22
Endosulfan I	ND	1.8	ug/kg	0.17
Dieldrin	ND	1.8	ug/kg	0.17
4,4'-DDE	ND	1.8	ug/kg	0.22
Endrin	**0.24 J,PG**	**1.8**	**ug/kg**	**0.18**
Endrin ketone	ND	1.8	ug/kg	0.23
Endrin aldehyde	**0.74 J**	**1.8**	**ug/kg**	**0.39**
Endosulfan II	**0.37 J,PG**	**1.8**	**ug/kg**	**0.28**
4,4'-DDD	**0.25 J,PG**	**1.8**	**ug/kg**	**0.18**
Endosulfan sulfate	ND	1.8	ug/kg	0.25
4,4'-DDT	ND	1.8	ug/kg	0.19
Methoxychlor	ND	3.5	ug/kg	0.39
alpha-Chlordane	**0.32 J,PG**	**1.8**	**ug/kg**	**0.23**
gamma-Chlordane	ND	1.8	ug/kg	0.23
Toxaphene	ND	72	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(31 - 131)
Decachlorobiphenyl	92	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-221-0406

GC Semivolatiles

Lot-Sample #...:	C5E060132-003	**Work Order #...:**	G905D1AK	**Matrix.....:**	SOLID
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5132005
Prep Date.....:	05/12/05	**Analysis Date..:**	05/22/05		
Prep Batch #...:	5132013	**Analysis Time..:**	02:49		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	6.6	**Method.....:**	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	14
Aroclor 1232	ND	35	ug/kg	17
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	ND	35	ug/kg	4.7
Aroclor 1260	ND	35	ug/kg	3.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(31 - 127)
Decachlorobiphenyl	83	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905D **Client ID:** FT-SB-221-0406

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 6.581

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.6**	**21.4**	**4530**		**1**	**ICPST**	**5/23/2005**	**12:40**
Antimony	206.84	0.28	1.1	0.28	U	1	ICPST	5/23/2005	12:40
Arsenic	**189.04**	**0.21**	**1.1**	**1.1**		**1**	**ICPST**	**5/23/2005**	**12:40**
Barium	**493.41**	**0.017**	**21.4**	**7.9**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Beryllium	**313.04**	**0.013**	**0.54**	**0.16**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Cadmium	**226.50**	**0.024**	**0.54**	**0.067**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Calcium	**317.93**	**2.9**	**535**	**54.0**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Chromium	**267.72**	**0.043**	**0.54**	**5.4**		**1**	**ICPST**	**5/23/2005**	**12:40**
Cobalt	**228.62**	**0.045**	**5.4**	**0.96**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Copper	**324.75**	**0.098**	**2.7**	**2.2**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Iron	**271.44**	**1.7**	**10.7**	**4210**		**1**	**ICPST**	**5/23/2005**	**12:40**
Lead	**220.35**	**0.18**	**0.32**	**3.0**		**1**	**ICPST**	**5/23/2005**	**12:40**
Magnesium	**279.08**	**1.7**	**535**	**376**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Manganese	**257.61**	**0.12**	**1.6**	**19.6**		**1**	**ICPST**	**5/23/2005**	**12:40**
Nickel	**231.60**	**0.059**	**4.3**	**2.0**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Potassium	**766.49**	**0.51**	**535**	**108**	**BE**	**1**	**ICPST**	**5/23/2005**	**12:40**
Selenium	**220.35**	**0.18**	**0.54**	**0.28**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Silver	328.07	0.043	0.54	0.043	U	1	ICPST	5/23/2005	12:40
Sodium	**330.23**	**11.2**	**535**	**14.7**	**B**	**1**	**ICPST**	**5/23/2005**	**12:40**
Thallium	190.86	0.24	1.1	0.24	U	1	ICPST	5/23/2005	12:40
Vanadium	**292.40**	**0.042**	**5.4**	**7.8**		**1**	**ICPST**	**5/23/2005**	**12:40**
Zinc	**206.2**	**0.11**	**2.1**	**8.1**		**1**	**ICPST**	**5/23/2005**	**12:40**

Comments: Lot #: C5E060132 Sample #: 3

4.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G905D **Client ID:** FT-SB-221-0406

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/16/2005 **Prep Batch:** 5136396

Weight: .6 **Volume:** 100 **Percent Moisture:** 6.581

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.036	0.020	B	1	CVAA	5/16/2005	17:14

Comments: Lot #: C5E060132 Sample #: 3

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-224-0305

GC/MS Volatiles

Lot-Sample #...:	C5E070137-005	**Work Order #...:**	G932H1AR	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5138049
Prep Date.....:	05/18/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5138072	**Analysis Time..:**	13:37		
Dilution Factor:	1.06	**Initial Wgt/Vol:**	4.71 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.9	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	22	ug/kg	5.6
Benzene	ND	5.6	ug/kg	0.61
Bromodichloromethane	ND	5.6	ug/kg	0.28
Bromoform	ND	5.6	ug/kg	0.68
Bromomethane	ND	5.6	ug/kg	1.0
2-Butanone	ND	5.6	ug/kg	1.6
Carbon disulfide	ND	5.6	ug/kg	0.40
Carbon tetrachloride	ND	5.6	ug/kg	0.28
Chlorobenzene	ND	5.6	ug/kg	0.95
Chloroethane	ND	5.6	ug/kg	1.0
Chloroform	ND	5.6	ug/kg	0.28
Chloromethane	ND	5.6	ug/kg	0.32
Cyclohexane	ND	5.6	ug/kg	0.42
Dibromochloromethane	ND	5.6	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND	5.6	ug/kg	0.52
1,2-Dibromoethane	ND	5.6	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.6	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.6	ug/kg	0.76
1,2-Dichlorobenzene	ND	5.6	ug/kg	1.0
Dichlorodifluoromethane	ND	5.6	ug/kg	0.56
1,1-Dichloroethane	ND	5.6	ug/kg	0.32
1,2-Dichloroethane	ND	5.6	ug/kg	0.34
1,1-Dichloroethene	ND	5.6	ug/kg	0.66
cis-1,2-Dichloroethene	ND	5.6	ug/kg	0.83
trans-1,2-Dichloroethene	ND	5.6	ug/kg	0.73
1,2-Dichloropropane	ND	5.6	ug/kg	0.70
cis-1,3-Dichloropropene	ND	5.6	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.6	ug/kg	0.31
Ethylbenzene	ND	5.6	ug/kg	1.0
2-Hexanone	ND	5.6	ug/kg	0.91
Isopropylbenzene	ND	5.6	ug/kg	1.3
Methyl acetate	ND	5.6	ug/kg	2.8
Methylene chloride	ND	5.6	ug/kg	1.5
Methylcyclohexane	ND	5.6	ug/kg	0.87
4-Methyl-2-pentanone	ND	5.6	ug/kg	0.94
Methyl tert-butyl ether	ND	5.6	ug/kg	0.46

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-224-0305

GC/MS Volatiles

Lot-Sample #...: C5E070137-005 **Work Order #...:** G932H1AR **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.6	ug/kg	0.89
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	0.50
1,2,4-Trichloro-benzene	ND	5.6	ug/kg	1.5
Tetrachloroethene	ND	5.6	ug/kg	0.85
1,1,1-Trichloroethane	ND	5.6	ug/kg	0.30
1,1,2-Trichloroethane	ND	5.6	ug/kg	0.76
Trichloroethene	ND	5.6	ug/kg	0.96
Trichlorofluoromethane	ND	5.6	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg	0.39
Toluene	ND	5.6	ug/kg	0.66
Vinyl chloride	ND	5.6	ug/kg	0.73
Xylenes (total)	ND	17	ug/kg	3.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(61 - 130)
Toluene-d8	97	(60 - 143)
4-Bromofluorobenzene	89	(47 - 158)
Dibromofluoromethane	96	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-224-0305

HPLC

Lot-Sample #...:	C5E070137-005	Work Order #...:	G932H2AL	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5136340
Prep Date.....:	05/16/05	Analysis Date..:	05/16/05		
Prep Batch #...:	5136613	Analysis Time..:	23:38		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	4.9	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	35	ug/kg	3.6
Acenaphthylene	ND	35	ug/kg	3.1
Acenaphthene	ND	35	ug/kg	7.7
Fluorene	ND	7.0	ug/kg	1.9
Phenanthrene	**4.3 J**	**7.0**	**ug/kg**	**0.45**
Anthracene	ND	7.0	ug/kg	0.48
Fluoranthene	**3.5 J,PG**	**7.0**	**ug/kg**	**0.57**
Pyrene	**3.9 J**	**7.0**	**ug/kg**	**0.47**
Benzo(a)anthracene	**1.2 J,PG**	**7.0**	**ug/kg**	**0.60**
Chrysene	**1.3 J,PG**	**7.0**	**ug/kg**	**0.59**
Benzo(b)fluoranthene	**2.1 J,PG**	**7.0**	**ug/kg**	**0.83**
Benzo(k)fluoranthene	**1.2 J**	**7.0**	**ug/kg**	**0.69**
Benzo(a)pyrene	**1.5 J**	**7.0**	**ug/kg**	**0.63**
Indeno(1,2,3-cd)pyrene	**1.2 J**	**7.0**	**ug/kg**	**0.47**
Dibenzo(a,h)anthracene	ND	7.0	ug/kg	1.1
Benzo(ghi)perylene	**2.0 J,PG**	**7.0**	**ug/kg**	**0.59**
2-Methylnaphthalene	ND	35	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	82	(49 - 129)
Terphenyl-d14	96	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-224-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-005	**Work Order #...:**	G932H1AJ	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	17:31		
Dilution Factor:	1				
% Moisture.....:	4.9	**Method.....:**	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.8	ug/kg
beta-BHC	ND	1.8	ug/kg
delta-BHC	ND	1.8	ug/kg
gamma-BHC (Lindane)	ND	1.8	ug/kg
Heptachlor	ND	1.8	ug/kg
Aldrin	ND	1.8	ug/kg
Heptachlor epoxide	ND	1.8	ug/kg
Endosulfan I	ND	1.8	ug/kg
Dieldrin	ND	1.8	ug/kg
4,4'-DDE	**0.53 J**	**1.8**	**ug/kg**
Endrin	**0.24 J,PG**	**1.8**	**ug/kg**
Endrin ketone	ND	1.8	ug/kg
Endrin aldehyde	ND	1.8	ug/kg
Endosulfan II	ND	1.8	ug/kg
4,4'-DDD	ND	1.8	ug/kg
Endosulfan sulfate	**0.34 J**	**1.8**	**ug/kg**
4,4'-DDT	**0.56 J,PG**	**1.8**	**ug/kg**
Methoxychlor	ND	3.5	ug/kg
alpha-Chlordane	**0.68 J**	**1.8**	**ug/kg**
gamma-Chlordane	**0.70 J**	**1.8**	**ug/kg**
Toxaphene	ND	70	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(31 - 131)
Decachlorobiphenyl	88	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-224-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-005	**Work Order #...:**	G932H1AK	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	22:03		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	4.9	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	13
Aroclor 1232	ND	35	ug/kg	17
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	ND	35	ug/kg	4.6
Aroclor 1260	ND	35	ug/kg	3.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	61	(31 - 127)
Decachlorobiphenyl	75	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932H **Client ID:** FT-SB-224-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 4.869

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**21.0**	**1510**		**1**	**ICPST**	**5/23/2005**	**13:54**
Antimony	206.84	0.27	1.1	0.27	U	1	ICPST	5/23/2005	13:54
Arsenic	**189.04**	**0.21**	**1.1**	**0.40**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Barium	**493.41**	**0.017**	**21.0**	**2.5**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Beryllium	**313.04**	**0.013**	**0.53**	**0.11**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Cadmium	226.50	0.023	0.53	0.023	U	1	ICPST	5/23/2005	13:54
Calcium	**317.93**	**2.8**	**526**	**40.9**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Chromium	**267.72**	**0.042**	**0.53**	**2.5**		**1**	**ICPST**	**5/23/2005**	**13:54**
Cobalt	**228.62**	**0.044**	**5.3**	**0.83**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Copper	**324.75**	**0.097**	**2.6**	**1.2**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Iron	**271.44**	**1.7**	**10.5**	**1530**		**1**	**ICPST**	**5/23/2005**	**13:54**
Lead	**220.35**	**0.18**	**0.32**	**1.5**		**1**	**ICPST**	**5/23/2005**	**13:54**
Magnesium	**279.08**	**1.6**	**526**	**107**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Manganese	**257.61**	**0.12**	**1.6**	**26.4**		**1**	**ICPST**	**5/23/2005**	**13:54**
Nickel	**231.60**	**0.058**	**4.2**	**0.77**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Potassium	**766.49**	**0.50**	**526**	**72.0**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Selenium	220.35	0.18	0.53	0.18	U	1	ICPST	5/23/2005	13:54
Silver	**328.07**	**0.042**	**0.53**	**0.049**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Sodium	**330.23**	**11.0**	**526**	**17.0**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Thallium	190.86	0.23	1.1	0.23	U	1	ICPST	5/23/2005	13:54
Vanadium	**292.40**	**0.041**	**5.3**	**3.5**	**B**	**1**	**ICPST**	**5/23/2005**	**13:54**
Zinc	**206.2**	**0.11**	**2.1**	**3.0**		**1**	**ICPST**	**5/23/2005**	**13:54**

Comments: Lot #: C5E070137 Sample #: 5

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932H **Client ID:** FT-SB-224-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/19/2005 **Prep Batch:** 5139126

Weight: .6 **Volume:** 100 **Percent Moisture:** 4.869

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.035	0.0047	B	1	CVAA	5/19/2005	15:44

Comments: Lot #: C5E070137 Sample #: 5

5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-225-0305

GC/MS Volatiles

Lot-Sample #...:	C5E070137-003	**Work Order #...:**	G932F1AR	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5138049
Prep Date.....:	05/18/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5138072	**Analysis Time..:**	12:51		
Dilution Factor:	0.9	**Initial Wgt/Vol:**	5.57 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	8.9	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/kg	4.9
Benzene	ND	4.9	ug/kg	0.54
Bromodichloromethane	ND	4.9	ug/kg	0.25
Bromoform	ND	4.9	ug/kg	0.60
Bromomethane	ND	4.9	ug/kg	0.92
2-Butanone	ND	4.9	ug/kg	1.4
Carbon disulfide	ND	4.9	ug/kg	0.36
Carbon tetrachloride	ND	4.9	ug/kg	0.25
Chlorobenzene	ND	4.9	ug/kg	0.84
Chloroethane	ND	4.9	ug/kg	0.93
Chloroform	ND	4.9	ug/kg	0.25
Chloromethane	ND	4.9	ug/kg	0.28
Cyclohexane	ND	4.9	ug/kg	0.37
Dibromochloromethane	ND	4.9	ug/kg	0.26
1,2-Dibromo-3-chloro-propane	ND	4.9	ug/kg	0.46
1,2-Dibromoethane	ND	4.9	ug/kg	0.27
1,3-Dichlorobenzene	ND	4.9	ug/kg	0.90
1,4-Dichlorobenzene	ND	4.9	ug/kg	0.67
1,2-Dichlorobenzene	ND	4.9	ug/kg	0.92
Dichlorodifluoromethane	ND	4.9	ug/kg	0.50
1,1-Dichloroethane	ND	4.9	ug/kg	0.28
1,2-Dichloroethane	ND	4.9	ug/kg	0.30
1,1-Dichloroethene	ND	4.9	ug/kg	0.58
cis-1,2-Dichloroethene	ND	4.9	ug/kg	0.74
trans-1,2-Dichloroethene	ND	4.9	ug/kg	0.64
1,2-Dichloropropane	ND	4.9	ug/kg	0.62
cis-1,3-Dichloropropene	ND	4.9	ug/kg	0.28
trans-1,3-Dichloropropene	ND	4.9	ug/kg	0.27
Ethylbenzene	ND	4.9	ug/kg	0.92
2-Hexanone	ND	4.9	ug/kg	0.80
Isopropylbenzene	ND	4.9	ug/kg	1.1
Methyl acetate	ND	4.9	ug/kg	2.5
Methylene chloride	ND	4.9	ug/kg	1.3
Methylcyclohexane	ND	4.9	ug/kg	0.77
4-Methyl-2-pentanone	ND	4.9	ug/kg	0.83
Methyl tert-butyl ether	ND	4.9	ug/kg	0.40

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-225-0305

GC/MS Volatiles

Lot-Sample #...: C5E070137-003 **Work Order #...:** G932F1AR **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	4.9	ug/kg	0.79
1,1,2,2-Tetrachloroethane	ND	4.9	ug/kg	0.44
1,2,4-Trichloro-benzene	ND	4.9	ug/kg	1.4
Tetrachloroethene	ND	4.9	ug/kg	0.76
1,1,1-Trichloroethane	ND	4.9	ug/kg	0.27
1,1,2-Trichloroethane	ND	4.9	ug/kg	0.67
Trichloroethene	ND	4.9	ug/kg	0.85
Trichlorofluoromethane	ND	4.9	ug/kg	1.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.9	ug/kg	0.34
Toluene	ND	4.9	ug/kg	0.58
Vinyl chloride	ND	4.9	ug/kg	0.65
Xylenes (total)	ND	15	ug/kg	2.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(61 - 130)
Toluene-d8	96	(60 - 143)
4-Bromofluorobenzene	91	(47 - 158)
Dibromofluoromethane	98	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-225-0305

HPLC

Lot-Sample #...:	C5E070137-003	Work Order #...:	G932F1AL	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5133030
Prep Date.....:	05/13/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5133050	Analysis Time..:	20:04		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	8.9	Analyst ID.....:	014878	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**11 J,PG**	**36**	**ug/kg**	**3.7**
Acenaphthylene	ND	36	ug/kg	3.3
Acenaphthene	ND	36	ug/kg	8.0
Fluorene	ND	7.4	ug/kg	2.0
Phenanthrene	**20**	**7.4**	**ug/kg**	**0.47**
Anthracene	ND	7.4	ug/kg	0.50
Fluoranthene	ND	7.4	ug/kg	0.60
Pyrene	**22 PG**	**7.4**	**ug/kg**	**0.49**
Benzo(a)anthracene	**9.0**	**7.4**	**ug/kg**	**0.62**
Chrysene	**9.7 PG**	**7.4**	**ug/kg**	**0.62**
Benzo(b)fluoranthene	**32**	**7.4**	**ug/kg**	**0.87**
Benzo(k)fluoranthene	**11 PG**	**7.4**	**ug/kg**	**0.72**
Benzo(a)pyrene	**17**	**7.4**	**ug/kg**	**0.66**
Indeno(1,2,3-cd)pyrene	**45 PG**	**7.4**	**ug/kg**	**0.49**
Dibenzo(a,h)anthracene	**15 PG**	**7.4**	**ug/kg**	**1.1**
Benzo(ghi)perylene	**97**	**7.4**	**ug/kg**	**0.62**
2-Methylnaphthalene	**53**	**36**	**ug/kg**	**2.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	90	(49 - 129)
Terphenyl-d14	60	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-225-0305

GC Semivolatiles

Lot-Sample #...: C5E070137-003	Work Order #...: G932F1AJ	Matrix.....: SOLID
Date Sampled...: 05/06/05	Date Received..: 05/07/05	MS Run #.....: 5131028
Prep Date.....: 05/11/05	Analysis Date..: 05/19/05	
Prep Batch #...: 5131054	Analysis Time..: 16:29	
Dilution Factor: 1		
% Moisture.....: 8.9	Method.....: SW846 8081A	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.9	ug/kg
beta-BHC	**0.51 J,PG**	**1.9**	**ug/kg**
delta-BHC	**0.21 J,PG**	**1.9**	**ug/kg**
gamma-BHC (Lindane)	ND	1.9	ug/kg
Heptachlor	ND	1.9	ug/kg
Aldrin	ND	1.9	ug/kg
Heptachlor epoxide	ND	1.9	ug/kg
Endosulfan I	**0.24 J,PG**	**1.9**	**ug/kg**
Dieldrin	**0.30 J,PG**	**1.9**	**ug/kg**
4,4'-DDE	**1.3 J**	**1.9**	**ug/kg**
Endrin	**4.0**	**1.9**	**ug/kg**
Endrin ketone	ND	1.9	ug/kg
Endrin aldehyde	**2.0 PG**	**1.9**	**ug/kg**
Endosulfan II	ND	1.9	ug/kg
4,4'-DDD	**0.38 J,PG**	**1.9**	**ug/kg**
Endosulfan sulfate	**0.51 J**	**1.9**	**ug/kg**
4,4'-DDT	ND	1.9	ug/kg
Methoxychlor	ND	3.6	ug/kg
alpha-Chlordane	**0.82 J,PG**	**1.9**	**ug/kg**
gamma-Chlordane	**0.95 J,PG**	**1.9**	**ug/kg**
Toxaphene	ND	74	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(31 - 131)
Decachlorobiphenyl	79	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-225-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-003	Work Order #...:	G932F1AK	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5131032
Prep Date.....:	05/11/05	Analysis Date..:	05/23/05		
Prep Batch #...:	5131061	Analysis Time..:	21:19		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	8.9	Analyst ID.....:	402360	Instrument ID..:	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	36	ug/kg	29
Aroclor 1221	ND	36	ug/kg	14
Aroclor 1232	ND	36	ug/kg	17
Aroclor 1242	ND	36	ug/kg	12
Aroclor 1248	ND	36	ug/kg	13
Aroclor 1254	ND	36	ug/kg	4.9
Aroclor 1260	**46**	**36**	**ug/kg**	**4.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	49	(31 - 127)
Decachlorobiphenyl	64	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932F **Client ID:** FT-SB-225-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 8.863

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.6**	**21.9**	**2600**		**1**	**ICPST**	**5/23/2005**	**13:43**
Antimony	206.84	0.29	1.1	0.29	U	1	ICPST	5/23/2005	13:43
Arsenic	**189.04**	**0.22**	**1.1**	**0.70**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Barium	**493.41**	**0.018**	**21.9**	**18.1**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Beryllium	**313.04**	**0.013**	**0.55**	**0.13**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Cadmium	**226.50**	**0.024**	**0.55**	**0.44**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Calcium	**317.93**	**2.9**	**549**	**66.1**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Chromium	**267.72**	**0.044**	**0.55**	**10.5**		**1**	**ICPST**	**5/23/2005**	**13:43**
Cobalt	**228.62**	**0.046**	**5.5**	**0.92**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Copper	**324.75**	**0.10**	**2.7**	**3.1**		**1**	**ICPST**	**5/23/2005**	**13:43**
Iron	**271.44**	**1.8**	**11.0**	**1550**		**1**	**ICPST**	**5/23/2005**	**13:43**
Lead	**220.35**	**0.19**	**0.33**	**31.0**		**1**	**ICPST**	**5/23/2005**	**13:43**
Magnesium	**279.08**	**1.7**	**549**	**287**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Manganese	**257.61**	**0.12**	**1.6**	**12.5**		**1**	**ICPST**	**5/23/2005**	**13:43**
Nickel	**231.60**	**0.060**	**4.4**	**1.5**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Potassium	**766.49**	**0.53**	**549**	**107**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Selenium	**220.35**	**0.19**	**0.55**	**0.22**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Silver	**328.07**	**0.044**	**0.55**	**0.067**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Sodium	330.23	11.5	549	11.5	U	1	ICPST	5/23/2005	13:43
Thallium	190.86	0.24	1.1	0.24	U	1	ICPST	5/23/2005	13:43
Vanadium	**292.40**	**0.043**	**5.5**	**5.3**	**B**	**1**	**ICPST**	**5/23/2005**	**13:43**
Zinc	**206.2**	**0.11**	**2.2**	**22.8**		**1**	**ICPST**	**5/23/2005**	**13:43**

Comments: Lot #: C5E070137 Sample #: 3

5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932F **Client ID:** FT-SB-225-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/19/2005 **Prep Batch:** 5139126

Weight: .6 **Volume:** 100 **Percent Moisture:** 8.863

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0031	0.037	0.024	B	1	CVAA	5/19/2005	15:41

Comments: Lot #: C5E070137 Sample #: 3

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-226-0305

GC/MS Volatiles

Lot-Sample #...:	C5E070137-002	**Work Order #...:**	G93111AF	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5138049
Prep Date.....:	05/18/05	**Analysis Date..:**	05/18/05		
Prep Batch #...:	5138072	**Analysis Time..:**	10:58		
Dilution Factor:	0.86	**Initial Wgt/Vol:**	5.81 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	14	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**11 J**	**20**	**ug/kg**	**5.0**
Benzene	ND	5.0	ug/kg	0.55
Bromodichloromethane	ND	5.0	ug/kg	0.25
Bromoform	ND	5.0	ug/kg	0.61
Bromomethane	ND	5.0	ug/kg	0.93
2-Butanone	ND	5.0	ug/kg	1.4
Carbon disulfide	ND	5.0	ug/kg	0.36
Carbon tetrachloride	ND	5.0	ug/kg	0.25
Chlorobenzene	ND	5.0	ug/kg	0.85
Chloroethane	ND	5.0	ug/kg	0.94
Chloroform	ND	5.0	ug/kg	0.25
Chloromethane	ND	5.0	ug/kg	0.29
Cyclohexane	ND	5.0	ug/kg	0.38
Dibromochloromethane	ND	5.0	ug/kg	0.26
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/kg	0.47
1,2-Dibromoethane	ND	5.0	ug/kg	0.27
1,3-Dichlorobenzene	ND	5.0	ug/kg	0.91
1,4-Dichlorobenzene	ND	5.0	ug/kg	0.68
1,2-Dichlorobenzene	ND	5.0	ug/kg	0.93
Dichlorodifluoromethane	ND	5.0	ug/kg	0.51
1,1-Dichloroethane	ND	5.0	ug/kg	0.29
1,2-Dichloroethane	ND	5.0	ug/kg	0.30
1,1-Dichloroethene	ND	5.0	ug/kg	0.59
cis-1,2-Dichloroethene	ND	5.0	ug/kg	0.75
trans-1,2-Dichloroethene	ND	5.0	ug/kg	0.65
1,2-Dichloropropane	ND	5.0	ug/kg	0.63
cis-1,3-Dichloropropene	ND	5.0	ug/kg	0.29
trans-1,3-Dichloropropene	ND	5.0	ug/kg	0.28
Ethylbenzene	ND	5.0	ug/kg	0.93
2-Hexanone	ND	5.0	ug/kg	0.81
Isopropylbenzene	ND	5.0	ug/kg	1.1
Methyl acetate	ND	5.0	ug/kg	2.5
Methylene chloride	ND	5.0	ug/kg	1.3
Methylcyclohexane	ND	5.0	ug/kg	0.78
4-Methyl-2-pentanone	ND	5.0	ug/kg	0.84
Methyl tert-butyl ether	ND	5.0	ug/kg	0.41

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Tetra Tech NUS, Inc

Client Sample ID: FT-SB-226-0305

GC/MS Volatiles

Lot-Sample #...: C5E070137-002 Work Order #...: G93111AF Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.0	ug/kg	0.80
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	0.45
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	1.4
Tetrachloroethene	ND	5.0	ug/kg	0.77
1,1,1-Trichloroethane	ND	5.0	ug/kg	0.27
1,1,2-Trichloroethane	ND	5.0	ug/kg	0.68
Trichloroethene	ND	5.0	ug/kg	0.86
Trichlorofluoromethane	ND	5.0	ug/kg	1.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/kg	0.35
Toluene	ND	5.0	ug/kg	0.59
Vinyl chloride	ND	5.0	ug/kg	0.66
Xylenes (total)	ND	15	ug/kg	2.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(61 - 130)
Toluene-d8	110	(60 - 143)
4-Bromofluorobenzene	90	(47 - 158)
Dibromofluoromethane	100	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-226-0305

HPLC

Lot-Sample #...:	C5E070137-002	Work Order #...:	G93111A9	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5133030
Prep Date.....:	05/13/05	Analysis Date..:	05/13/05		
Prep Batch #...:	5133050	Analysis Time..:	22:35		
Dilution Factor:	5	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	14	Analyst ID.....:	014878	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	190	ug/kg	20
Acenaphthylene	**7.9 J**	**190**	**ug/kg**	**3.5**
Acenaphthene	ND	190	ug/kg	43
Fluorene	**53**	**39**	**ug/kg**	**11**
Phenanthrene	**380**	**39**	**ug/kg**	**2.5**
Anthracene	**71**	**39**	**ug/kg**	**2.7**
Fluoranthene	**460**	**39**	**ug/kg**	**3.2**
Pyrene	**490**	**39**	**ug/kg**	**2.6**
Benzo(a)anthracene	**190**	**39**	**ug/kg**	**3.3**
Chrysene	**180**	**39**	**ug/kg**	**3.3**
Benzo(b)fluoranthene	**160**	**39**	**ug/kg**	**4.6**
Benzo(k)fluoranthene	**110**	**39**	**ug/kg**	**3.8**
Benzo(a)pyrene	**180**	**39**	**ug/kg**	**3.5**
Indeno(1,2,3-cd)pyrene	**130**	**39**	**ug/kg**	**2.6**
Dibenzo(a,h)anthracene	**27 J,PG**	**39**	**ug/kg**	**6.1**
Benzo(ghi)perylene	**110 PG**	**39**	**ug/kg**	**3.3**
2-Methylnaphthalene	ND	190	ug/kg	15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	92	(49 - 129)
Terphenyl-d14	NC,I	(54 - 126)

NOTE(S):

NC The recovery and/or RPD were not calculated.

I Matrix interference.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-226-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-002	**Work Order #...:**	G93111A7	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	15:58		
Dilution Factor:	1				
% Moisture.....:	14	**Method.....:**	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	2.0	ug/kg
beta-BHC	ND	2.0	ug/kg
delta-BHC	ND	2.0	ug/kg
gamma-BHC (Lindane)	ND	2.0	ug/kg
Heptachlor	ND	2.0	ug/kg
Aldrin	ND	2.0	ug/kg
Heptachlor epoxide	ND	2.0	ug/kg
Endosulfan I	ND	2.0	ug/kg
Dieldrin	ND	2.0	ug/kg
4,4'-DDE	**2.5**	**2.0**	**ug/kg**
Endrin	**0.22 J,PG**	**2.0**	**ug/kg**
Endrin ketone	ND	2.0	ug/kg
Endrin aldehyde	ND	2.0	ug/kg
Endosulfan II	ND	2.0	ug/kg
4,4'-DDD	**0.73 J**	**2.0**	**ug/kg**
Endosulfan sulfate	ND	2.0	ug/kg
4,4'-DDT	**5.5**	**2.0**	**ug/kg**
Methoxychlor	ND	3.8	ug/kg
alpha-Chlordane	ND	2.0	ug/kg
gamma-Chlordane	**0.76 J,PG**	**2.0**	**ug/kg**
Toxaphene	ND	78	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(31 - 131)
Decachlorobiphenyl	73	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FT-SB-226-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-002	Work Order #...:	G93111A8	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5131032
Prep Date.....:	05/11/05	Analysis Date..:	05/23/05		
Prep Batch #...:	5131061	Analysis Time..:	20:57		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	14	Analyst ID.....:	402360	Instrument ID..:	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	38	ug/kg	31
Aroclor 1221	ND	38	ug/kg	15
Aroclor 1232	ND	38	ug/kg	18
Aroclor 1242	ND	38	ug/kg	13
Aroclor 1248	ND	38	ug/kg	14
Aroclor 1254	ND	38	ug/kg	5.1
Aroclor 1260	ND	38	ug/kg	4.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	62	(31 - 127)
Decachlorobiphenyl	72	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9311 **Client ID:** FT-SB-226-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 14.066

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	1.7	23.3	3130		1	ICPST	5/23/2005	13:24
Antimony	206.84	0.30	1.2	0.30	U	1	ICPST	5/23/2005	13:24
Arsenic	189.04	0.23	1.2	1.9		1	ICPST	5/23/2005	13:24
Barium	493.41	0.019	23.3	20.3	B	1	ICPST	5/23/2005	13:24
Beryllium	313.04	0.014	0.58	0.26	B	1	ICPST	5/23/2005	13:24
Cadmium	226.50	0.026	0.58	0.044	B	1	ICPST	5/23/2005	13:24
Calcium	317.93	3.1	582	652		1	ICPST	5/23/2005	13:24
Chromium	267.72	0.047	0.58	4.2		1	ICPST	5/23/2005	13:24
Cobalt	228.62	0.049	5.8	0.91	B	1	ICPST	5/23/2005	13:24
Copper	324.75	0.11	2.9	7.2		1	ICPST	5/23/2005	13:24
Iron	271.44	1.9	11.6	2450		1	ICPST	5/23/2005	13:24
Lead	220.35	0.20	0.35	4.8		1	ICPST	5/23/2005	13:24
Magnesium	279.08	1.8	582	181	B	1	ICPST	5/23/2005	13:24
Manganese	257.61	0.13	1.7	20.1		1	ICPST	5/23/2005	13:24
Nickel	231.60	0.064	4.7	2.0	B	1	ICPST	5/23/2005	13:24
Potassium	766.49	0.56	582	74.5	B	1	ICPST	5/23/2005	13:24
Selenium	220.35	0.20	0.58	0.35	B	1	ICPST	5/23/2005	13:24
Silver	328.07	0.047	0.58	0.071	B	1	ICPST	5/23/2005	13:24
Sodium	330.23	12.2	582	25.0	B	1	ICPST	5/23/2005	13:24
Thallium	190.86	0.26	1.2	0.26	U	1	ICPST	5/23/2005	13:24
Vanadium	292.40	0.045	5.8	7.4		1	ICPST	5/23/2005	13:24
Zinc	206.2	0.12	2.3	7.2		1	ICPST	5/23/2005	13:24

Comments: Lot #: C5E070137 Sample #: 2

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9311 **Client ID:** FT-SB-226-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/19/2005 **Prep Batch:** 5139126

Weight: .6 **Volume:** 100 **Percent Moisture:** 14.066

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0033	0.039	0.018	B	1	CVAA	5/19/2005	15:36

Comments: Lot #: C5E070137 Sample #: 2

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form I Equivalent

APPENDIX C.6

VOC, PAH, Pesticide/PCB, Metal – QA/QC

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01
FT-SB-202-0305

GC/MS Volatiles

Lot-Sample #...:	C5E050136-021	**Work Order #...:**	G9WC41AR	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5126045
Prep Date.....:	05/06/05	**Analysis Date..:**	05/06/05		
Prep Batch #...:	5126055	**Analysis Time..:**	13:28		
Dilution Factor:	0.87	**Initial Wgt/Vol:**	5.73 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	19	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	21	ug/kg	5.3
Benzene	ND	5.3	ug/kg	0.58
Bromodichloromethane	ND	5.3	ug/kg	0.27
Bromoform	ND	5.3	ug/kg	0.65
Bromomethane	ND	5.3	ug/kg	1.0
2-Butanone	ND	5.3	ug/kg	1.5
Carbon disulfide	ND	5.3	ug/kg	0.39
Carbon tetrachloride	ND	5.3	ug/kg	0.27
Chlorobenzene	ND	5.3	ug/kg	0.91
Chloroethane	ND	5.3	ug/kg	1.0
Chloroform	ND	5.3	ug/kg	0.27
Chloromethane	ND	5.3	ug/kg	0.31
Cyclohexane	ND	5.3	ug/kg	0.40
Dibromochloromethane	ND	5.3	ug/kg	0.28
1,2-Dibromo-3-chloro-propane	ND	5.3	ug/kg	0.50
1,2-Dibromoethane	ND	5.3	ug/kg	0.29
1,3-Dichlorobenzene	ND	5.3	ug/kg	0.97
1,4-Dichlorobenzene	ND	5.3	ug/kg	0.73
1,2-Dichlorobenzene	ND	5.3	ug/kg	0.99
Dichlorodifluoromethane	ND	5.3	ug/kg	0.54
1,1-Dichloroethane	ND	5.3	ug/kg	0.31
1,2-Dichloroethane	ND	5.3	ug/kg	0.32
1,1-Dichloroethene	ND	5.3	ug/kg	0.63
cis-1,2-Dichloroethene	ND	5.3	ug/kg	0.80
trans-1,2-Dichloroethene	ND	5.3	ug/kg	0.70
1,2-Dichloropropane	ND	5.3	ug/kg	0.67
cis-1,3-Dichloropropene	ND	5.3	ug/kg	0.31
trans-1,3-Dichloropropene	ND	5.3	ug/kg	0.29
Ethylbenzene	ND	5.3	ug/kg	1.0
2-Hexanone	ND	5.3	ug/kg	0.87
Isopropylbenzene	ND	5.3	ug/kg	1.2
Methyl acetate	ND	5.3	ug/kg	2.7
Methylene chloride	**2.6 J**	**5.3**	**ug/kg**	**1.4**
Methylcyclohexane	ND	5.3	ug/kg	0.84
4-Methyl-2-pentanone	ND	5.3	ug/kg	0.90
Methyl tert-butyl ether	ND	5.3	ug/kg	0.44

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01
FT-SB- 202 -0305
GC/MS Volatiles

Lot-Sample #...: C5E050136-021 Work Order #...: G9WC41AR Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.3	ug/kg	0.86
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	0.48
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	1.5
Tetrachloroethene	ND	5.3	ug/kg	0.82
1,1,1-Trichloroethane	ND	5.3	ug/kg	0.29
1,1,2-Trichloroethane	ND	5.3	ug/kg	0.73
Trichloroethene	ND	5.3	ug/kg	0.92
Trichlorofluoromethane	ND	5.3	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.3	ug/kg	0.37
Toluene	ND	5.3	ug/kg	0.63
Vinyl chloride	ND	5.3	ug/kg	0.70
Xylenes (total)	ND	16	ug/kg	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(61 - 130)
Toluene-d8	114	(60 - 143)
4-Bromofluorobenzene	100	(47 - 158)
Dibromofluoromethane	106	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01

FT-SB-202-0305

HPLC

Lot-Sample #...:	C5E050136-021	Work Order #...:	G9WC42CA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5139049
Prep Date.....:	05/19/05	Analysis Date..:	05/19/05		
Prep Batch #...:	5139069	Analysis Time..:	13:59		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	19	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**6.9 J**	**41**	**ug/kg**	**4.2**
Acenaphthylene	ND	41	ug/kg	3.7
Acenaphthene	ND	41	ug/kg	9.0
Fluorene	**7.6 J**	**8.2**	**ug/kg**	**2.2**
Phenanthrene	**55**	**8.2**	**ug/kg**	**0.53**
Anthracene	**15**	**8.2**	**ug/kg**	**0.56**
Fluoranthene	**78**	**8.2**	**ug/kg**	**0.67**
Pyrene	**86**	**8.2**	**ug/kg**	**0.55**
Benzo(a)anthracene	**35**	**8.2**	**ug/kg**	**0.70**
Chrysene	ND	8.2	ug/kg	0.69
Benzo(b)fluoranthene	**41 PG**	**8.2**	**ug/kg**	**0.97**
Benzo(k)fluoranthene	**24**	**8.2**	**ug/kg**	**0.80**
Benzo(a)pyrene	**42**	**8.2**	**ug/kg**	**0.74**
Indeno(1,2,3-cd)pyrene	**29**	**8.2**	**ug/kg**	**0.55**
Dibenzo(a,h)anthracene	**6.2 J,PG**	**8.2**	**ug/kg**	**1.3**
Benzo(ghi)perylene	**32**	**8.2**	**ug/kg**	**0.69**
2-Methylnaphthalene	ND	41	ug/kg	3.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	32 *	(49 - 129)
Terphenyl-d14	33 *	(54 - 126)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01

HPLC FT-SB-202-0305

Lot-Sample #...:	C5E050136-021	Work Order #...:	G9WC41CA	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5137005
Prep Date.....:	05/17/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5137014	Analysis Time..:	06:24		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	19	Analyst ID.....:	401414	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	41	ug/kg	4.2
Acenaphthylene	ND	41	ug/kg	3.7
Acenaphthene	ND	41	ug/kg	9.0
Fluorene	**3.4 J**	**8.2**	**ug/kg**	**2.2**
Phenanthrene	**27**	**8.2**	**ug/kg**	**0.53**
Anthracene	**7.4 J**	**8.2**	**ug/kg**	**0.56**
Fluoranthene	**39**	**8.2**	**ug/kg**	**0.67**
Pyrene	**37**	**8.2**	**ug/kg**	**0.55**
Benzo(a)anthracene	**17**	**8.2**	**ug/kg**	**0.70**
Chrysene	**16**	**8.2**	**ug/kg**	**0.69**
Benzo(b)fluoranthene	**17**	**8.2**	**ug/kg**	**0.97**
Benzo(k)fluoranthene	**8.5**	**8.2**	**ug/kg**	**0.80**
Benzo(a)pyrene	**18**	**8.2**	**ug/kg**	**0.74**
Indeno(1,2,3-cd)pyrene	**13**	**8.2**	**ug/kg**	**0.55**
Dibenzo(a,h)anthracene	**2.0 J,PG**	**8.2**	**ug/kg**	**1.3**
Benzo(ghi)perylene	**15 PG**	**8.2**	**ug/kg**	**0.69**
2-Methylnaphthalene	ND	41	ug/kg	3.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	19 *	(49 - 129)
Terphenyl-d14	19 *	(54 - 126)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01

FT-SB-202-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-021	Work Order #...:	G9WC41AK	Matrix.....:	SOLID
Date Sampled...:	05/04/05	Date Received..:	05/05/05	MS Run #.....:	5131028
Prep Date.....:	05/11/05	Analysis Date..:	05/20/05		
Prep Batch #...:	5131054	Analysis Time..:	00:42		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	19	Analyst ID.....:	402331	Instrument ID..:	M/N
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.18
beta-BHC	ND	2.1	ug/kg	0.27
delta-BHC	ND	2.1	ug/kg	0.23
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.17
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	ND	2.1	ug/kg	0.26
Heptachlor epoxide	ND	2.1	ug/kg	0.25
Endosulfan I	ND	2.1	ug/kg	0.20
Dieldrin	**0.33 J**	**2.1**	**ug/kg**	**0.20**
4,4'-DDE	**1.1 J**	**2.1**	**ug/kg**	**0.26**
Endrin	ND	2.1	ug/kg	0.20
Endrin ketone	ND	2.1	ug/kg	0.27
Endrin aldehyde	ND	2.1	ug/kg	0.44
Endosulfan II	ND	2.1	ug/kg	0.32
4,4'-DDD	**5.8**	**2.1**	**ug/kg**	**0.20**
Endosulfan sulfate	ND	2.1	ug/kg	0.28
4,4'-DDT	**0.63 J,PG**	**2.1**	**ug/kg**	**0.22**
Methoxychlor	ND	4.1	ug/kg	0.45
alpha-Chlordane	ND	2.1	ug/kg	0.27
gamma-Chlordane	**0.90 J**	**2.1**	**ug/kg**	**0.26**
Toxaphene	ND	82	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(31 - 131)
Decachlorobiphenyl	86	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050405-01
FT-SB-202-0305

GC Semivolatiles

Lot-Sample #...:	C5E050136-021	**Work Order #...:**	G9WC41AL	**Matrix.....:**	SOLID
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5131032
Prep Date.....:	05/11/05	**Analysis Date..:**	05/23/05		
Prep Batch #...:	5131061	**Analysis Time..:**	19:31		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	19	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	41	ug/kg	33
Aroclor 1221	ND	41	ug/kg	16
Aroclor 1232	ND	41	ug/kg	19
Aroclor 1242	ND	41	ug/kg	14
Aroclor 1248	ND	41	ug/kg	15
Aroclor 1254	ND	41	ug/kg	5.4
Aroclor 1260	ND	41	ug/kg	4.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(31 - 127)
Decachlorobiphenyl	76	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WC4 **Client ID:** DUP-050405-01 FT-SB-202-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/18/2005 **Prep Batch:** 5137072

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 18.6

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**3.1**	**24.6**	**2120**		**1**	**ICPST**	**5/19/2005**	**23:21**
Antimony	220.35	0.38	1.2	0.38	U	1	ICPST	5/19/2005	23:21
Arsenic	**189.04**	**0.18**	**1.2**	**0.65**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Barium	**493.41**	**0.071**	**24.6**	**10.1**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Beryllium	313.04	0.055	0.49	0.055	U	1	ICPST	5/19/2005	23:21
Cadmium	**226.50**	**0.028**	**0.61**	**0.082**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Calcium	**317.93**	**1.0**	**614**	**1110**		**1**	**ICPST**	**5/19/2005**	**23:21**
Chromium	**267.72**	**0.076**	**0.61**	**4.0**		**1**	**ICPST**	**5/19/2005**	**23:21**
Cobalt	**228.62**	**0.057**	**6.1**	**0.33**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Copper	**324.75**	**0.16**	**3.1**	**2.5**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Iron	**271.44**	**1.6**	**12.3**	**1580**		**1**	**ICPST**	**5/19/2005**	**23:21**
Lead	**220.35**	**0.17**	**0.37**	**3.8**		**1**	**ICPST**	**5/24/2005**	**14:53**
Magnesium	**279.08**	**1.2**	**614**	**254**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Manganese	**257.61**	**0.023**	**1.8**	**17.3**		**1**	**ICPST**	**5/19/2005**	**23:21**
Nickel	**231.60**	**0.15**	**4.9**	**1.2**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Potassium	**766.49**	**8.3**	**614**	**53.7**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Selenium	**220.35**	**0.31**	**0.61**	**0.67**		**1**	**ICPST**	**5/19/2005**	**23:21**
Silver	328.07	0.081	0.61	0.081	U	1	ICPST	5/19/2005	23:21
Sodium	**330.23**	**16.0**	**614**	**277**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Thallium	190.86	0.41	1.2	0.41	U	1	ICPST	5/19/2005	23:21
Vanadium	**292.40**	**0.14**	**6.1**	**5.5**	**B**	**1**	**ICPST**	**5/19/2005**	**23:21**
Zinc	**213.86**	**0.057**	**2.5**	**5.8**		**1**	**ICPST**	**5/19/2005**	**23:21**

Comments: Lot #: C5E050136 Sample #: 21

04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G9WC4 **Client ID:** DUP-050405-01 FT-SB-202-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/13/2005 **Prep Batch:** 5133040

Weight: .6 **Volume:** 100 **Percent Moisture:** 18.6

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0035	0.041	0.0059	B	1	CVAA	5/13/2005	9:51

Comments: Lot #: C5E050136 Sample #: 21

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: DUP-050605-03

FT-SB-224-0305

GC/MS Volatiles

Lot-Sample #...:	C5E070137-006	Work Order #...:	G932J1AR	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5138049
Prep Date.....:	05/18/05	Analysis Date..:	05/18/05		
Prep Batch #...:	5138072	Analysis Time..:	14:00		
Dilution Factor:	1.05	Initial Wgt/Vol:	4.76 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	4.5	Analyst ID.....:	010099	Instrument ID..:	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	22	ug/kg	5.5
Benzene	ND	5.5	ug/kg	0.60
Bromodichloromethane	ND	5.5	ug/kg	0.27
Bromoform	ND	5.5	ug/kg	0.67
Bromomethane	ND	5.5	ug/kg	1.0
2-Butanone	ND	5.5	ug/kg	1.5
Carbon disulfide	ND	5.5	ug/kg	0.40
Carbon tetrachloride	ND	5.5	ug/kg	0.27
Chlorobenzene	ND	5.5	ug/kg	0.94
Chloroethane	ND	5.5	ug/kg	1.0
Chloroform	ND	5.5	ug/kg	0.27
Chloromethane	ND	5.5	ug/kg	0.32
Cyclohexane	ND	5.5	ug/kg	0.42
Dibromochloromethane	ND	5.5	ug/kg	0.29
,2-Dibromo-3-chloro-propane	ND	5.5	ug/kg	0.51
1,2-Dibromoethane	ND	5.5	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.5	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.5	ug/kg	0.75
1,2-Dichlorobenzene	ND	5.5	ug/kg	1.0
Dichlorodifluoromethane	ND	5.5	ug/kg	0.56
1,1-Dichloroethane	ND	5.5	ug/kg	0.32
1,2-Dichloroethane	ND	5.5	ug/kg	0.33
1,1-Dichloroethene	ND	5.5	ug/kg	0.65
cis-1,2-Dichloroethene	ND	5.5	ug/kg	0.82
trans-1,2-Dichloroethene	ND	5.5	ug/kg	0.72
1,2-Dichloropropane	ND	5.5	ug/kg	0.69
cis-1,3-Dichloropropene	ND	5.5	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.5	ug/kg	0.30
Ethylbenzene	ND	5.5	ug/kg	1.0
2-Hexanone	ND	5.5	ug/kg	0.89
Isopropylbenzene	ND	5.5	ug/kg	1.2
Methyl acetate	ND	5.5	ug/kg	2.7
Methylene chloride	**2.5 J**	**5.5**	**ug/kg**	**1.5**
Methylcyclohexane	ND	5.5	ug/kg	0.86
4-Methyl-2-pentanone	ND	5.5	ug/kg	0.93
Methyl tert-butyl ether	ND	5.5	ug/kg	0.45

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: DUP-050605-03
FT-SB-224-0305

GC/MS Volatiles

Lot-Sample #...: C5E070137-006 Work Order #...: G932J1AR Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.5	ug/kg	0.88
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	0.50
1,2,4-Trichloro-benzene	ND	5.5	ug/kg	1.5
Tetrachloroethene	ND	5.5	ug/kg	0.84
1,1,1-Trichloroethane	ND	5.5	ug/kg	0.30
1,1,2-Trichloroethane	ND	5.5	ug/kg	0.75
Trichloroethene	ND	5.5	ug/kg	0.95
Trichlorofluoromethane	ND	5.5	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.5	ug/kg	0.38
Toluene	ND	5.5	ug/kg	0.65
Vinyl chloride	ND	5.5	ug/kg	0.72
Xylenes (total)	ND	16	ug/kg	3.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(61 - 130)
Toluene-d8	96	(60 - 143)
4-Bromofluorobenzene	89	(47 - 158)
Dibromofluoromethane	98	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050605-03

FT-SB-224-0305

HPLC

Lot-Sample #...:	C5E070137-006	Work Order #...:	G932J1AL	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5133030
Prep Date.....:	05/13/05	Analysis Date..:	05/14/05		
Prep Batch #...:	5133050	Analysis Time..:	03:58		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	4.5	Analyst ID.....:	014878	Instrument ID..:	G
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	ND	35	ug/kg	3.5
Acenaphthylene	ND	35	ug/kg	3.1
Acenaphthene	ND	35	ug/kg	7.6
Fluorene	ND	7.0	ug/kg	1.9
Phenanthrene	**3.4 J,PG**	**7.0**	**ug/kg**	**0.45**
Anthracene	ND	7.0	ug/kg	0.48
Fluoranthene	**4.0 J**	**7.0**	**ug/kg**	**0.57**
Pyrene	**4.1 J**	**7.0**	**ug/kg**	**0.47**
Benzo(a)anthracene	**1.4 J,PG**	**7.0**	**ug/kg**	**0.60**
Chrysene	**2.1 J**	**7.0**	**ug/kg**	**0.59**
Benzo(b)fluoranthene	**1.8 J,PG**	**7.0**	**ug/kg**	**0.83**
Benzo(k)fluoranthene	**0.88 J,PG**	**7.0**	**ug/kg**	**0.69**
Benzo(a)pyrene	**1.6 J,PG**	**7.0**	**ug/kg**	**0.63**
Indeno(1,2,3-cd)pyrene	**2.1 J**	**7.0**	**ug/kg**	**0.47**
Dibenzo(a,h)anthracene	ND	7.0	ug/kg	1.1
Benzo(ghi)perylene	**4.2 J**	**7.0**	**ug/kg**	**0.59**
2-Methylnaphthalene	ND	35	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	62	(49 - 129)
Terphenyl-d14	73	(54 - 126)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050605-03
FT-SB-224-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-006	**Work Order #...:**	G932J1AJ	**Matrix.....:**	SOLID
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5131028
Prep Date.....:	05/11/05	**Analysis Date..:**	05/19/05		
Prep Batch #...:	5131054	**Analysis Time..:**	18:02		
Dilution Factor:	1				
% Moisture.....:	4.5	**Method.....:**	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.8	ug/kg
beta-BHC	ND	1.8	ug/kg
delta-BHC	ND	1.8	ug/kg
gamma-BHC (Lindane)	ND	1.8	ug/kg
Heptachlor	ND	1.8	ug/kg
Aldrin	ND	1.8	ug/kg
Heptachlor epoxide	ND	1.8	ug/kg
Endosulfan I	**0.18 J,PG**	**1.8**	**ug/kg**
Dieldrin	**0.24 J,PG**	**1.8**	**ug/kg**
4,4'-DDE	**0.52 J**	**1.8**	**ug/kg**
Endrin	**0.28 J**	**1.8**	**ug/kg**
Endrin ketone	ND	1.8	ug/kg
Endrin aldehyde	ND	1.8	ug/kg
Endosulfan II	**0.28 J,PG**	**1.8**	**ug/kg**
4,4'-DDD	ND	1.8	ug/kg
Endosulfan sulfate	**0.25 J**	**1.8**	**ug/kg**
4,4'-DDT	**0.35 J,PG**	**1.8**	**ug/kg**
Methoxychlor	ND	3.5	ug/kg
alpha-Chlordane	**0.77 J**	**1.8**	**ug/kg**
gamma-Chlordane	**0.71 J,PG**	**1.8**	**ug/kg**
Toxaphene	ND	70	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(31 - 131)
Decachlorobiphenyl	88	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: DUP-050605-03

FT- SB- 224-0305

GC Semivolatiles

Lot-Sample #...:	C5E070137-006	Work Order #...:	G932J1AK	Matrix.....:	SOLID
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	5131032
Prep Date.....:	05/11/05	Analysis Date..:	05/23/05		
Prep Batch #...:	5131061	Analysis Time..:	22:24		
Dilution Factor:	1	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	4.5	Analyst ID.....:	402360	Instrument ID..:	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	28
Aroclor 1221	ND	35	ug/kg	13
Aroclor 1232	ND	35	ug/kg	16
Aroclor 1242	ND	35	ug/kg	12
Aroclor 1248	ND	35	ug/kg	13
Aroclor 1254	ND	35	ug/kg	4.6
Aroclor 1260	ND	35	ug/kg	3.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(31 - 127)
Decachlorobiphenyl	77	(23 - 141)

NOTE(S):

sults and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932J **Client ID:** DUP-050605-03 FT-SB-224-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/20/2005 **Prep Batch:** 5140146

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 4.492

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**20.9**	**1640**		**1**	**ICPST**	**5/23/2005**	**13:59**
Antimony	206.84	0.27	1.0	0.27	U	1	ICPST	5/23/2005	13:59
Arsenic	**189.04**	**0.21**	**1.0**	**0.44**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Barium	**493.41**	**0.017**	**20.9**	**2.8**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Beryllium	**313.04**	**0.013**	**0.52**	**0.11**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Cadmium	226.50	0.023	0.52	0.023	U	1	ICPST	5/23/2005	13:59
Calcium	**317.93**	**2.8**	**524**	**40.3**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Chromium	**267.72**	**0.042**	**0.52**	**2.8**		**1**	**ICPST**	**5/23/2005**	**13:59**
Cobalt	**228.62**	**0.044**	**5.2**	**0.78**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Copper	**324.75**	**0.096**	**2.6**	**1.3**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Iron	**271.44**	**1.7**	**10.5**	**1570**		**1**	**ICPST**	**5/23/2005**	**13:59**
Lead	**220.35**	**0.18**	**0.31**	**1.8**		**1**	**ICPST**	**5/23/2005**	**13:59**
Magnesium	**279.08**	**1.6**	**524**	**118**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Manganese	**257.61**	**0.12**	**1.6**	**24.4**		**1**	**ICPST**	**5/23/2005**	**13:59**
Nickel	**231.60**	**0.058**	**4.2**	**0.83**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Potassium	**766.49**	**0.50**	**524**	**70.9**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Selenium	220.35	0.18	0.52	0.18	U	1	ICPST	5/23/2005	13:59
Silver	**328.07**	**0.042**	**0.52**	**0.059**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Sodium	**330.23**	**11.0**	**524**	**14.6**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Thallium	190.86	0.23	1.0	0.23	U	1	ICPST	5/23/2005	13:59
Vanadium	**292.40**	**0.041**	**5.2**	**3.9**	**B**	**1**	**ICPST**	**5/23/2005**	**13:59**
Zinc	**206.2**	**0.10**	**2.1**	**3.1**		**1**	**ICPST**	**5/23/2005**	**13:59**

Comments: Lot #: C5E070137 Sample #: 6

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932J **Client ID:** DUP-050605-03 FT-SB-224-0305

Matrix: Soil **Units:** mg/kg **Prep Date:** 5/19/2005 **Prep Batch:** 5139126

Weight: .6 **Volume:** 100 **Percent Moisture:** 4.492

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.0030	0.035	0.0054	B	1	CVAA	5/19/2005	15:46

Comments: Lot #: C5E070137 Sample #: 6

5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: FB-050505

GC/MS Volatiles

Lot-Sample #...:	C5E070137-007	**Work Order #...:**	G932K1AA	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5134045
Prep Date.....:	05/14/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5134062	**Analysis Time..:**	16:55		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	001562	**Instrument ID..:**	HP5		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/L	5.0
Benzene	ND	5.0	ug/L	1.3
Bromodichloromethane	ND	5.0	ug/L	0.78
Bromoform	ND	5.0	ug/L	2.2
Bromomethane	ND	5.0	ug/L	1.4
2-Butanone	ND	5.0	ug/L	2.3
Carbon disulfide	ND	5.0	ug/L	0.90
Carbon tetrachloride	ND	5.0	ug/L	0.58
Chlorobenzene	ND	5.0	ug/L	0.42
Chloroethane	ND	5.0	ug/L	3.7
Chloroform	ND	5.0	ug/L	0.73
Chloromethane	ND	5.0	ug/L	1.0
Cyclohexane	ND	5.0	ug/L	2.7
Dibromochloromethane	ND	5.0	ug/L	1.9
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	2.5
1,2-Dibromoethane	ND	5.0	ug/L	0.37
1,3-Dichlorobenzene	ND	5.0	ug/L	0.43
1,4-Dichlorobenzene	ND	5.0	ug/L	1.0
1,2-Dichlorobenzene	ND	5.0	ug/L	0.53
Dichlorodifluoromethane	ND	5.0	ug/L	1.6
1,1-Dichloroethane	ND	5.0	ug/L	0.86
1,2-Dichloroethane	ND	5.0	ug/L	0.56
1,1-Dichloroethene	ND	5.0	ug/L	1.2
cis-1,2-Dichloroethene	ND	5.0	ug/L	1.2
trans-1,2-Dichloroethene	ND	5.0	ug/L	1.2
1,2-Dichloropropane	ND	5.0	ug/L	1.3
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.95
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.28
Ethylbenzene	ND	5.0	ug/L	1.7
2-Hexanone	ND	5.0	ug/L	0.71
Isopropylbenzene	ND	5.0	ug/L	2.6
Methyl acetate	ND	5.0	ug/L	1.3
Methylene chloride	ND	5.0	ug/L	1.1
Methylcyclohexane	ND	5.0	ug/L	2.6
4-Methyl-2-pentanone	ND	5.0	ug/L	1.4
Methyl tert-butyl ether	ND	5.0	ug/L	0.68

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Tetra Tech NUS, Inc

Client Sample ID: FB-050505

GC/MS Volatiles

Lot-Sample #...: C5E070137-007 Work Order #...: G932K1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.0	ug/L	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.7
1,2,4-Trichloro-benzene	ND	5.0	ug/L	0.69
Tetrachloroethene	ND	5.0	ug/L	0.66
1,1,1-Trichloroethane	ND	5.0	ug/L	1.0
1,1,2-Trichloroethane	ND	5.0	ug/L	0.57
Trichloroethene	ND	5.0	ug/L	1.3
Trichlorofluoromethane	ND	5.0	ug/L	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	1.3
Toluene	ND	5.0	ug/L	0.61
Vinyl chloride	ND	5.0	ug/L	1.1
Xylenes (total)	ND	15	ug/L	5.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(77 - 120)
Toluene-d8	99	(78 - 111)
4-Bromofluorobenzene	92	(80 - 114)
Dibromofluoromethane	100	(78 - 110)

Tetra Tech NUS, Inc

Client Sample ID: FB-050505

HPLC

Lot-Sample #...:	C5B070137-007	**Work Order #...:**	G932K1A8	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/09/05	**Analysis Date..:**	05/11/05		
Prep Batch #...:	5129248	**Analysis Time..:**	04:04		
Dilution Factor:	0.96	**Initial Wgt/Vol:**	1040 mL	**Final Wgt/Vol..:**	1 mL
Analyst ID.....:	401414	**Instrument ID..:**	G		
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**0.16 J,B**	**0.96**	**ug/L**	**0.11**
Acenaphthylene	**0.49 J,B**	**0.96**	**ug/L**	**0.11**
Acenaphthene	ND	0.96	ug/L	0.10
Fluorene	**0.088 J,PG**	**0.19**	**ug/L**	**0.021**
Phenanthrene	**0.53**	**0.19**	**ug/L**	**0.024**
Anthracene	**0.087 J**	**0.19**	**ug/L**	**0.023**
Fluoranthene	**0.20**	**0.19**	**ug/L**	**0.024**
Pyrene	**0.48**	**0.19**	**ug/L**	**0.024**
Benzo(a)anthracene	ND	0.19	ug/L	0.025
Chrysene	ND	0.19	ug/L	0.024
Benzo(b)fluoranthene	ND	0.19	ug/L	0.028
Benzo(k)fluoranthene	ND	0.19	ug/L	0.028
Benzo(a)pyrene	ND	0.19	ug/L	0.027
Indeno(1,2,3-cd)pyrene	ND	0.19	ug/L	0.022
Dibenzo(a,h)anthracene	ND	0.19	ug/L	0.022
Benzo(ghi)perylene	ND	0.19	ug/L	0.024
2-Methylnaphthalene	ND	0.96	ug/L	0.11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	110	(78 - 125)
Terphenyl-d14	112	(72 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: FB-050505

GC Semivolatiles

Lot-Sample #...:	C5E070137-007	**Work Order #...:**	G932K1AC	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/09/05	**Analysis Date..:**	05/17/05		
Prep Batch #...:	5129236	**Analysis Time..:**	14:59		
Dilution Factor:	0.96				
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.048	ug/L
beta-BHC	ND	0.048	ug/L
delta-BHC	ND	0.048	ug/L
gamma-BHC (Lindane)	ND	0.048	ug/L
Heptachlor	ND	0.048	ug/L
Aldrin	ND	0.048	ug/L
Heptachlor epoxide	ND	0.048	ug/L
Endosulfan I	ND	0.048	ug/L
Dieldrin	ND	0.048	ug/L
4,4'-DDE	ND	0.048	ug/L
Endrin	ND	0.048	ug/L
Endrin ketone	ND	0.048	ug/L
Endrin aldehyde	ND	0.048	ug/L
Endosulfan II	ND	0.048	ug/L
4,4'-DDD	ND	0.048	ug/L
Endosulfan sulfate	ND	0.048	ug/L
4,4'-DDT	ND	0.048	ug/L
Methoxychlor	ND	0.096	ug/L
alpha-Chlordane	ND	0.048	ug/L
gamma-Chlordane	ND	0.048	ug/L
Toxaphene	ND	1.9	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	94	(39 - 130)
Decachlorobiphenyl	95	(10 - 147)

Tetra Tech NUS, Inc

Client Sample ID: FB-050505

GC Semivolatiles

Lot-Sample #...:	C5E070137-007	Work Order #...:	G932K1AD	Matrix.....:	WATER
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	
Prep Date.....:	05/09/05	Analysis Date..:	05/24/05		
Prep Batch #...:	5129239	Analysis Time..:	00:34		
Dilution Factor:	0.96	Initial Wgt/Vol:	1040 mL	Final Wgt/Vol..:	10 mL
Analyst ID.....:	402360	Instrument ID..:	S/T		
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	0.96	ug/L	0.47
Aroclor 1221	ND	0.96	ug/L	0.43
Aroclor 1232	ND	0.96	ug/L	0.51
Aroclor 1242	ND	0.96	ug/L	0.24
Aroclor 1248	ND	0.96	ug/L	0.33
Aroclor 1254	ND	0.96	ug/L	0.34
Aroclor 1260	ND	0.96	ug/L	0.56

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(45 - 120)
Decachlorobiphenyl	85	(24 - 128)

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932K **Client ID:** FB-050505

Matrix: Water **Units:** ug/L **Prep Date:** 5/20/2005 **Prep Batch:** 5140149

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**14.5**	**200**	**24.8**	**B**	**1**	**ICPST**	**5/23/2005**	**14:21**
Antimony	206.84	2.6	10.0	2.6	U	1	ICPST	5/23/2005	14:21
Arsenic	189.04	2.0	10.0	2.0	U	1	ICPST	5/23/2005	14:21
Barium	493.41	0.16	200	0.16	U	1	ICPST	5/23/2005	14:21
Beryllium	**313.04**	**0.12**	**5.0**	**0.64**	**B**	**1**	**ICPST**	**5/23/2005**	**14:21**
Cadmium	226.50	0.22	5.0	0.22	U	1	ICPST	5/23/2005	14:21
Calcium	317.93	26.8	5000	26.8	U	1	ICPST	5/23/2005	14:21
Chromium	267.72	0.40	5.0	0.40	U	1	ICPST	5/23/2005	14:21
Cobalt	228.62	0.42	50.0	0.42	U	1	ICPST	5/23/2005	14:21
Copper	324.75	0.92	25.0	0.92	U	1	ICPST	5/23/2005	14:21
Iron	271.44	16.0	100	16.0	U	1	ICPST	5/23/2005	14:21
Lead	220.35	1.7	3.0	1.7	U	1	ICPST	5/23/2005	14:21
Magnesium	279.08	15.5	5000	15.5	U	1	ICPST	5/23/2005	14:21
Manganese	257.61	1.1	15.0	1.1	U	1	ICPST	5/23/2005	14:21
Nickel	231.60	0.55	40.0	0.55	U	1	ICPST	5/23/2005	14:21
Potassium	**766.49**	**4.8**	**5000**	**113**	**B**	**1**	**ICPST**	**5/23/2005**	**14:21**
Selenium	**220.35**	**1.7**	**5.0**	**2.4**	**B**	**1**	**ICPST**	**5/23/2005**	**14:21**
Silver	**328.07**	**0.40**	**5.0**	**0.48**	**B**	**1**	**ICPST**	**5/23/2005**	**14:21**
Sodium	330.23	105	5000	105	U	1	ICPST	5/23/2005	14:21
Thallium	**190.86**	**2.2**	**10.0**	**2.7**	**B**	**1**	**ICPST**	**5/23/2005**	**14:21**
Vanadium	292.40	0.39	50.0	0.39	U	1	ICPST	5/23/2005	14:21
Zinc	**206.2**	**1.0**	**20.0**	**1.6**	**B**	**1**	**ICPST**	**5/23/2005**	**14:21**

Comments: Lot #: C5E070137 Sample #: 7

5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932K **Client ID:** FB-050505

Matrix: Water **Units:** ug/L **Prep Date:** 5/18/2005 **Prep Batch:** 5138130

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.017	0.20	0.033	B	1	CVAA	5/18/2005	16:35

Comments: Lot #: C5E070137 Sample #: 7

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Tetra Tech NUS, Inc

Client Sample ID: RB-050605

GC/MS Volatiles

Lot-Sample #...:	C5E070137-008	**Work Order #...:**	G932V1AL	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5134045
Prep Date.....:	05/14/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5134062	**Analysis Time..:**	17:21		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	001562	**Instrument ID..:**	HP5		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/L	5.0
Benzene	ND	5.0	ug/L	1.3
Bromodichloromethane	ND	5.0	ug/L	0.78
Bromoform	ND	5.0	ug/L	2.2
Bromomethane	ND	5.0	ug/L	1.4
2-Butanone	**2.7 J**	**5.0**	**ug/L**	**2.3**
Carbon disulfide	ND	5.0	ug/L	0.90
Carbon tetrachloride	ND	5.0	ug/L	0.58
Chlorobenzene	ND	5.0	ug/L	0.42
Chloroethane	ND	5.0	ug/L	3.7
Chloroform	ND	5.0	ug/L	0.73
Chloromethane	ND	5.0	ug/L	1.0
Cyclohexane	ND	5.0	ug/L	2.7
Dibromochloromethane	ND	5.0	ug/L	1.9
,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	2.5
1,2-Dibromoethane	ND	5.0	ug/L	0.37
1,3-Dichlorobenzene	ND	5.0	ug/L	0.43
1,4-Dichlorobenzene	ND	5.0	ug/L	1.0
1,2-Dichlorobenzene	ND	5.0	ug/L	0.53
Dichlorodifluoromethane	ND	5.0	ug/L	1.6
1,1-Dichloroethane	ND	5.0	ug/L	0.86
1,2-Dichloroethane	ND	5.0	ug/L	0.56
1,1-Dichloroethene	ND	5.0	ug/L	1.2
cis-1,2-Dichloroethene	ND	5.0	ug/L	1.2
trans-1,2-Dichloroethene	ND	5.0	ug/L	1.2
1,2-Dichloropropane	ND	5.0	ug/L	1.3
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.95
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.28
Ethylbenzene	ND	5.0	ug/L	1.7
2-Hexanone	ND	5.0	ug/L	0.71
Isopropylbenzene	ND	5.0	ug/L	2.6
Methyl acetate	ND	5.0	ug/L	1.3
Methylene chloride	ND	5.0	ug/L	1.1
Methylcyclohexane	ND	5.0	ug/L	2.6
4-Methyl-2-pentanone	ND	5.0	ug/L	1.4
Methyl tert-butyl ether	ND	5.0	ug/L	0.68

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: RB-050605

GC/MS Volatiles

Lot-Sample #...: C5E070137-008 Work Order #...: G932V1AL Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.0	ug/L	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.7
1,2,4-Trichloro-benzene	ND	5.0	ug/L	0.69
Tetrachloroethene	ND	5.0	ug/L	0.66
1,1,1-Trichloroethane	ND	5.0	ug/L	1.0
1,1,2-Trichloroethane	ND	5.0	ug/L	0.57
Trichloroethene	ND	5.0	ug/L	1.3
Trichlorofluoromethane	ND	5.0	ug/L	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	1.3
Toluene	ND	5.0	ug/L	0.61
Vinyl chloride	ND	5.0	ug/L	1.1
Xylenes (total)	ND	15	ug/L	5.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(77 - 120)
Toluene-d8	98	(78 - 111)
4-Bromofluorobenzene	90	(80 - 114)
Dibromofluoromethane	102	(78 - 110)

NOTE(S):

J Estimated result. Result is less than RL.

Tetra Tech NUS, Inc

Client Sample ID: RB-050605

HPLC

Lot-Sample #...:	C5E070137-008	Work Order #...:	G932V1AK	Matrix.....:	WATER
Date Sampled...:	05/06/05	Date Received..:	05/07/05	MS Run #.....:	
Prep Date.....:	05/09/05	Analysis Date..:	05/11/05		
Prep Batch #...:	5129248	Analysis Time..:	04:44		
Dilution Factor:	0.96	Initial Wgt/Vol:	1040 mL	Final Wgt/Vol..:	1 mL
Analyst ID.....:	401414	Instrument ID..:	G		
		Method.....:	SW846 8310		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Naphthalene	**1.6 B**	**0.96**	**ug/L**	**0.11**
Acenaphthylene	**0.54 J,B**	**0.96**	**ug/L**	**0.11**
Acenaphthene	ND	0.96	ug/L	0.10
Fluorene	**0.031 J,PG**	**0.19**	**ug/L**	**0.021**
Phenanthrene	**0.092 J**	**0.19**	**ug/L**	**0.024**
Anthracene	ND	0.19	ug/L	0.023
Fluoranthene	ND	0.19	ug/L	0.024
Pyrene	**0.024 J,PG**	**0.19**	**ug/L**	**0.024**
Benzo(a)anthracene	ND	0.19	ug/L	0.025
Chrysene	ND	0.19	ug/L	0.024
Benzo(b)fluoranthene	ND	0.19	ug/L	0.028
Benzo(k)fluoranthene	ND	0.19	ug/L	0.028
Benzo(a)pyrene	ND	0.19	ug/L	0.027
Indeno(1,2,3-cd)pyrene	ND	0.19	ug/L	0.022
Dibenzo(a,h)anthracene	ND	0.19	ug/L	0.022
Benzo(ghi)perylene	ND	0.19	ug/L	0.024
2-Methylnaphthalene	**0.19 J**	**0.96**	**ug/L**	**0.11**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	107	(78 - 125)
Terphenyl-d14	109	(72 - 125)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Tetra Tech NUS, Inc

Client Sample ID: RB-050605

GC Semivolatiles

Lot-Sample #...: C5E070137-008 **Work Order #...:** G932V1AM **Matrix.....:** WATER
Date Sampled...: 05/06/05 **Date Received..:** 05/07/05 **MS Run #.....:**
Prep Date.....: 05/09/05 **Analysis Date..:** 05/17/05
Prep Batch #...: 5129236 **Analysis Time..:** 15:27
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.050	ug/L
beta-BHC	ND	0.050	ug/L
delta-BHC	ND	0.050	ug/L
gamma-BHC (Lindane)	ND	0.050	ug/L
Heptachlor	ND	0.050	ug/L
Aldrin	ND	0.050	ug/L
Heptachlor epoxide	ND	0.050	ug/L
Endosulfan I	ND	0.050	ug/L
Dieldrin	ND	0.050	ug/L
4,4'-DDE	ND	0.050	ug/L
Endrin	ND	0.050	ug/L
Endrin ketone	ND	0.050	ug/L
Endrin aldehyde	ND	0.050	ug/L
Endosulfan II	ND	0.050	ug/L
4,4'-DDD	ND	0.050	ug/L
Endosulfan sulfate	ND	0.050	ug/L
4,4'-DDT	ND	0.050	ug/L
Methoxychlor	ND	0.10	ug/L
alpha-Chlordane	ND	0.050	ug/L
gamma-Chlordane	ND	0.050	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(39 - 130)
Decachlorobiphenyl	90	(10 - 147)

Tetra Tech NUS, Inc

Client Sample ID: RB-050605

GC Semivolatiles

Lot-Sample #...:	C5E070137-008	**Work Order #...:**	G932V1AN	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	
Prep Date.....:	05/09/05	**Analysis Date..:**	05/24/05		
Prep Batch #...:	5129239	**Analysis Time..:**	00:56		
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	10 mL
Analyst ID.....:	402360	**Instrument ID..:**	S/T		
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.49
Aroclor 1221	ND	1.0	ug/L	0.45
Aroclor 1232	ND	1.0	ug/L	0.53
Aroclor 1242	ND	1.0	ug/L	0.25
Aroclor 1248	ND	1.0	ug/L	0.34
Aroclor 1254	ND	1.0	ug/L	0.35
Aroclor 1260	ND	1.0	ug/L	0.58

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(45 - 120)
Decachlorobiphenyl	81	(24 - 128)

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932V **Client ID:** RB-050605

Matrix: Water **Units:** ug/L **Prep Date:** 5/20/2005 **Prep Batch:** 5140149

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**14.5**	**200**	**25.1**	**B**	**1**	**ICPST**	**5/23/2005**	**14:27**
Antimony	206.84	2.6	10.0	2.6	U	1	ICPST	5/23/2005	14:27
Arsenic	189.04	2.0	10.0	2.0	U	1	ICPST	5/23/2005	14:27
Barium	493.41	0.16	200	0.16	U	1	ICPST	5/23/2005	14:27
Beryllium	**313.04**	**0.12**	**5.0**	**0.69**	**B**	**1**	**ICPST**	**5/23/2005**	**14:27**
Cadmium	226.50	0.22	5.0	0.22	U	1	ICPST	5/23/2005	14:27
Calcium	317.93	26.8	5000	26.8	U	1	ICPST	5/23/2005	14:27
Chromium	267.72	0.40	5.0	0.40	U	1	ICPST	5/23/2005	14:27
Cobalt	228.62	0.42	50.0	0.42	U	1	ICPST	5/23/2005	14:27
Copper	324.75	0.92	25.0	0.92	U	1	ICPST	5/23/2005	14:27
Iron	271.44	16.0	100	16.0	U	1	ICPST	5/23/2005	14:27
Lead	220.35	1.7	3.0	1.7	U	1	ICPST	5/23/2005	14:27
Magnesium	279.08	15.5	5000	15.5	U	1	ICPST	5/23/2005	14:27
Manganese	257.61	1.1	15.0	1.1	U	1	ICPST	5/23/2005	14:27
Nickel	231.60	0.55	40.0	0.55	U	1	ICPST	5/23/2005	14:27
Potassium	**766.49**	**4.8**	**5000**	**110**	**B**	**1**	**ICPST**	**5/23/2005**	**14:27**
Selenium	**220.35**	**1.7**	**5.0**	**1.8**	**B**	**1**	**ICPST**	**5/23/2005**	**14:27**
Silver	**328.07**	**0.40**	**5.0**	**0.48**	**B**	**1**	**ICPST**	**5/23/2005**	**14:27**
Sodium	330.23	105	5000	105	U	1	ICPST	5/23/2005	14:27
Thallium	190.86	2.2	10.0	2.2	U	1	ICPST	5/23/2005	14:27
Vanadium	292.40	0.39	50.0	0.39	U	1	ICPST	5/23/2005	14:27
Zinc	**206.2**	**1.0**	**20.0**	**1.3**	**B**	**1**	**ICPST**	**5/23/2005**	**14:27**

Comments: Lot #: C5E070137 Sample #: 8

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: G932V **Client ID:** RB-050605

Matrix: Water **Units:** ug/L **Prep Date:** 5/18/2005 **Prep Batch:** 5138130

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.017	0.20	0.028	B	1	CVAA	5/18/2005	16:36

Comments: Lot #: C5E070137 Sample #: 8

.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form I Equivalent

Tetra Tech NUS, Inc

Client Sample ID: TB

GC/MS Volatiles

Lot-Sample #...:	C5E050136-001	**Work Order #...:**	G9V911AA	**Matrix.....:**	WATER
Date Sampled...:	05/04/05	**Date Received..:**	05/05/05	**MS Run #.....:**	5136229
Prep Date.....:	05/16/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5136401	**Analysis Time..:**	16:10		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	034635	**Instrument ID..:**	HP4		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/L	5.0
Benzene	ND	5.0	ug/L	1.3
Bromodichloromethane	ND	5.0	ug/L	0.78
Bromoform	ND	5.0	ug/L	2.2
Bromomethane	ND	5.0	ug/L	1.4
2-Butanone	ND	5.0	ug/L	2.3
Carbon disulfide	ND	5.0	ug/L	0.90
Carbon tetrachloride	ND	5.0	ug/L	0.58
Chlorobenzene	ND	5.0	ug/L	0.42
Chloroethane	ND	5.0	ug/L	3.7
Chloroform	ND	5.0	ug/L	0.73
Chloromethane	ND	5.0	ug/L	1.0
Cyclohexane	ND	5.0	ug/L	2.7
Dibromochloromethane	ND	5.0	ug/L	1.9
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	2.5
1,2-Dibromoethane	ND	5.0	ug/L	0.37
1,3-Dichlorobenzene	ND	5.0	ug/L	0.43
1,4-Dichlorobenzene	ND	5.0	ug/L	1.0
1,2-Dichlorobenzene	ND	5.0	ug/L	0.53
Dichlorodifluoromethane	ND	5.0	ug/L	1.6
1,1-Dichloroethane	ND	5.0	ug/L	0.86
1,2-Dichloroethane	ND	5.0	ug/L	0.56
1,1-Dichloroethene	ND	5.0	ug/L	1.2
cis-1,2-Dichloroethene	ND	5.0	ug/L	1.2
trans-1,2-Dichloroethene	ND	5.0	ug/L	1.2
1,2-Dichloropropane	ND	5.0	ug/L	1.3
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.95
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.28
Ethylbenzene	ND	5.0	ug/L	1.7
2-Hexanone	ND	5.0	ug/L	0.71
Isopropylbenzene	ND	5.0	ug/L	2.6
Methyl acetate	ND	5.0	ug/L	1.3
Methylene chloride	ND	5.0	ug/L	1.1
Methylcyclohexane	ND	5.0	ug/L	2.6
4-Methyl-2-pentanone	ND	5.0	ug/L	1.4
Methyl tert-butyl ether	ND	5.0	ug/L	0.68

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: TB

GC/MS Volatiles

Lot-Sample #...: C5E050136-001 **Work Order #...:** G9V911AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.0	ug/L	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.7
1,2,4-Trichloro-benzene	ND	5.0	ug/L	0.69
Tetrachloroethene	ND	5.0	ug/L	0.66
1,1,1-Trichloroethane	ND	5.0	ug/L	1.0
1,1,2-Trichloroethane	ND	5.0	ug/L	0.57
Trichloroethene	ND	5.0	ug/L	1.3
Trichlorofluoromethane	ND	5.0	ug/L	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	1.3
Toluene	ND	5.0	ug/L	0.61
Vinyl chloride	ND	5.0	ug/L	1.1
Xylenes (total)	ND	15	ug/L	5.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(77 - 120)
Toluene-d8	103	(78 - 111)
4-Bromofluorobenzene	89	(80 - 114)
Dibromofluoromethane	93	(78 - 110)

Tetra Tech NUS, Inc

Client Sample ID: TB

GC/MS Volatiles

Lot-Sample #...:	C5E060132-001	**Work Order #...:**	G905A1AA	**Matrix.....:**	WATER
Date Sampled...:	05/05/05	**Date Received..:**	05/06/05	**MS Run #.....:**	5136229
Prep Date.....:	05/16/05	**Analysis Date..:**	05/16/05		
Prep Batch #...:	5136401	**Analysis Time..:**	15:41		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	034635	**Instrument ID..:**	HP4		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/L	5.0
Benzene	ND	5.0	ug/L	1.3
Bromodichloromethane	ND	5.0	ug/L	0.78
Bromoform	ND	5.0	ug/L	2.2
Bromomethane	ND	5.0	ug/L	1.4
2-Butanone	ND	5.0	ug/L	2.3
Carbon disulfide	ND	5.0	ug/L	0.90
Carbon tetrachloride	ND	5.0	ug/L	0.58
Chlorobenzene	ND	5.0	ug/L	0.42
Chloroethane	ND	5.0	ug/L	3.7
Chloroform	ND	5.0	ug/L	0.73
Chloromethane	ND	5.0	ug/L	1.0
Cyclohexane	ND	5.0	ug/L	2.7
Dibromochloromethane	ND	5.0	ug/L	1.9
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	2.5
1,2-Dibromoethane	ND	5.0	ug/L	0.37
1,3-Dichlorobenzene	ND	5.0	ug/L	0.43
1,4-Dichlorobenzene	ND	5.0	ug/L	1.0
1,2-Dichlorobenzene	ND	5.0	ug/L	0.53
Dichlorodifluoromethane	ND	5.0	ug/L	1.6
1,1-Dichloroethane	ND	5.0	ug/L	0.86
1,2-Dichloroethane	ND	5.0	ug/L	0.56
1,1-Dichloroethene	ND	5.0	ug/L	1.2
cis-1,2-Dichloroethene	ND	5.0	ug/L	1.2
trans-1,2-Dichloroethene	ND	5.0	ug/L	1.2
1,2-Dichloropropane	ND	5.0	ug/L	1.3
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.95
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.28
Ethylbenzene	ND	5.0	ug/L	1.7
2-Hexanone	ND	5.0	ug/L	0.71
Isopropylbenzene	ND	5.0	ug/L	2.6
Methyl acetate	ND	5.0	ug/L	1.3
Methylene chloride	ND	5.0	ug/L	1.1
Methylcyclohexane	ND	5.0	ug/L	2.6
4-Methyl-2-pentanone	ND	5.0	ug/L	1.4
Methyl tert-butyl ether	ND	5.0	ug/L	0.68

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: TB

GC/MS Volatiles

Lot-Sample #...: C5E060132-001 **Work Order #...:** G905A1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.0	ug/L	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.7
1,2,4-Trichloro-benzene	ND	5.0	ug/L	0.69
Tetrachloroethene	ND	5.0	ug/L	0.66
1,1,1-Trichloroethane	ND	5.0	ug/L	1.0
1,1,2-Trichloroethane	ND	5.0	ug/L	0.57
Trichloroethene	ND	5.0	ug/L	1.3
Trichlorofluoromethane	ND	5.0	ug/L	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	1.3
Toluene	ND	5.0	ug/L	0.61
Vinyl chloride	ND	5.0	ug/L	1.1
Xylenes (total)	ND	15	ug/L	5.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	96	(77 - 120)
Toluene-d8	102	(78 - 111)
4-Bromofluorobenzene	91	(80 - 114)
Dibromofluoromethane	94	(78 - 110)

Tetra Tech NUS, Inc

Client Sample ID: TB

GC/MS Volatiles

Lot-Sample #...:	C5E070137-001	**Work Order #...:**	G931V1AA	**Matrix.....:**	WATER
Date Sampled...:	05/06/05	**Date Received..:**	05/07/05	**MS Run #.....:**	5134045
Prep Date.....:	05/14/05	**Analysis Date..:**	05/14/05		
Prep Batch #...:	5134062	**Analysis Time..:**	16:28		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	001562	**Instrument ID..:**	HP5		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/L	5.0
Benzene	ND	5.0	ug/L	1.3
Bromodichloromethane	ND	5.0	ug/L	0.78
Bromoform	ND	5.0	ug/L	2.2
Bromomethane	ND	5.0	ug/L	1.4
2-Butanone	ND	5.0	ug/L	2.3
Carbon disulfide	ND	5.0	ug/L	0.90
Carbon tetrachloride	ND	5.0	ug/L	0.58
Chlorobenzene	ND	5.0	ug/L	0.42
Chloroethane	ND	5.0	ug/L	3.7
Chloroform	ND	5.0	ug/L	0.73
Chloromethane	ND	5.0	ug/L	1.0
Cyclohexane	ND	5.0	ug/L	2.7
Dibromochloromethane	ND	5.0	ug/L	1.9
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	2.5
1,2-Dibromoethane	ND	5.0	ug/L	0.37
1,3-Dichlorobenzene	ND	5.0	ug/L	0.43
1,4-Dichlorobenzene	ND	5.0	ug/L	1.0
1,2-Dichlorobenzene	ND	5.0	ug/L	0.53
Dichlorodifluoromethane	ND	5.0	ug/L	1.6
1,1-Dichloroethane	ND	5.0	ug/L	0.86
1,2-Dichloroethane	ND	5.0	ug/L	0.56
1,1-Dichloroethene	ND	5.0	ug/L	1.2
cis-1,2-Dichloroethene	ND	5.0	ug/L	1.2
trans-1,2-Dichloroethene	ND	5.0	ug/L	1.2
1,2-Dichloropropane	ND	5.0	ug/L	1.3
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.95
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.28
Ethylbenzene	ND	5.0	ug/L	1.7
2-Hexanone	ND	5.0	ug/L	0.71
Isopropylbenzene	ND	5.0	ug/L	2.6
Methyl acetate	ND	5.0	ug/L	1.3
Methylene chloride	ND	5.0	ug/L	1.1
Methylcyclohexane	ND	5.0	ug/L	2.6
4-Methyl-2-pentanone	ND	5.0	ug/L	1.4
Methyl tert-butyl ether	ND	5.0	ug/L	0.68

(Continued on next page)

Tetra Tech NUS, Inc

Client Sample ID: TB

GC/MS Volatiles

Lot-Sample #...: C5E070137-001 **Work Order #...:** G931V1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.0	ug/L	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.7
1,2,4-Trichloro-benzene	ND	5.0	ug/L	0.69
Tetrachloroethene	ND	5.0	ug/L	0.66
1,1,1-Trichloroethane	ND	5.0	ug/L	1.0
1,1,2-Trichloroethane	ND	5.0	ug/L	0.57
Trichloroethene	ND	5.0	ug/L	1.3
Trichlorofluoromethane	ND	5.0	ug/L	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	1.3
Toluene	ND	5.0	ug/L	0.61
Vinyl chloride	ND	5.0	ug/L	1.1
Xylenes (total)	ND	15	ug/L	5.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	94	(77 - 120)
Toluene-d8	98	(78 - 111)
4-Bromofluorobenzene	91	(80 - 114)
Dibromofluoromethane	100	(78 - 110)

APPENDIX D

DATA VALIDATION LETTERS/VALIDATED DATA

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**D. BRAYACK**	**DATE:**	**JULY 13, 2005**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOCs, PAHs, PESTICIDES, PCBs, DRO & GRO**
CTO 004 NWIRP CALVERTON, NY
SAMPLE DELIVERY GROUP (SDG) – C5E070137

SAMPLES: 5/Soil/

DUP-050605-03	FT-SB-209-0305	FT-SB-224-0305
FT-SB-225-0305	FT-SB-226-0305	

3/Aqueous/

FB-050505	RB-050605	TB-050605

Overview

The sample set for CTO 004, NWIRP Calverton, SDG C5E070137, consists of five (5) soil environmental samples and one (3) aqueous quality control blanks. One (1) field duplicate pair (DUP-050605-03 / FT-SB-224-0305) is included within this SDG.

All samples, with the exception of the trip blank sample, TB-050605, were analyzed for target compound list (TCL) volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), pesticides, polychlorinated biphenyls (PCBs), diesel range organics (DRO) and gasoline range organics (GRO). The trip blank sample was analyzed for VOCs only. The samples were collected by Tetra Tech NUS on May 5 and 6, 2005 and analyzed by Severn Trent Laboratories – Pittsburgh under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. VOC, PAH, pesticide and PCB analyses were conducted using SW-846 methods 8260B, 8310, 8081A and 8082, respectively. DRO and GRO analyses were conducted using SW-846 method 8015B.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
• Initial and Continuing Calibration Results
• Laboratory Method and Field Quality Control Blank Results
* • Field Duplicate Results
* • Detection Limits

* - All quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix D. Regional Worksheets are presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

VOCs

The continuing calibration RRFs on 5/18/05 at 06:26 for acetone and 2-butanone were < 0.05, affecting all of the soil samples. The nondetected results reported for these analytes in these samples were qualified as unusable, "UR".

Positive results reported below the reporting limit (RL) but above the method detection limit (MDL) were qualified as estimated, "J".

Although acetone and methylene chloride were not detected in the laboratory method blanks, the positive results reported for these analytes were qualified as estimated, "J", because they are suspected laboratory contaminants.

1,2,4-Trichlorobenzene was present in laboratory method blank from preparation batch 5134062 at a concentration of 1.5 µg/L. No validation action was necessary because all samples associated with this method blank were field blanks.

The matrix spike (MS) and matrix spike duplicate (MSD) were not preformed on a sample of interest from within this SDG. No validation action was necessary.

PAHs

Positive results reported below the reporting limit (RL) but above the method detection limit (MDL) were qualified as estimated, "J".

Naphthalene and acenaphthylene were present in laboratory method blank from preparation batch 5129248 at concentrations of 0.59 µg/L and 0.14 µg/L, respectively. No validation action was necessary because all samples associated with this method blank were field blanks.

The MSD percent recovery (27%) for indeno(1,2,3-cd)pyrene in sample FT-SB-225-0305 was < the 35-141% quality control limits. No validation action was taken because the noncompliance was not of a gross nature.

The RPDs for benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene in the field duplicate pair were > 50% quality control limit. No validation action was taken because all results were less than the RL and the differences were less than two times the RL.

The surrogate percent recoveries for terphenyl-D14 and benzo(e)pyrene were < 54-126% and 49-129% quality control limits, respectively, in sample FT-SB-209-0305. No validation action was required because the noncompliances were not of a gross nature.

The surrogate percent recoveries for terphenyl-D14 were < 54-126% quality control limits in sample FT-SB-225-0305. No validation action was required because the noncompliances were not of a gross nature.

The surrogate percent recovery for benzo(e)pyrene was > 49-129% quality control limits in sample FT-SB-226-0305. No validation action was required because the noncompliance was not of a gross nature.

The surrogate percent recoveries for terphenyl-D14 were both 0% in sample FT-SB-226-0305. No validation action was required because the results were reported from a 5X dilution and the surrogates were diluted out.

Pesticides

The percent differences between columns RTX-50 and RTX-1701 for Endosulfan I, Endosulfan II and 4,4'-DDT were greater than 100% in sample DUP-050605-03. The positive results reported for these compounds in this sample were qualified as unusable, "R".

The percent differences between columns RTX-50 and RTX-1701 for endrin and 4,4'-DDE were greater than 100% in sample FT-SB-209-0305. The positive results reported for these compounds in this sample were qualified as unusable, "R".

The percent difference between columns RTX-50 and RTX-1701 for 4,4'-DDT was greater than 100% in sample FT-SB-224-0305. The positive result reported for 4,4'-DDT in this sample was qualified as unusable, "R".

The percent differences between columns RTX-50 and RTX-1701 for beta-BHC, delta-BHC, Endosulfan I, dieldrin, endrin aldehyde, alpha-chlordane, gamma-chlordane and 4,4'-DDD were greater than 100% in sample FT-SB-225-0305. The positive results reported for these compounds in this sample were qualified as unusable, "R".

The percent differences between columns RTX-50 and RTX-1701 for endrin and gamma-chlordane were greater than 100% in sample FT-SB-226-0305. The positive results reported for these compounds in this sample were qualified as unusable, "R".

Positive results reported below the reporting limit (RL) but above the method detection limit (MDL) were qualified as estimated, "J".

The MS and MSD were not preformed on a sample of interest from within this SDG. No validation action was necessary.

PCBs

No qualifications were made to this fraction.

The MS and MSD were not preformed on a sample of interest from within this SDG. No validation action was necessary.

A positive result was reported for Aroclor 1260 in sample FT-SB-225-0305. STL does not perform dual column analyses for PCBs.

DRO

The following compound was detected in the laboratory method blanks at the following maximum concentrations:

Compound	Maximum Concentration	Blank Action Level
DRO[1]	3.3 mg/kg	16.5 mg/kg
DRO[2]	0.81 mg/kg	4.05 mg/kg

[1] Maximum concentration present in a laboratory method blank affecting all soil samples except DUP-050605-03.
[2] Maximum concentration present in a laboratory method blank affecting sample DUP-050605-03.

An action level of 5X the maximum concentration was used to evaluate the sample data for laboratory blank contamination. Sample aliquot, percent solids and dilution factors were taken into

consideration when applying the blank action levels. Positive results, less than the blank action levels reported for DRO were qualified "U" as a result of laboratory blank contamination.

Positive results reported below the reporting limit (RL) but above the method detection limit (MDL) were qualified as estimated, "J".

Sample FT-SB-225-0305 was diluted 50X for DRO.

Sample FT-SB-226-0305 was diluted 2X for DRO.

The MS and MSD were not preformed on a sample of interest from within this SDG. No validation action was necessary.

GRO

No qualifications were made to this fraction.

Executive Summary

Laboratory Performance Issues: Several DRO results were qualified due to laboratory method blank contamination. Acetone and 2-butanone were qualified due to calibration noncompliance.

Other Factors Affecting Data Quality: Positive results reported below the reporting limit (RL) but above the method detection limit (MDL) were qualified as estimated. Several pesticides were qualified due to high percent differences between columns. Acetone and methylene chloride were qualified due to suspected laboratory contamination.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", as amended for use within EPA Region II, January 1992 and the NFESC document entitled "Navy IRCDQM" (September 1999).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS
Erin M. Faust
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Regional Worksheets
4. Appendix D - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 1610

SDG: C5E070137 MEDIA: WATER DATA FRACTION: OV

nsample	FB-050505
samp_date	5/6/2005
lab_id	C5E070137007
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	20	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	

nsample	FB-050505
samp_date	5/6/2005
lab_id	C5E070137007
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	RB-050605
samp_date	5/6/2005
lab_id	C5E070137008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	2.7	J	P
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	20	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	

nsample	RB-050605
samp_date	5/6/2005
lab_id	C5E070137008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	TB-050605
samp_date	5/6/2005
lab_id	C5E070137001
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	20	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	

nsample	TB-050605
samp_date	5/6/2005
lab_id	C5E070137001
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_NO: 1610

SDG: C5E070137 MEDIA: WATER DATA FRACTION: PAH

nsample	FB-050505	nsample	RB-050605
samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137007	lab_id	C5E070137008
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	0.96	U	
ACENAPHTHENE	0.96	U	
ACENAPHTHYLENE	0.49	J	P
ANTHRACENE	0.087	J	P
BENZO(A)ANTHRACENE	0.19	U	
BENZO(A)PYRENE	0.19	U	
BENZO(B)FLUORANTHENE	0.19	U	
BENZO(G,H,I)PERYLENE	0.19	U	
BENZO(K)FLUORANTHENE	0.19	U	
CHRYSENE	0.19	U	
DIBENZO(A,H)ANTHRACENE	0.19	U	
FLUORANTHENE	0.2		
FLUORENE	0.088	J	P
INDENO(1,2,3-CD)PYRENE	0.19	U	
NAPHTHALENE	0.16	J	P
PHENANTHRENE	0.53		
PYRENE	0.48		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	0.19	J	P
ACENAPHTHENE	0.96	U	
ACENAPHTHYLENE	0.54	J	P
ANTHRACENE	0.19	U	
BENZO(A)ANTHRACENE	0.19	U	
BENZO(A)PYRENE	0.19	U	
BENZO(B)FLUORANTHENE	0.19	U	
BENZO(G,H,I)PERYLENE	0.19	U	
BENZO(K)FLUORANTHENE	0.19	U	
CHRYSENE	0.19	U	
DIBENZO(A,H)ANTHRACENE	0.19	U	
FLUORANTHENE	0.19	U	
FLUORENE	0.031	J	P
INDENO(1,2,3-CD)PYRENE	0.19	U	
NAPHTHALENE	1.6		
PHENANTHRENE	0.092	J	P
PYRENE	0.024	J	P

PROJ_NO 1610

SDG: C5E0701 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	FB-050505	nsample	RB-050605
samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137007	lab_id	C5E070137008
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.048	U	
4,4'-DDE	0.048	U	
4,4'-DDT	0.048	U	
ALDRIN	0.048	U	
ALPHA-BHC	0.048	U	
ALPHA-CHLORDANE	0.048	U	
AROCLOR-1016	0.96	U	
AROCLOR-1221	0.96	U	
AROCLOR-1232	0.96	U	
AROCLOR-1242	0.96	U	
AROCLOR-1248	0.96	U	
AROCLOR-1254	0.96	U	
AROCLOR-1260	0.96	U	
BETA-BHC	0.048	U	
DELTA-BHC	0.048	U	
DIELDRIN	0.048	U	
ENDOSULFAN I	0.048	U	
ENDOSULFAN II	0.048	U	
ENDOSULFAN SULFATE	0.048	U	
ENDRIN	0.048	U	
ENDRIN ALDEHYDE	0.048	U	
ENDRIN KETONE	0.048	U	
GAMMA-BHC (LINDANE)	0.048	U	
GAMMA-CHLORDANE	0.048	U	
HEPTACHLOR	0.048	U	
HEPTACHLOR EPOXIDE	0.048	U	
METHOXYCHLOR	0.096	U	
TOXAPHENE	1.9	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.05	U	
4,4'-DDE	0.05	U	
4,4'-DDT	0.05	U	
ALDRIN	0.05	U	
ALPHA-BHC	0.05	U	
ALPHA-CHLORDANE	0.05	U	
AROCLOR-1016	1	U	
AROCLOR-1221	1	U	
AROCLOR-1232	1	U	
AROCLOR-1242	1	U	
AROCLOR-1248	1	U	
AROCLOR-1254	1	U	
AROCLOR-1260	1	U	
BETA-BHC	0.05	U	
DELTA-BHC	0.05	U	
DIELDRIN	0.05	U	
ENDOSULFAN I	0.05	U	
ENDOSULFAN II	0.05	U	
ENDOSULFAN SULFATE	0.05	U	
ENDRIN	0.05	U	
ENDRIN ALDEHYDE	0.05	U	
ENDRIN KETONE	0.05	U	
GAMMA-BHC (LINDANE)	0.05	U	
GAMMA-CHLORDANE	0.05	U	
HEPTACHLOR	0.05	U	
HEPTACHLOR EPOXIDE	0.05	U	
METHOXYCHLOR	0.1	U	
TOXAPHENE	2	U	

PROJ_NO: 1610

SDG: C5E070137 MEDIA: WATER DATA FRACTION: PET

nsample	FB-050505	nsample	RB-050605
samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137007	lab_id	C5E070137008
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	100	U	
GASOLINE RANGE ORGANICS	100	U	

Parameter	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	20	J	P
GASOLINE RANGE ORGANICS	100	U	

PROJ_N 1610

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: OV

nsample	DUP-050605-03
samp_date	5/6/2005
lab_id	C5E070137006
qc_type	NM
units	UG/KG
Pct_Solids	95.5
DUP_OF:	FT-SB-224-0305

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.5	U	
1,1,2,2-TETRACHLOROETHANE	5.5	U	
1,1,2-TRICHLOROETHANE	5.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.5	U	
1,1-DICHLOROETHANE	5.5	U	
1,1-DICHLOROETHENE	5.5	U	
1,2,4-TRICHLOROBENZENE	5.5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.5	U	
1,2-DIBROMOETHANE	5.5	U	
1,2-DICHLOROBENZENE	5.5	U	
1,2-DICHLOROETHANE	5.5	U	
1,2-DICHLOROPROPANE	5.5	U	
1,3-DICHLOROBENZENE	5.5	U	
1,4-DICHLOROBENZENE	5.5	U	
2-BUTANONE	5.5	UR	C
2-HEXANONE	5.5	U	
4-METHYL-2-PENTANONE	5.5	U	
ACETONE	22	UR	C
BENZENE	5.5	U	
BROMODICHLOROMETHANE	5.5	U	
BROMOFORM	5.5	U	
BROMOMETHANE	5.5	U	
CARBON DISULFIDE	5.5	U	
CARBON TETRACHLORIDE	5.5	U	
CHLOROBENZENE	5.5	U	
CHLORODIBROMOMETHANE	5.5	U	
CHLOROETHANE	5.5	U	
CHLOROFORM	5.5	U	
CHLOROMETHANE	5.5	U	
CIS-1,2-DICHLOROETHENE	5.5	U	
CIS-1,3-DICHLOROPROPENE	5.5	U	
CYCLOHEXANE	5.5	U	

nsample	DUP-050605-03
samp_date	5/6/2005
lab_id	C5E070137006
qc_type	NM
units	UG/KG
Pct_Solids	95.5
DUP_OF:	FT-SB-224-0305

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.5	U	
ETHYLBENZENE	5.5	U	
ISOPROPYLBENZENE	5.5	U	
METHYL ACETATE	5.5	U	
METHYL CYCLOHEXANE	5.5	U	
METHYL TERT-BUTYL ETHER	5.5	U	
METHYLENE CHLORIDE	2.5	J	AP
STYRENE	5.5	U	
TETRACHLOROETHENE	5.5	U	
TOLUENE	5.5	U	
TOTAL XYLENES	16	U	
TRANS-1,2-DICHLOROETHENE	5.5	U	
TRANS-1,3-DICHLOROPROPENE	5.5	U	
TRICHLOROETHENE	5.5	U	
TRICHLOROFLUOROMETHANE	5.5	U	
VINYL CHLORIDE	5.5	U	

nsample	FT-SB-209-0305
samp_date	5/6/2005
lab_id	C5E070137004
qc_type	NM
units	UG/KG
Pct_Solids	94.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	20	UR	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	

PROJ_NO: 1610

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: OV

nsample	FT-SB-209-0305
samp_date	5/6/2005
lab_id	C5E070137004
qc_type	NM
units	UG/KG
Pct_Solids	94.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

nsample	FT-SB-224-0305
samp_date	5/6/2005
lab_id	C5E070137005
qc_type	NM
units	UG/KG
Pct_Solids	95.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.6	U	
1,1,2,2-TETRACHLOROETHANE	5.6	U	
1,1,2-TRICHLOROETHANE	5.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.6	U	
1,1-DICHLOROETHANE	5.6	U	
1,1-DICHLOROETHENE	5.6	U	
1,2,4-TRICHLOROBENZENE	5.6	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.6	U	
1,2-DIBROMOETHANE	5.6	U	
1,2-DICHLOROBENZENE	5.6	U	
1,2-DICHLOROETHANE	5.6	U	
1,2-DICHLOROPROPANE	5.6	U	
1,3-DICHLOROBENZENE	5.6	U	
1,4-DICHLOROBENZENE	5.6	U	
2-BUTANONE	5.6	UR	C
2-HEXANONE	5.6	U	
4-METHYL-2-PENTANONE	5.6	U	
ACETONE	22	UR	C
BENZENE	5.6	U	
BROMODICHLOROMETHANE	5.6	U	
BROMOFORM	5.6	U	
BROMOMETHANE	5.6	U	
CARBON DISULFIDE	5.6	U	
CARBON TETRACHLORIDE	5.6	U	
CHLOROBENZENE	5.6	U	
CHLORODIBROMOMETHANE	5.6	U	
CHLOROETHANE	5.6	U	
CHLOROFORM	5.6	U	
CHLOROMETHANE	5.6	U	
CIS-1,2-DICHLOROETHENE	5.6	U	
CIS-1,3-DICHLOROPROPENE	5.6	U	
CYCLOHEXANE	5.6	U	

nsample	FT-SB-224-0305
samp_date	5/6/2005
lab_id	C5E070137005
qc_type	NM
units	UG/KG
Pct_Solids	95.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.6	U	
ETHYLBENZENE	5.6	U	
ISOPROPYLBENZENE	5.6	U	
METHYL ACETATE	5.6	U	
METHYL CYCLOHEXANE	5.6	U	
METHYL TERT-BUTYL ETHER	5.6	U	
METHYLENE CHLORIDE	5.6	U	
STYRENE	5.6	U	
TETRACHLOROETHENE	5.6	U	
TOLUENE	5.6	U	
TOTAL XYLENES	17	U	
TRANS-1,2-DICHLOROETHENE	5.6	U	
TRANS-1,3-DICHLOROPROPENE	5.6	U	
TRICHLOROETHENE	5.6	U	
TRICHLOROFLUOROMETHANE	5.6	U	
VINYL CHLORIDE	5.6	U	

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: OV

nsample	FT-SB-225-0305	nsample	FT-SB-225-0305	nsample	FT-SB-226-0305
samp_date	5/6/2005	samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137003	lab_id	C5E070137003	lab_id	C5E070137002
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	91.1	Pct_Solids	91.1	Pct_Solids	86.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	4.9	U	
1,1,2,2-TETRACHLOROETHANE	4.9	U	
1,1,2-TRICHLOROETHANE	4.9	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	4.9	U	
1,1-DICHLOROETHANE	4.9	U	
1,1-DICHLOROETHENE	4.9	U	
1,2,4-TRICHLOROBENZENE	4.9	U	
1,2-DIBROMO-3-CHLOROPROPANE	4.9	U	
1,2-DIBROMOETHANE	4.9	U	
1,2-DICHLOROBENZENE	4.9	U	
1,2-DICHLOROETHANE	4.9	U	
1,2-DICHLOROPROPANE	4.9	U	
1,3-DICHLOROBENZENE	4.9	U	
1,4-DICHLOROBENZENE	4.9	U	
2-BUTANONE	4.9	UR	C
2-HEXANONE	4.9	U	
4-METHYL-2-PENTANONE	4.9	U	
ACETONE	20	UR	C
BENZENE	4.9	U	
BROMODICHLOROMETHANE	4.9	U	
BROMOFORM	4.9	U	
BROMOMETHANE	4.9	U	
CARBON DISULFIDE	4.9	U	
CARBON TETRACHLORIDE	4.9	U	
CHLOROBENZENE	4.9	U	
CHLORODIBROMOMETHANE	4.9	U	
CHLOROETHANE	4.9	U	
CHLOROFORM	4.9	U	
CHLOROMETHANE	4.9	U	
CIS-1,2-DICHLOROETHENE	4.9	U	
CIS-1,3-DICHLOROPROPENE	4.9	U	
CYCLOHEXANE	4.9	U	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	4.9	U	
ETHYLBENZENE	4.9	U	
ISOPROPYLBENZENE	4.9	U	
METHYL ACETATE	4.9	U	
METHYL CYCLOHEXANE	4.9	U	
METHYL TERT-BUTYL ETHER	4.9	U	
METHYLENE CHLORIDE	4.9	U	
STYRENE	4.9	U	
TETRACHLOROETHENE	4.9	U	
TOLUENE	4.9	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	4.9	U	
TRANS-1,3-DICHLOROPROPENE	4.9	U	
TRICHLOROETHENE	4.9	U	
TRICHLOROFLUOROMETHANE	4.9	U	
VINYL CHLORIDE	4.9	U	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	11	J	ACP
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	

PROJ_NO: 1610

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: OV

nsample	FT-SB-226-0305
samp_date	5/6/2005
lab_id	C5E070137002
qc_type	NM
units	UG/KG
Pct_Solids	86.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_N 1610

SDG: C5E070 MEDIA: SOIL DATA FRACTION: PAH

nsample	DUP-050605-03	nsample	FT-SB-209-0305	nsample	FT-SB-224-0305
samp_date	5/6/2005	samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137006	lab_id	C5E070137004	lab_id	C5E070137005
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	95.5	Pct_Solids	94.8	Pct_Solids	95.1
DUP_OF:	FT-SB-224-0305	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	35	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	7	U	
BENZO(A)ANTHRACENE	1.4	J	P
BENZO(A)PYRENE	1.6	J	P
BENZO(B)FLUORANTHENE	1.8	J	P
BENZO(G,H,I)PERYLENE	4.2	J	P
BENZO(K)FLUORANTHENE	0.88	J	P
CHRYSENE	2.1	J	P
DIBENZO(A,H)ANTHRACENE	7	U	
FLUORANTHENE	4	J	P
FLUORENE	7	U	
INDENO(1,2,3-CD)PYRENE	2.1	J	P
NAPHTHALENE	35	U	
PHENANTHRENE	3.4	J	P
PYRENE	4.1	J	P

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	4.9	J	P
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	7.1	U	
BENZO(A)ANTHRACENE	7.1	U	
BENZO(A)PYRENE	7.1	U	
BENZO(B)FLUORANTHENE	7.1	U	
BENZO(G,H,I)PERYLENE	7.1	U	
BENZO(K)FLUORANTHENE	7.1	U	
CHRYSENE	7.1	U	
DIBENZO(A,H)ANTHRACENE	7.1	U	
FLUORANTHENE	7.1	U	
FLUORENE	7.1	U	
INDENO(1,2,3-CD)PYRENE	7.1	U	
NAPHTHALENE	35	U	
PHENANTHRENE	3.3	J	P
PYRENE	0.6	J	P

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	35	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	7	U	
BENZO(A)ANTHRACENE	1.2	J	P
BENZO(A)PYRENE	1.5	J	P
BENZO(B)FLUORANTHENE	2.1	J	P
BENZO(G,H,I)PERYLENE	2	J	P
BENZO(K)FLUORANTHENE	1.2	J	P
CHRYSENE	1.3	J	P
DIBENZO(A,H)ANTHRACENE	7	U	
FLUORANTHENE	3.5	J	P
FLUORENE	7	U	
INDENO(1,2,3-CD)PYRENE	1.2	J	P
NAPHTHALENE	35	U	
PHENANTHRENE	4.3	J	P
PYRENE	3.9	J	P

PROJ_NO: 1610

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: PAH

nsample	FT-SB-225-0305	nsample	FT-SB-226-0305
samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137003	lab_id	C5E070137002
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	91.1	Pct_Solids	86.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	53		
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	7.4	U	
BENZO(A)ANTHRACENE	9		
BENZO(A)PYRENE	17		
BENZO(B)FLUORANTHENE	32		
BENZO(G,H,I)PERYLENE	97		
BENZO(K)FLUORANTHENE	11		
CHRYSENE	9.7		
DIBENZO(A,H)ANTHRACENE	15		
FLUORANTHENE	7.4	U	
FLUORENE	7.4	U	
INDENO(1,2,3-CD)PYRENE	45		
NAPHTHALENE	11	J	P
PHENANTHRENE	20		
PYRENE	22		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	190	U	
ACENAPHTHENE	190	U	
ACENAPHTHYLENE	7.9	J	P
ANTHRACENE	71		
BENZO(A)ANTHRACENE	190		
BENZO(A)PYRENE	180		
BENZO(B)FLUORANTHENE	160		
BENZO(G,H,I)PERYLENE	110		
BENZO(K)FLUORANTHENE	110		
CHRYSENE	180		
DIBENZO(A,H)ANTHRACENE	27	J	P
FLUORANTHENE	460		
FLUORENE	53		
INDENO(1,2,3-CD)PYRENE	130		
NAPHTHALENE	190	U	
PHENANTHRENE	380		
PYRENE	490		

PROJ_N 1610

SDG: C5E07 / MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	DUP-050605-03	nsample	FT-SB-209-0305	nsample	FT-SB-224-0305
samp_date	5/6/2005	samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137006	lab_id	C5E070137004	lab_id	C5E070137005
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	95.5	Pct_Solids	94.8	Pct_Solids	95.1
DUP_OF:	FT-SB-224-0305	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.8	U	
4,4'-DDE	0.52	J	P
4,4'-DDT	0.35	R	U
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	0.77	J	P
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	35	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	0.24	J	P
ENDOSULFAN I	0.18	R	U
ENDOSULFAN II	0.28	R	U
ENDOSULFAN SULFATE	0.25	J	P
ENDRIN	0.28	J	P
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	0.71	J	P
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	70	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.8	U	
4,4'-DDE	0.25	R	U
4,4'-DDT	3		
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	0.72	J	P
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	35	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	0.77	J	P
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	0.27	R	U
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	0.92	J	P
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	71	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.8	U	
4,4'-DDE	0.53	J	P
4,4'-DDT	0.56	R	U
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	0.68	J	P
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	35	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	1.8	U	
ENDOSULFAN SULFATE	0.34	J	P
ENDRIN	0.24	J	P
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	0.7	J	P
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	70	U	

PROJ_NO: 1610

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	FT-SB-225-0305	nsample	FT-SB-226-0305
samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137003	lab_id	C5E070137002
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	91.1	Pct_Solids	86.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.38	R	U
4,4'-DDE	1.3	J	P
4,4'-DDT	1.9	U	
ALDRIN	1.9	U	
ALPHA-BHC	1.9	U	
ALPHA-CHLORDANE	0.82	R	U
AROCLOR-1016	36	U	
AROCLOR-1221	36	U	
AROCLOR-1232	36	U	
AROCLOR-1242	36	U	
AROCLOR-1248	36	U	
AROCLOR-1254	36	U	
AROCLOR-1260	46		
BETA-BHC	0.51	R	U
DELTA-BHC	0.21	R	U
DIELDRIN	0.3	R	U
ENDOSULFAN I	0.24	R	U
ENDOSULFAN II	1.9	U	
ENDOSULFAN SULFATE	0.51	J	P
ENDRIN	4		
ENDRIN ALDEHYDE	2	R	U
ENDRIN KETONE	1.9	U	
GAMMA-BHC (LINDANE)	1.9	U	
GAMMA-CHLORDANE	0.95	R	U
HEPTACHLOR	1.9	U	
HEPTACHLOR EPOXIDE	1.9	U	
METHOXYCHLOR	3.6	U	
TOXAPHENE	74	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.73	J	P
4,4'-DDE	2.5		
4,4'-DDT	5.5		
ALDRIN	2	U	
ALPHA-BHC	2	U	
ALPHA-CHLORDANE	2	U	
AROCLOR-1016	38	U	
AROCLOR-1221	38	U	
AROCLOR-1232	38	U	
AROCLOR-1242	38	U	
AROCLOR-1248	38	U	
AROCLOR-1254	38	U	
AROCLOR-1260	38	U	
BETA-BHC	2	U	
DELTA-BHC	2	U	
DIELDRIN	2	U	
ENDOSULFAN I	2	U	
ENDOSULFAN II	2	U	
ENDOSULFAN SULFATE	2	U	
ENDRIN	0.22	R	U
ENDRIN ALDEHYDE	2	U	
ENDRIN KETONE	2	U	
GAMMA-BHC (LINDANE)	2	U	
GAMMA-CHLORDANE	0.76	R	U
HEPTACHLOR	2	U	
HEPTACHLOR EPOXIDE	2	U	
METHOXYCHLOR	3.8	U	
TOXAPHENE	78	U	

PROJ_N(1610

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: PET

nsample	DUP-050605-03	nsample	FT-SB-209-0305	nsample	FT-SB-224-0305
samp_date	5/6/2005	samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137006	lab_id	C5E070137004	lab_id	C5E070137005
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	95.5	Pct_Solids	94.8	Pct_Solids	95.1
DUP_OF:	FT-SB-224-0305	DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	6.4	J	P
GASOLINE RANGE ORGANICS	UG/KG	100	U	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	11	U	A
GASOLINE RANGE ORGANICS	UG/KG	97	U	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	15	U	A
GASOLINE RANGE ORGANICS	UG/KG	100	U	

PROJ_NO: 1610

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-225-0305	nsample	FT-SB-226-0305
samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137003	lab_id	C5E070137002
qc_type	NM	qc_type	NM
Pct_Solids	91.1	Pct_Solids	86.0
DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	1200		
GASOLINE RANGE ORGANICS	UG/KG	94	U	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	46		
GASOLINE RANGE ORGANICS	UG/KG	100	U	

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**D. BRAYACK**	**DATE:**	**JULY 11, 2005**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOC /PAH / PEST / PCB / DRO / GRO**
CTO 004 NWIRP CALVERTON
SDG C5E060132

SAMPLES: 1/Aqueous

TB-050505

6/Soil

FT-SB-210-0406	FT-SB-211-0305	FT-SB-213-0305
FT-SB-215-0305	FT-SB-219-0507	FT-SB-221-0406

OVERVIEW

The sample set for NWIRP Calverton, SDG C5E060132 consists of six (6) environmental soil samples and one (1) trip blank. All samples were analyzed for organochloride pesticides (PEST), polynuclear aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), diesel range organics (DRO), and gasoline range organic (GRO). Samples FT-SB-211-0305, FT-SB-213-0305, FT-SB-215-0305, and TB were analyzed for volatile organic compounds (VOC).

The samples were collected by Tetra Tech NUS on May 5, 2005 and analyzed by Severn Trent Laboratories (Pittsburgh and North Canton). All analyses were conducted in accordance with SW-846 Method 8260B, 8081A, 8310, 8082, and 8015 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • GCMS System Tuning and Performance
• Initial/continuing calibrations
• Laboratory method and field blank results
* • Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Qualified analytical results are presented in Appendix A, results as reported by the laboratory are presented in Appendix B, Region II data validation forms are presented in Appendix C, and documentation supporting these findings is presented in Appendix D.

Volatile

An initial calibration analyzed on instrument hp4, on 4/17/05 had a percent relative standard deviation (%RSD) that exceeded the 30% quality control limit for trichlorofluoromethane. No action was taken on this basis because the %RSD was less than 90%.

A continuing calibration verification analyzed on instrument hp4, on 5/16/05 @07:50 had percent differences

(%Ds) that exceeded the 25% quality control limit for trichlorofluoromethane, acetone, 2-butanone, methyl cyclohexane, 2-hexanone, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene. No action was taken on this basis because the %RSD was less than 90%.

Pesticide

The percent difference between columns exceeded 100% for the following compounds:

Sample	Compound	%D
FT-SB-210-0406	Endrin	141.2%
	4,4'-DDD	999.9%
	Endrin Aldehyde	351.5%
	gamma-Chlordane	415.4%
FT-SB-221-0406	Endrin	120.9%
	4,4'-DDD	199.2%
FT-SB-219-0507	Endrin	188.9%
	alpha-Chlordane	110.1%
FT-SB-211-0305	Endosulfan sulfate	537.2%
FT-SB-213-0305	4,4'-DDD	161.9%

Postive results for the aforementioned compounds were qualified as rejected, (R).

PCB

No qualification of the data was necessary.

PAH

Three out of four surrogate recoveries for samples FT-SB-213-03 and FT-SB-211-03 were outside of criteria. The samples were analyzed at a 3X dilution due to concentrations greater than the calibration curve. No action was taken on this basis because the recoveries were greater than 10%.

The matrix spike / matrix spike duplicate performed on sample FT-SB-213-0305 had percent recoveries greater than the quality control limits for five out of six compounds. The sample was analyzed at a 3X dilution due to concentrations greater than the calibration curve. No action was taken on this basis because of the high concentrations in the native sample.

DRO

The method blank had a detection for diesel range organics of 3.3 mg/kg. Using an action limit 5X the method blank concentration (16.5 mg/kg) the DRO results for samples FT-SB-215-0305 and FT-SB-221-0406 were qualified (U) and the detection limit was raised to the laboratory reporting limit.

GRO

Sample FT-SB-211-0305 was re-analyzed because of ending continuing calibration non-complicances. The re-analysis occurred outside of the hold time. The original analysis is considered the valid analysis. No qualification action was taken on this basis.

Sample FT-SB-211-0305 was analyzed as a medium level due to high concentrations of GRO.

Additional Comments

Positive results below the Reporting Limit (RL) were qualified as estimated, J, due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Calibration verification non-compliances in the volatile and GRO fractions. DRO was detected in the laboratory method blank resulting in qualification of the data.

Other Factors Affecting Data Quality: Percent differences between columns of greater than 100% resulted in rejection of several results. The PAH fraction had surrogate and MS/MSD non-compliances.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99),USEPA Region II Standard Operating Procedures for the Validation of Organic Data (January 1992), and the NFESC guidelines "Navy IRCDQM" (September 1999).

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the Quality Assurance Project Plan (QAPP)."

TetraTech NUS
Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C – Region II Validation Forms
4. Appendix D - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 1610

SDG: C5E060132 MEDIA: WATER DATA FRACTION: OV

nsample	TB-050505
samp_date	5/5/2005
lab_id	C5E060132001
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	20	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	

nsample	TB-050505
samp_date	5/5/2005
lab_id	C5E060132001
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_I 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: OV

nsample	FT-SB-211-0305
samp_date	5/5/2005
lab_id	C5E060132005
qc_type	NM
units	UG/KG
Pct_Solids	77.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2,4-TRICHLOROBENZENE	6.1	U	
1,2-DIBROMO-3-CHLOROPROPANE	6.1	U	
1,2-DIBROMOETHANE	6.1	U	
1,2-DICHLOROBENZENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
1,3-DICHLOROBENZENE	6.1	U	
1,4-DICHLOROBENZENE	6.1	U	
2-BUTANONE	8.8		
2-HEXANONE	6.1	U	
4-METHYL-2-PENTANONE	6.1	U	
ACETONE	25		
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
CYCLOHEXANE	6.1	U	

nsample	FT-SB-211-0305
samp_date	5/5/2005
lab_id	C5E060132005
qc_type	NM
units	UG/KG
Pct_Solids	77.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	6.1	U	
ETHYLBENZENE	11		
ISOPROPYLBENZENE	7.2		
METHYL ACETATE	6.1	U	
METHYL CYCLOHEXANE	7.5		
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	6.1	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	0.99	J	P
TOTAL XYLENES	98		
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
TRICHLOROFLUOROMETHANE	6.1	U	
VINYL CHLORIDE	6.1	U	

nsample	FT-SB-213-0305
samp_date	5/5/2005
lab_id	C5E060132006
qc_type	NM
units	UG/KG
Pct_Solids	95.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.4	U	
1,1,2,2-TETRACHLOROETHANE	5.4	U	
1,1,2-TRICHLOROETHANE	5.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.4	U	
1,1-DICHLOROETHANE	5.4	U	
1,1-DICHLOROETHENE	5.4	U	
1,2,4-TRICHLOROBENZENE	5.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.4	U	
1,2-DIBROMOETHANE	5.4	U	
1,2-DICHLOROBENZENE	5.4	U	
1,2-DICHLOROETHANE	5.4	U	
1,2-DICHLOROPROPANE	5.4	U	
1,3-DICHLOROBENZENE	5.4	U	
1,4-DICHLOROBENZENE	5.4	U	
2-BUTANONE	5.4	U	
2-HEXANONE	5.4	U	
4-METHYL-2-PENTANONE	5.4	U	
ACETONE	22	U	
BENZENE	5.4	U	
BROMODICHLOROMETHANE	5.4	U	
BROMOFORM	5.4	U	
BROMOMETHANE	5.4	U	
CARBON DISULFIDE	5.4	U	
CARBON TETRACHLORIDE	5.4	U	
CHLOROBENZENE	5.4	U	
CHLORODIBROMOMETHANE	5.4	U	
CHLOROETHANE	5.4	U	
CHLOROFORM	5.4	U	
CHLOROMETHANE	5.4	U	
CIS-1,2-DICHLOROETHENE	5.4	U	
CIS-1,3-DICHLOROPROPENE	5.4	U	
CYCLOHEXANE	5.4	U	

PROJ_NO: 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: OV

nsample	FT-SB-213-0305
samp_date	5/5/2005
lab_id	C5E060132006
qc_type	NM
units	UG/KG
Pct_Solids	95.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.4	U	
ETHYLBENZENE	5.4	U	
ISOPROPYLBENZENE	5.4	U	
METHYL ACETATE	5.4	U	
METHYL CYCLOHEXANE	5.4	U	
METHYL TERT-BUTYL ETHER	5.4	U	
METHYLENE CHLORIDE	5.4	U	
STYRENE	5.4	U	
TETRACHLOROETHENE	5.4	U	
TOLUENE	5.4	U	
TOTAL XYLENES	16	U	
TRANS-1,2-DICHLOROETHENE	5.4	U	
TRANS-1,3-DICHLOROPROPENE	5.4	U	
TRICHLOROETHENE	5.4	U	
TRICHLOROFLUOROMETHANE	5.4	U	
VINYL CHLORIDE	5.4	U	

nsample	FT-SB-215-0305
samp_date	5/5/2005
lab_id	C5E060132007
qc_type	NM
units	UG/KG
Pct_Solids	96.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.2	U	
1,1,2,2-TETRACHLOROETHANE	5.2	U	
1,1,2-TRICHLOROETHANE	5.2	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.2	U	
1,1-DICHLOROETHANE	5.2	U	
1,1-DICHLOROETHENE	5.2	U	
1,2,4-TRICHLOROBENZENE	5.2	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.2	U	
1,2-DIBROMOETHANE	5.2	U	
1,2-DICHLOROBENZENE	5.2	U	
1,2-DICHLOROETHANE	5.2	U	
1,2-DICHLOROPROPANE	5.2	U	
1,3-DICHLOROBENZENE	5.2	U	
1,4-DICHLOROBENZENE	5.2	U	
2-BUTANONE	5.2	U	
2-HEXANONE	5.2	U	
4-METHYL-2-PENTANONE	5.2	U	
ACETONE	21	U	
BENZENE	5.2	U	
BROMODICHLOROMETHANE	5.2	U	
BROMOFORM	5.2	U	
BROMOMETHANE	5.2	U	
CARBON DISULFIDE	5.2	U	
CARBON TETRACHLORIDE	5.2	U	
CHLOROBENZENE	5.2	U	
CHLORODIBROMOMETHANE	5.2	U	
CHLOROETHANE	5.2	U	
CHLOROFORM	5.2	U	
CHLOROMETHANE	5.2	U	
CIS-1,2-DICHLOROETHENE	5.2	U	
CIS-1,3-DICHLOROPROPENE	5.2	U	
CYCLOHEXANE	5.2	U	

nsample	FT-SB-215-0305
samp_date	5/5/2005
lab_id	C5E060132007
qc_type	NM
units	UG/KG
Pct_Solids	96.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.2	U	
ETHYLBENZENE	5.2	U	
ISOPROPYLBENZENE	5.2	U	
METHYL ACETATE	5.2	U	
METHYL CYCLOHEXANE	5.2	U	
METHYL TERT-BUTYL ETHER	5.2	U	
METHYLENE CHLORIDE	5.2	U	
STYRENE	5.2	U	
TETRACHLOROETHENE	5.2	U	
TOLUENE	5.2	U	
TOTAL XYLENES	16	U	
TRANS-1,2-DICHLOROETHENE	5.2	U	
TRANS-1,3-DICHLOROPROPENE	5.2	U	
TRICHLOROETHENE	5.2	U	
TRICHLOROFLUOROMETHANE	5.2	U	
VINYL CHLORIDE	5.2	U	

PROJ_N 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	FT-SB-210-0406	nsample	FT-SB-211-0305	nsample	FT-SB-213-0305
samp_date	5/5/2005	samp_date	5/5/2005	samp_date	5/5/2005
lab_id	C5E060132002	lab_id	C5E060132005	lab_id	C5E060132006
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	94.7	Pct_Solids	77.0	Pct_Solids	95.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.48	R	U
4,4'-DDE	1.8	U	
4,4'-DDT	1.8	U	
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	4.9		
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	170		
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	4.4		
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	6.5		
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	4.8	R	U
ENDRIN ALDEHYDE	1.1	R	U
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.6	R	U
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	71	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	2.9		
4,4'-DDE	0.51	J	P
4,4'-DDT	2.8		
ALDRIN	2.2	U	
ALPHA-BHC	2.2	U	
ALPHA-CHLORDANE	3.5		
AROCLOR-1016	43	U	
AROCLOR-1221	43	U	
AROCLOR-1232	43	U	
AROCLOR-1242	43	U	
AROCLOR-1248	43	U	
AROCLOR-1254	43	U	
AROCLOR-1260	43	U	
BETA-BHC	2.2	U	
DELTA-BHC	2.2	U	
DIELDRIN	2.2	U	
ENDOSULFAN I	2.2	U	
ENDOSULFAN II	2.2	U	
ENDOSULFAN SULFATE	0.3	R	U
ENDRIN	0.83	J	P
ENDRIN ALDEHYDE	2.2	U	
ENDRIN KETONE	2.2	U	
GAMMA-BHC (LINDANE)	2.2	U	
GAMMA-CHLORDANE	0.7	J	P
HEPTACHLOR	2.2	U	
HEPTACHLOR EPOXIDE	2.2	U	
METHOXYCHLOR	4.3	U	
TOXAPHENE	88	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.39	R	U
4,4'-DDE	0.39	J	P
4,4'-DDT	2.5		
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	0.69	J	P
AROCLOR-1016	34	U	
AROCLOR-1221	34	U	
AROCLOR-1232	34	U	
AROCLOR-1242	34	U	
AROCLOR-1248	34	U	
AROCLOR-1254	34	U	
AROCLOR-1260	4.8	J	P
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	0.68	J	P
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	0.37	J	P
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	0.46	J	P
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.4	U	
TOXAPHENE	70	U	

PROJ_NO: 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	FT-SB-215-0305
samp_date	5/5/2005
lab_id	C5E060132007
qc_type	NM
units	UG/KG
Pct_Solids	96.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.8	U	
4,4'-DDE	1.8	U	
4,4'-DDT	1.8	U	
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	1.8	U	
AROCLOR-1016	34	U	
AROCLOR-1221	34	U	
AROCLOR-1232	34	U	
AROCLOR-1242	34	U	
AROCLOR-1248	34	U	
AROCLOR-1254	34	U	
AROCLOR-1260	34	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	1.8	U	
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	1.8	U	
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.4	U	
TOXAPHENE	70	U	

nsample	FT-SB-219-0507
samp_date	5/5/2005
lab_id	C5E060132004
qc_type	NM
units	UG/KG
Pct_Solids	93.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.8	U	
4,4'-DDE	1.8	U	
4,4'-DDT	1.6	J	P
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	0.66	R	U
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	28	J	P
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	0.92	J	P
ENDOSULFAN SULFATE	0.82	J	P
ENDRIN	0.49	R	U
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	0.57	J	P
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	72	U	

nsample	FT-SB-221-0406
samp_date	5/5/2005
lab_id	C5E060132003
qc_type	NM
units	UG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.25	R	U
4,4'-DDE	1.8	U	
4,4'-DDT	1.8	U	
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	0.32	J	P
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	35	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	U	
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	0.37	J	P
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	0.24	R	U
ENDRIN ALDEHYDE	0.74	J	P
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	72	U	

PROJ_N 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: PAH

nsample	FT-SB-210-0406	nsample	FT-SB-211-0305	nsample	FT-SB-213-0305
samp_date	5/5/2005	samp_date	5/5/2005	samp_date	5/5/2005
lab_id	C5E060132002	lab_id	C5E060132005	lab_id	C5E060132006
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	94.7	Pct_Solids	77.0	Pct_Solids	95.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	35	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	5.3	J	P
BENZO(A)ANTHRACENE	30		
BENZO(A)PYRENE	27		
BENZO(B)FLUORANTHENE	30		
BENZO(G,H,I)PERYLENE	51		
BENZO(K)FLUORANTHENE	19		
CHRYSENE	30		
DIBENZO(A,H)ANTHRACENE	11		
FLUORANTHENE	63		
FLUORENE	7.1	U	
INDENO(1,2,3-CD)PYRENE	31		
NAPHTHALENE	35	U	
PHENANTHRENE	38		
PYRENE	62		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	130	U	
ACENAPHTHENE	130	U	
ACENAPHTHYLENE	130	U	
ANTHRACENE	26		
BENZO(A)ANTHRACENE	73		
BENZO(A)PYRENE	80		
BENZO(B)FLUORANTHENE	26	U	
BENZO(G,H,I)PERYLENE	120		
BENZO(K)FLUORANTHENE	43		
CHRYSENE	68		
DIBENZO(A,H)ANTHRACENE	19	J	P
FLUORANTHENE	170		
FLUORENE	12	J	P
INDENO(1,2,3-CD)PYRENE	59		
NAPHTHALENE	130	U	
PHENANTHRENE	130		
PYRENE	160		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	100	U	
ACENAPHTHENE	100	U	
ACENAPHTHYLENE	100	U	
ANTHRACENE	12	J	P
BENZO(A)ANTHRACENE	84		
BENZO(A)PYRENE	100		
BENZO(B)FLUORANTHENE	97		
BENZO(G,H,I)PERYLENE	79		
BENZO(K)FLUORANTHENE	62		
CHRYSENE	82		
DIBENZO(A,H)ANTHRACENE	25		
FLUORANTHENE	150		
FLUORENE	9.1	J	P
INDENO(1,2,3-CD)PYRENE	86		
NAPHTHALENE	100	U	
PHENANTHRENE	69		
PYRENE	160		

PROJ_NO: 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: PAH

nsample	FT-SB-215-0305	nsample	FT-SB-219-0507	nsample	FT-SB-221-0406
samp_date	5/5/2005	samp_date	5/5/2005	samp_date	5/5/2005
lab_id	C5E060132007	lab_id	C5E060132004	lab_id	C5E060132003
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	96.0	Pct_Solids	93.6	Pct_Solids	93.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	5.5	J	P
ACENAPHTHENE	34	U	
ACENAPHTHYLENE	34	U	
ANTHRACENE	7	U	
BENZO(A)ANTHRACENE	7	U	
BENZO(A)PYRENE	7	U	
BENZO(B)FLUORANTHENE	7	U	
BENZO(G,H,I)PERYLENE	7	U	
BENZO(K)FLUORANTHENE	7	U	
CHRYSENE	7	U	
DIBENZO(A,H)ANTHRACENE	7	U	
FLUORANTHENE	1.6	J	P
FLUORENE	7	U	
INDENO(1,2,3-CD)PYRENE	7	U	
NAPHTHALENE	34	U	
PHENANTHRENE	5	J	P
PYRENE	1.2	J	P

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	35	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	2.5	J	P
BENZO(A)ANTHRACENE	11		
BENZO(A)PYRENE	15		
BENZO(B)FLUORANTHENE	12		
BENZO(G,H,I)PERYLENE	21		
BENZO(K)FLUORANTHENE	7.4		
CHRYSENE	11		
DIBENZO(A,H)ANTHRACENE	5.9	J	P
FLUORANTHENE	18		
FLUORENE	2.1	J	P
INDENO(1,2,3-CD)PYRENE	19		
NAPHTHALENE	35	U	
PHENANTHRENE	11		
PYRENE	21		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	8	J	P
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	35	U	
ANTHRACENE	7.2	U	
BENZO(A)ANTHRACENE	7.2	U	
BENZO(A)PYRENE	7.2	U	
BENZO(B)FLUORANTHENE	7.2	U	
BENZO(G,H,I)PERYLENE	7.2	U	
BENZO(K)FLUORANTHENE	7.2	U	
CHRYSENE	7.2	U	
DIBENZO(A,H)ANTHRACENE	7.2	U	
FLUORANTHENE	7.2	U	
FLUORENE	7.2	U	
INDENO(1,2,3-CD)PYRENE	7.2	U	
NAPHTHALENE	35	U	
PHENANTHRENE	3.2	J	P
PYRENE	7.2	U	

PROJ_N 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-210-0406
samp_date	5/5/2005
lab_id	C5E060132002
qc_type	NM
Pct_Solids	94.7
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	290		
GASOLINE RANGE ORGANICS	UG/KG	100	U	

nsample	FT-SB-211-0305
samp_date	5/5/2005
lab_id	C5E060132005
qc_type	NM
Pct_Solids	77.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	990		
GASOLINE RANGE ORGANICS	UG/KG	64000		

nsample	FT-SB-213-0305
samp_date	5/5/2005
lab_id	C5E060132006
qc_type	NM
Pct_Solids	95.8
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	21		
GASOLINE RANGE ORGANICS	UG/KG	110	U	

PROJ_NO: 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-215-0305
samp_date	5/5/2005
lab_id	C5E060132007
qc_type	NM
Pct_Solids	96.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	10	U	A
GASOLINE RANGE ORGANICS	UG/KG	100	U	

nsample	FT-SB-219-0507
samp_date	5/5/2005
lab_id	C5E060132004
qc_type	NM
Pct_Solids	93.6
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	32		
GASOLINE RANGE ORGANICS	UG/KG	100	U	

nsample	FT-SB-221-0406
samp_date	5/5/2005
lab_id	C5E060132003
qc_type	NM
Pct_Solids	93.4
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	11	U	A
GASOLINE RANGE ORGANICS	UG/KG	92	U	

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**D. BRAYACK**	**DATE:**	**JULY 11, 2005**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – VOA, PAH, PEST/PCB, TPH**
NWIRP CALVERTON – CTO 004
SAMPLE DELIVERY GROUP (SDG) – C5E050136

SAMPLES: 21/SOIL/

DUP-050405-01	DUP-050405-02	FT-SB-201-0305
FT-SB-201-1012	FT-SB-201-1516	FT-SB-202-0305
FT-SB-202-1112	FT-SB-203-0204	FT-SB-203-0608
FT-SB-203-1516	FT-SB-204-0204	FT-SB-204-0608
FT-SB-204-1416	FT-SB-206-0305	FT-SB-206-0506
FT-SB-206-1416	FT-SB-207-0305	FT-SB-207-1012
FT-SB-207-1416	FT-SB-208-0204	FT-SB-208-1416

1/AQUEOUS/

TB-050405

Overview

The sample set for NWIRP Calverton, CTO 004, SDG C5E050136, consists of twenty-one (21) soil environmental samples and one (1) aqueous rinse blank. Two (2) field duplicate pairs (DUP-050405-01 / FT-SB-202-0305; DUP-050405-02 / FT-SB-204-1416) are included in this SDG.

All samples were analyzed for total petroleum hydrocarbons (TPH), which includes diesel range organics (DRO) and gasoline range organics (GRO). Samples DUP-050405-01, FT-SB-201-0305, FT-SB-202-0305, FT-SB-203-0204, FT-SB-204-0204, and FT-SB-207-0305 were also analyzed for target compound list (TCL) volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), pesticides, and polychlorinated biphenyls (PCBs). Sample TB-050405 was also analyzed for TCL VOCs. The samples were collected by Tetra Tech NUS on May 4, 2005 and analyzed by Severn Trent Laboratories-Pittsburgh. TPH analyses were conducted by Severn Trent Laboratories-North Canton. VOC analyses were conducted using SW-846 method 8260B. PAH analyses were conducted using SW-846 method 8310. Pesticide analyses were conducted using SW-846 method 8081A. PCB analyses were conducted using SW-846 method 8082. TPH analyses were conducted using SW-846 method 8015B.

These data were evaluated based on the following parameters:

* • Data Completeness
- Holding Times
- Initial/Continuing Calibrations
- Laboratory Method/Trip Blank Analyses
- Detection Limits

* - All quality control criteria were met for this parameter.

VOCs

Initial and Continuing Calibration Analyses

The initial calibration standard run on 4/19/05 between 10:09 and 12:03 had an average RRF <0.05 for chloroethane. Nondetected results reported for chloroethane were qualified as rejected (UR).

The continuing calibration standard run on 5/6/05 at 06:45 had %Ds >25% and CCal RRFs <0.05 for acetone and 2-butanone. Positive results reported for these analytes were qualified as estimated (J) and nondetected results reported for these analytes were qualified as rejected (UR) in the associated samples.

Acetone and methylene chloride were qualified as estimated (J) because they are suspected laboratory contaminants.

Detection Limits

Several analytes that had positive results between the practical quantitation limit (PQL) and the method detection limit (MDL) were qualified as estimated (J) due to uncertainty near the detection limit.

PAHs

Holding Times

The 14-day holding time limit from sample collecting to extraction for PAHs was exceeded by 5 days in the re-extracted and re-analyzed sample FT-SB-202-0305 and by one day in the re-extracted and re-analyzed samples FT-SB-201-0305 and DUP-050405-01. Positive and nondetected results reported for PAHs in these samples were qualified as estimated, (J) and (UJ), respectively.

Field Duplicate Imprecision

Field duplicate imprecision (RPD >50%) was noted for anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene for field duplicate pair DUP-050405-01 / FT-SB-202-0305. Positive results reported for these analytes were qualified as estimated (J) in this field duplicate pair only.

Field duplicate imprecision (Difference >2X the reporting limit) was noted for chrysene for field duplicate pair DUP-050405-01 / FT-SB-202-0305. Positive and nondetected results reported for chrysene were qualified as estimated, (J) and (UJ), respectively, in this field duplicate pair only.

Detection Limits

Several analytes that had positive results between the practical quantitation limit (PQL) and the method detection limit (MDL) were qualified as estimated (J) due to uncertainty near the detection limit.

PESTICIDES/PCBs

The percent difference between columns was >100% for the following analytes in the following samples:

Sample	Analyte	%D
FT-SB-201-0305	4,4'-DDD	283.9
	Endrin ketone	999.9
	Gamma-chlordane	587.6
FT-SB-202-0305	Dieldrin	137.8
	Endrin	296.6
	4,4'-DDT	142.6
FT-SB-203-0204	Endosulfan I	115.4
	Dieldrin	402.7
	4,4'-DDD	196.0
	Gamma-chlordane	897.0
DUP-050405-01	4,4'-DDT	300.0
FT-SB-207-0305	Endosulfan I	438.9
	Dieldrin	116.7
	Gamma-chlordane	802.6

Positive results for these analytes were qualified as rejected (R) in these samples.

Detection Limits

Several analytes that had positive results between the practical quantitation limit (PQL) and the method detection limit (MDL) were qualified as estimated (J) due to uncertainty near the detection limit.

TPH

Laboratory Blank Analyses

The following contaminants were detected in the laboratory method blanks at the following maximum concentrations:

Analyte	Maximum Concentration	Action Level
DRO[1]	3.0 mg/kg	15 mg/kg
DRO[2]	3.3 mg/kg	16.5 mg/kg
DRO[3]	0.81 mg/kg	4.05 mg/kg

(1) Maximum concentration present in method blank from batch G96F11AA.
(2) Maximum concentration present in method blank from batch G983P1AA.
(3) Maximum concentration present in method blank from batch HAMKJ1AA.

An action level of 5X the maximum concentration was used to evaluate the sample data for blank contamination. Sample aliquot, percent solids, and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. The positive results less than the action level for DRO were qualified as nondetected (U) as a result of laboratory blank contamination.

Notes

For PAHs, the surrogate recoveries were below the control limits in samples DUP-050405-01, FT-SB-201-0305, and FT-SB-202-0305. These samples were re-analyzed. Although the re-analyses were outside the holding time for sample collection to extraction, the results from the re-analyses were used.

The 1-10 calibration for TPH, SW-846 method 8015B, failed low. The samples analyzed prior to and after this calibration were re-analyzed. The affected samples were DUP-050405-01, DUP-050405-02, FT-SB-201-0305, FT-SB-201-1517, FT-SB-203-0204, FT-SB-206-0506, FT-SB-206-1416, and FT-SB-208-1416.

Dilutions were performed for pesticides and PCBs in several samples due to matrix interference.

The continuing calibration standard run on 4/19/05 at 14:04 had a CCal RRF <0.05 for chloroethane. No qualification action was required because no samples were associated with this standard.

The continuing calibration standard run on 5/6/05 at 06:45 had percent differences (%Ds) >25% for dichlorodifluoromethane, bromomethane, chloroethane, and 2-hexanone. No qualification action was required on this basis.

The initial calibration standard run on 4/17/05 between 08:41 and 11:10 had percent relative standard deviations (%RSDs) >30% for trichlorofluoromethane. No qualification action was required on this basis.

The continuing calibration standard run on 4/17/05 at 13:16 had %Ds >25% for acetone and 2-butanone. No qualification action was required on this basis.

The continuing calibration standard run on 5/16/05 at 07:50 had %Ds >25% for trichlorofluoromethane, 1,1,2-trichlorotrifluoroethane, acetone, 2-butanone, methyl cyclohexane, 2-hexanone, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene. No qualification action was required on this basis.

The continuing calibrations had percent recoveries (%Rs) below the QC limits for GRO. No qualification action was required on this basis.

Executive Summary

Laboratory Performance: PAHs were qualified due to holding time exceedances. Several analytes were qualified due to calibration noncompliances. DRO was present in the laboratory method blanks.

Other Factors Affecting Data Quality: Several analytes were qualified due to uncertainty near the detection limit.

The data for these analyses were reviewed with reference to the Region 2 Standard Operating Procedures (Jan. 1992), Rev. 8, and the EPA Functional Guidelines for Organic Data Validation (Oct. 1999).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS
Ethan G. Lee
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C – Regional Worksheets
4. Appendix D - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: OV

nsample	DUP-050405-01
samp_date	5/4/2005
lab_id	C5E050136021
qc_type	NM
units	UG/KG
Pct_Solids	81.0
DUP_OF:	FT-SB-202-0305

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.3	U	
1,1,2,2-TETRACHLOROETHANE	5.3	U	
1,1,2-TRICHLOROETHANE	5.3	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.3	U	
1,1-DICHLOROETHANE	5.3	U	
1,1-DICHLOROETHENE	5.3	U	
1,2,4-TRICHLOROBENZENE	5.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.3	U	
1,2-DIBROMOETHANE	5.3	U	
1,2-DICHLOROBENZENE	5.3	U	
1,2-DICHLOROETHANE	5.3	U	
1,2-DICHLOROPROPANE	5.3	U	
1,3-DICHLOROBENZENE	5.3	U	
1,4-DICHLOROBENZENE	5.3	U	
2-BUTANONE	5.3	UR	C
2-HEXANONE	5.3	U	
4-METHYL-2-PENTANONE	5.3	U	
ACETONE	21	UR	C
BENZENE	5.3	U	
BROMODICHLOROMETHANE	5.3	U	
BROMOFORM	5.3	U	
BROMOMETHANE	5.3	U	
CARBON DISULFIDE	5.3	U	
CARBON TETRACHLORIDE	5.3	U	
CHLOROBENZENE	5.3	U	
CHLORODIBROMOMETHANE	5.3	U	
CHLOROETHANE	5.3	UR	C
CHLOROFORM	5.3	U	
CHLOROMETHANE	5.3	U	
CIS-1,2-DICHLOROETHENE	5.3	U	
CIS-1,3-DICHLOROPROPENE	5.3	U	
CYCLOHEXANE	5.3	U	

nsample	DUP-050405-01
samp_date	5/4/2005
lab_id	C5E050136021
qc_type	NM
units	UG/KG
Pct_Solids	81.0
DUP_OF:	FT-SB-202-0305

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.3	U	
ETHYLBENZENE	5.3	U	
ISOPROPYLBENZENE	5.3	U	
METHYL ACETATE	5.3	U	
METHYL CYCLOHEXANE	5.3	U	
METHYL TERT-BUTYL ETHER	5.3	U	
METHYLENE CHLORIDE	2.6	J	P
STYRENE	5.3	U	
TETRACHLOROETHENE	5.3	U	
TOLUENE	5.3	U	
TOTAL XYLENES	16	U	
TRANS-1,2-DICHLOROETHENE	5.3	U	
TRANS-1,3-DICHLOROPROPENE	5.3	U	
TRICHLOROETHENE	5.3	U	
TRICHLOROFLUOROMETHANE	5.3	U	
VINYL CHLORIDE	5.3	U	

nsample	FT-SB-201-0305
samp_date	5/4/2005
lab_id	C5E050136002
qc_type	NM
units	UG/KG
Pct_Solids	89.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	4.9	U	
1,1,2,2-TETRACHLOROETHANE	4.9	U	
1,1,2-TRICHLOROETHANE	4.9	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	4.9	U	
1,1-DICHLOROETHANE	0.51	J	P
1,1-DICHLOROETHENE	4.9	U	
1,2,4-TRICHLOROBENZENE	4.9	U	
1,2-DIBROMO-3-CHLOROPROPANE	4.9	U	
1,2-DIBROMOETHANE	4.9	U	
1,2-DICHLOROBENZENE	4.9	U	
1,2-DICHLOROETHANE	4.9	U	
1,2-DICHLOROPROPANE	4.9	U	
1,3-DICHLOROBENZENE	4.9	U	
1,4-DICHLOROBENZENE	4.9	U	
2-BUTANONE	8.3	J	C
2-HEXANONE	4.9	U	
4-METHYL-2-PENTANONE	4.9	U	
ACETONE	38	J	C
BENZENE	4.9	U	
BROMODICHLOROMETHANE	4.9	U	
BROMOFORM	4.9	U	
BROMOMETHANE	4.9	U	
CARBON DISULFIDE	4.9	U	
CARBON TETRACHLORIDE	4.9	U	
CHLOROBENZENE	4.9	U	
CHLORODIBROMOMETHANE	4.9	U	
CHLOROETHANE	4.9	UR	C
CHLOROFORM	4.9	U	
CHLOROMETHANE	4.9	U	
CIS-1,2-DICHLOROETHENE	1	J	P
CIS-1,3-DICHLOROPROPENE	4.9	U	
CYCLOHEXANE	4.9	U	

nsample	FT-SB-201-0305
samp_date	5/4/2005
lab_id	C5E050136002
qc_type	NM
units	UG/KG
Pct_Solids	89.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	4.9	U	
ETHYLBENZENE	9.9		
ISOPROPYLBENZENE	8.7		
METHYL ACETATE	4.9	U	
METHYL CYCLOHEXANE	1.5	J	P
METHYL TERT-BUTYL ETHER	4.9	U	
METHYLENE CHLORIDE	4.9	U	
STYRENE	4.9	U	
TETRACHLOROETHENE	4.9	U	
TOLUENE	36		
TOTAL XYLENES	87		
TRANS-1,2-DICHLOROETHENE	4.9	U	
TRANS-1,3-DICHLOROPROPENE	4.9	U	
TRICHLOROETHENE	0.89	J	P
TRICHLOROFLUOROMETHANE	4.9	U	
VINYL CHLORIDE	4.9	U	

nsample	FT-SB-202-0305
samp_date	5/4/2005
lab_id	C5E050136005
qc_type	NM
units	UG/KG
Pct_Solids	80.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.5	U	
1,1,2,2-TETRACHLOROETHANE	5.5	U	
1,1,2-TRICHLOROETHANE	5.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.5	U	
1,1-DICHLOROETHANE	5.5	U	
1,1-DICHLOROETHENE	5.5	U	
1,2,4-TRICHLOROBENZENE	5.5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.5	U	
1,2-DIBROMOETHANE	5.5	U	
1,2-DICHLOROBENZENE	5.5	U	
1,2-DICHLOROETHANE	5.5	U	
1,2-DICHLOROPROPANE	5.5	U	
1,3-DICHLOROBENZENE	5.5	U	
1,4-DICHLOROBENZENE	5.5	U	
2-BUTANONE	2.3	J	CP
2-HEXANONE	5.5	U	
4-METHYL-2-PENTANONE	5.5	U	
ACETONE	12	J	CP
BENZENE	5.5	U	
BROMODICHLOROMETHANE	5.5	U	
BROMOFORM	5.5	U	
BROMOMETHANE	5.5	U	
CARBON DISULFIDE	5.5	U	
CARBON TETRACHLORIDE	5.5	U	
CHLOROBENZENE	5.5	U	
CHLORODIBROMOMETHANE	5.5	U	
CHLOROETHANE	5.5	UR	C
CHLOROFORM	5.5	U	
CHLOROMETHANE	5.5	U	
CIS-1,2-DICHLOROETHENE	2.5	J	P
CIS-1,3-DICHLOROPROPENE	5.5	U	
CYCLOHEXANE	5.5	U	

nsample	FT-SB-202-0305
samp_date	5/4/2005
lab_id	C5E050136005
qc_type	NM
units	UG/KG
Pct_Solids	80.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.5	U	
ETHYLBENZENE	5.5	U	
ISOPROPYLBENZENE	5.5	U	
METHYL ACETATE	5.5	U	
METHYL CYCLOHEXANE	5.5	U	
METHYL TERT-BUTYL ETHER	5.5	U	
METHYLENE CHLORIDE	5.5	U	
STYRENE	5.5	U	
TETRACHLOROETHENE	5.5	U	
TOLUENE	5.5	U	
TOTAL XYLENES	17	U	
TRANS-1,2-DICHLOROETHENE	5.5	U	
TRANS-1,3-DICHLOROPROPENE	5.5	U	
TRICHLOROETHENE	5.5	U	
TRICHLOROFLUOROMETHANE	5.5	U	
VINYL CHLORIDE	5.5	U	

PROJ_NO: 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: OV

nsample	FT-SB-203-0204
samp_date	5/4/2005
lab_id	C5E050136007
qc_type	NM
units	UG/KG
Pct_Solids	83.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.5	U	
1,1,2,2-TETRACHLOROETHANE	5.5	U	
1,1,2-TRICHLOROETHANE	5.5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.5	U	
1,1-DICHLOROETHANE	1	J	P
1,1-DICHLOROETHENE	5.5	U	
1,2,4-TRICHLOROBENZENE	5.5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.5	U	
1,2-DIBROMOETHANE	5.5	U	
1,2-DICHLOROBENZENE	5.5	U	
1,2-DICHLOROETHANE	5.5	U	
1,2-DICHLOROPROPANE	5.5	U	
1,3-DICHLOROBENZENE	5.5	U	
1,4-DICHLOROBENZENE	5.5	U	
2-BUTANONE	3.1	J	CP
2-HEXANONE	5.5	U	
4-METHYL-2-PENTANONE	5.5	U	
ACETONE	13	J	CP
BENZENE	5.5	U	
BROMODICHLOROMETHANE	5.5	U	
BROMOFORM	5.5	U	
BROMOMETHANE	5.5	U	
CARBON DISULFIDE	5.5	U	
CARBON TETRACHLORIDE	5.5	U	
CHLOROBENZENE	5.5	U	
CHLORODIBROMOMETHANE	5.5	U	
CHLOROETHANE	5.5	UR	C
CHLOROFORM	5.5	U	
CHLOROMETHANE	5.5	U	
CIS-1,2-DICHLOROETHENE	1.1	J	P
CIS-1,3-DICHLOROPROPENE	5.5	U	
CYCLOHEXANE	5.5	U	

nsample	FT-SB-203-0204
samp_date	5/4/2005
lab_id	C5E050136007
qc_type	NM
units	UG/KG
Pct_Solids	83.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.5	U	
ETHYLBENZENE	11		
ISOPROPYLBENZENE	11		
METHYL ACETATE	5.5	U	
METHYL CYCLOHEXANE	8.5		
METHYL TERT-BUTYL ETHER	5.5	U	
METHYLENE CHLORIDE	5.5	U	
STYRENE	5.5	U	
TETRACHLOROETHENE	5.5	U	
TOLUENE	8.6		
TOTAL XYLENES	130		
TRANS-1,2-DICHLOROETHENE	5.5	U	
TRANS-1,3-DICHLOROPROPENE	5.5	U	
TRICHLOROETHENE	5.5	U	
TRICHLOROFLUOROMETHANE	5.5	U	
VINYL CHLORIDE	5.5	U	

nsample	FT-SB-204-0204
samp_date	5/4/2005
lab_id	C5E050136010
qc_type	NM
units	UG/KG
Pct_Solids	93.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.2	U	
1,1,2,2-TETRACHLOROETHANE	5.2	U	
1,1,2-TRICHLOROETHANE	5.2	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.2	U	
1,1-DICHLOROETHANE	5.2	U	
1,1-DICHLOROETHENE	5.2	U	
1,2,4-TRICHLOROBENZENE	5.2	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.2	U	
1,2-DIBROMOETHANE	5.2	U	
1,2-DICHLOROBENZENE	5.2	U	
1,2-DICHLOROETHANE	5.2	U	
1,2-DICHLOROPROPANE	5.2	U	
1,3-DICHLOROBENZENE	5.2	U	
1,4-DICHLOROBENZENE	5.2	U	
2-BUTANONE	5.2	UR	C
2-HEXANONE	5.2	U	
4-METHYL-2-PENTANONE	5.2	U	
ACETONE	21	UR	C
BENZENE	5.2	U	
BROMODICHLOROMETHANE	5.2	U	
BROMOFORM	5.2	U	
BROMOMETHANE	5.2	U	
CARBON DISULFIDE	5.2	U	
CARBON TETRACHLORIDE	5.2	U	
CHLOROBENZENE	5.2	U	
CHLORODIBROMOMETHANE	5.2	U	
CHLOROETHANE	5.2	UR	C
CHLOROFORM	5.2	U	
CHLOROMETHANE	5.2	U	
CIS-1,2-DICHLOROETHENE	5.2	U	
CIS-1,3-DICHLOROPROPENE	5.2	U	
CYCLOHEXANE	5.2	U	

nsample	FT-SB-204-0204
samp_date	5/4/2005
lab_id	C5E050136010
qc_type	NM
units	UG/KG
Pct_Solids	93.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.2	U	
ETHYLBENZENE	5.2	U	
ISOPROPYLBENZENE	5.2	U	
METHYL ACETATE	5.2	U	
METHYL CYCLOHEXANE	5.2	U	
METHYL TERT-BUTYL ETHER	5.2	U	
METHYLENE CHLORIDE	5.2	U	
STYRENE	5.2	U	
TETRACHLOROETHENE	5.2	U	
TOLUENE	5.2	U	
TOTAL XYLENES	16	U	
TRANS-1,2-DICHLOROETHENE	5.2	U	
TRANS-1,3-DICHLOROPROPENE	5.2	U	
TRICHLOROETHENE	5.2	U	
TRICHLOROFLUOROMETHANE	5.2	U	
VINYL CHLORIDE	5.2	U	

nsample	FT-SB-207-0305
samp_date	5/4/2005
lab_id	C5E050136013
qc_type	NM
units	UG/KG
Pct_Solids	80.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.6	U	
1,1,2,2-TETRACHLOROETHANE	5.6	U	
1,1,2-TRICHLOROETHANE	5.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.6	U	
1,1-DICHLOROETHANE	4.8	J	P
1,1-DICHLOROETHENE	5.6	U	
1,2,4-TRICHLOROBENZENE	5.6	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.6	U	
1,2-DIBROMOETHANE	5.6	U	
1,2-DICHLOROBENZENE	5.6	U	
1,2-DICHLOROETHANE	5.6	U	
1,2-DICHLOROPROPANE	5.6	U	
1,3-DICHLOROBENZENE	5.6	U	
1,4-DICHLOROBENZENE	5.6	U	
2-BUTANONE	5.3	J	CP
2-HEXANONE	5.6	U	
4-METHYL-2-PENTANONE	5.6	U	
ACETONE	19	J	CP
BENZENE	0.96	J	P
BROMODICHLOROMETHANE	5.6	U	
BROMOFORM	5.6	U	
BROMOMETHANE	5.6	U	
CARBON DISULFIDE	5.6	U	
CARBON TETRACHLORIDE	5.6	U	
CHLOROBENZENE	5.6	U	
CHLORODIBROMOMETHANE	5.6	U	
CHLOROETHANE	5.6	UR	C
CHLOROFORM	5.6	U	
CHLOROMETHANE	5.6	U	
CIS-1,2-DICHLOROETHENE	10		
CIS-1,3-DICHLOROPROPENE	5.6	U	
CYCLOHEXANE	5.6	U	

nsample	FT-SB-207-0305
samp_date	5/4/2005
lab_id	C5E050136013
qc_type	NM
units	UG/KG
Pct_Solids	80.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.6	U	
ETHYLBENZENE	25		
ISOPROPYLBENZENE	14		
METHYL ACETATE	5.6	U	
METHYL CYCLOHEXANE	4.3	J	P
METHYL TERT-BUTYL ETHER	5.6	U	
METHYLENE CHLORIDE	5.6	U	
STYRENE	5.6	U	
TETRACHLOROETHENE	5.6	U	
TOLUENE	38		
TOTAL XYLENES	210		
TRANS-1,2-DICHLOROETHENE	5.6	U	
TRANS-1,3-DICHLOROPROPENE	5.6	U	
TRICHLOROETHENE	5.6	U	
TRICHLOROFLUOROMETHANE	5.6	U	
VINYL CHLORIDE	1.1	J	P

PROJ_NO: 1610

SDG: C5E050136 MEDIA: WATER DATA FRACTION: OV

nsample	TB-050405
samp_date	5/4/2005
lab_id	C5E050136001
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	5	U	
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	20	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	5	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	5	U	
CHLOROFORM	5	U	
CHLOROMETHANE	5	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	

nsample	TB-050405
samp_date	5/4/2005
lab_id	C5E050136001
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TOTAL XYLENES	15	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	5	U	

PROJ_N 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PAH

nsample	DUP-050405-01	nsample	FT-SB-201-0305	nsample	FT-SB-202-0305
samp_date	5/4/2005	samp_date	5/4/2005	samp_date	5/4/2005
lab_id	C5E050136021	lab_id	C5E050136002	lab_id	C5E050136005
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	81.0	Pct_Solids	89.0	Pct_Solids	80.0
DUP_OF:	FT-SB-202-0305	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	41	UJ	H
ACENAPHTHENE	41	UJ	H
ACENAPHTHYLENE	41	UJ	H
ANTHRACENE	15	J	GH
BENZO(A)ANTHRACENE	35	J	GH
BENZO(A)PYRENE	42	J	GH
BENZO(B)FLUORANTHENE	41	J	GH
BENZO(G,H,I)PERYLENE	32	J	GH
BENZO(K)FLUORANTHENE	24	J	H
CHRYSENE	8.2	UJ	GH
DIBENZO(A,H)ANTHRACENE	6.2	J	HP
FLUORANTHENE	78	J	GH
FLUORENE	7.6	J	GHP
INDENO(1,2,3-CD)PYRENE	29	J	GH
NAPHTHALENE	6.9	J	HP
PHENANTHRENE	55	J	GH
PYRENE	86	J	GH

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	4100	J	H
ACENAPHTHENE	370	UJ	H
ACENAPHTHYLENE	370	UJ	H
ANTHRACENE	10	J	HP
BENZO(A)ANTHRACENE	31	J	HP
BENZO(A)PYRENE	39	J	HP
BENZO(B)FLUORANTHENE	40	J	HP
BENZO(G,H,I)PERYLENE	53	J	HP
BENZO(K)FLUORANTHENE	26	J	HP
CHRYSENE	30	J	HP
DIBENZO(A,H)ANTHRACENE	20	J	HP
FLUORANTHENE	76	J	H
FLUORENE	160	J	H
INDENO(1,2,3-CD)PYRENE	60	J	HP
NAPHTHALENE	1200	J	H
PHENANTHRENE	290	J	H
PYRENE	78	J	H

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	82	UJ	H
ACENAPHTHENE	82	UJ	H
ACENAPHTHYLENE	13	J	HP
ANTHRACENE	32	J	GH
BENZO(A)ANTHRACENE	73	J	GH
BENZO(A)PYRENE	82	J	GH
BENZO(B)FLUORANTHENE	70	J	GH
BENZO(G,H,I)PERYLENE	65	J	GH
BENZO(K)FLUORANTHENE	40	J	H
CHRYSENE	71	J	GH
DIBENZO(A,H)ANTHRACENE	6.2	J	HP
FLUORANTHENE	170	J	GH
FLUORENE	17	J	GH
INDENO(1,2,3-CD)PYRENE	57	J	GH
NAPHTHALENE	82	UJ	H
PHENANTHRENE	120	J	GH
PYRENE	170	J	GH

PROJ_NO: 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PAH

nsample	FT-SB-203-0204	nsample	FT-SB-204-0204	nsample	FT-SB-207-0305
samp_date	5/4/2005	samp_date	5/4/2005	samp_date	5/4/2005
lab_id	C5E050136007	lab_id	C5E050136010	lab_id	C5E050136013
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	83.0	Pct_Solids	93.7	Pct_Solids	80.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	8700		
ACENAPHTHENE	380	J	P
ACENAPHTHYLENE	1600	U	
ANTHRACENE	110	J	P
BENZO(A)ANTHRACENE	960		
BENZO(A)PYRENE	610		
BENZO(B)FLUORANTHENE	1000		
BENZO(G,H,I)PERYLENE	680		
BENZO(K)FLUORANTHENE	600		
CHRYSENE	1100		
DIBENZO(A,H)ANTHRACENE	190	J	P
FLUORANTHENE	3200		
FLUORENE	730		
INDENO(1,2,3-CD)PYRENE	600		
NAPHTHALENE	2200		
PHENANTHRENE	2300		
PYRENE	3200		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	35	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	63		
ANTHRACENE	5.1	J	P
BENZO(A)ANTHRACENE	29		
BENZO(A)PYRENE	38		
BENZO(B)FLUORANTHENE	40		
BENZO(G,H,I)PERYLENE	26		
BENZO(K)FLUORANTHENE	30		
CHRYSENE	29		
DIBENZO(A,H)ANTHRACENE	13		
FLUORANTHENE	58		
FLUORENE	7.2	U	
INDENO(1,2,3-CD)PYRENE	29		
NAPHTHALENE	3.6	J	P
PHENANTHRENE	28		
PYRENE	66		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	540		
ACENAPHTHENE	41	U	
ACENAPHTHYLENE	41	U	
ANTHRACENE	6.4	J	P
BENZO(A)ANTHRACENE	37		
BENZO(A)PYRENE	23		
BENZO(B)FLUORANTHENE	30		
BENZO(G,H,I)PERYLENE	18		
BENZO(K)FLUORANTHENE	17		
CHRYSENE	29		
DIBENZO(A,H)ANTHRACENE	5.5	J	P
FLUORANTHENE	8.4	U	
FLUORENE	23		
INDENO(1,2,3-CD)PYRENE	20		
NAPHTHALENE	150		
PHENANTHRENE	69		
PYRENE	53		

PROJ_N 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	DUP-050405-01	nsample	FT-SB-201-0305	nsample	FT-SB-202-0305
samp_date	5/4/2005	samp_date	5/4/2005	samp_date	5/4/2005
lab_id	C5E050136021	lab_id	C5E050136002	lab_id	C5E050136005
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	81.0	Pct_Solids	89.0	Pct_Solids	80.0
DUP_OF:	FT-SB-202-0305	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	5.8		
4,4'-DDE	1.1	J	P
4,4'-DDT	0.63	R	U
ALDRIN	2.1	U	
ALPHA-BHC	2.1	U	
ALPHA-CHLORDANE	2.1	U	
AROCLOR-1016	41	U	
AROCLOR-1221	41	U	
AROCLOR-1232	41	U	
AROCLOR-1242	41	U	
AROCLOR-1248	41	U	
AROCLOR-1254	41	U	
AROCLOR-1260	41	U	
BETA-BHC	2.1	U	
DELTA-BHC	2.1	U	
DIELDRIN	0.33	J	P
ENDOSULFAN I	2.1	U	
ENDOSULFAN II	2.1	U	
ENDOSULFAN SULFATE	2.1	U	
ENDRIN	2.1	U	
ENDRIN ALDEHYDE	2.1	U	
ENDRIN KETONE	2.1	U	
GAMMA-BHC (LINDANE)	2.1	U	
GAMMA-CHLORDANE	0.9	J	P
HEPTACHLOR	2.1	U	
HEPTACHLOR EPOXIDE	2.1	U	
METHOXYCHLOR	4.1	U	
TOXAPHENE	82	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.5	R	U
4,4'-DDE	4.5		
4,4'-DDT	3.8	U	
ALDRIN	3.8	U	
ALPHA-BHC	3.8	U	
ALPHA-CHLORDANE	4.9		
AROCLOR-1016	37	U	
AROCLOR-1221	37	U	
AROCLOR-1232	37	U	
AROCLOR-1242	37	U	
AROCLOR-1248	37	U	
AROCLOR-1254	37	U	
AROCLOR-1260	510		
BETA-BHC	3.8	U	
DELTA-BHC	3.8	U	
DIELDRIN	2.5	J	P
ENDOSULFAN I	3.8	U	
ENDOSULFAN II	3.8	U	
ENDOSULFAN SULFATE	5		
ENDRIN	3.8	U	
ENDRIN ALDEHYDE	3.8	U	
ENDRIN KETONE	1.1	R	U
GAMMA-BHC (LINDANE)	3.8	U	
GAMMA-CHLORDANE	2.1	R	U
HEPTACHLOR	3.8	U	
HEPTACHLOR EPOXIDE	3.8	U	
METHOXYCHLOR	7.4	U	
TOXAPHENE	150	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	8.2		
4,4'-DDE	1.7	J	P
4,4'-DDT	1	R	U
ALDRIN	2.1	U	
ALPHA-BHC	2.1	U	
ALPHA-CHLORDANE	2.1	U	
AROCLOR-1016	41	U	
AROCLOR-1221	41	U	
AROCLOR-1232	41	U	
AROCLOR-1242	41	U	
AROCLOR-1248	41	U	
AROCLOR-1254	41	U	
AROCLOR-1260	41	U	
BETA-BHC	2.1	U	
DELTA-BHC	2.1	U	
DIELDRIN	0.29	R	U
ENDOSULFAN I	2.1	U	
ENDOSULFAN II	2.1	U	
ENDOSULFAN SULFATE	2.1	U	
ENDRIN	0.21	R	U
ENDRIN ALDEHYDE	2.1	U	
ENDRIN KETONE	2.1	U	
GAMMA-BHC (LINDANE)	2.1	U	
GAMMA-CHLORDANE	1.1	J	P
HEPTACHLOR	2.1	U	
HEPTACHLOR EPOXIDE	2.1	U	
METHOXYCHLOR	4.1	U	
TOXAPHENE	83	U	

PROJ_NO: 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	FT-SB-203-0204	nsample	FT-SB-204-0204	nsample	FT-SB-207-0305
samp_date	5/4/2005	samp_date	5/4/2005	samp_date	5/4/2005
lab_id	C5E050136007	lab_id	C5E050136010	lab_id	C5E050136013
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	83.0	Pct_Solids	93.7	Pct_Solids	80.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	4.3	R	U
4,4'-DDE	7.2	J	P
4,4'-DDT	20	U	
ALDRIN	20	U	
ALPHA-BHC	20	U	
ALPHA-CHLORDANE	20	U	
AROCLOR-1016	80	U	
AROCLOR-1221	80	U	
AROCLOR-1232	80	U	
AROCLOR-1242	80	U	
AROCLOR-1248	80	U	
AROCLOR-1254	80	U	
AROCLOR-1260	1800		
BETA-BHC	20	U	
DELTA-BHC	20	U	
DIELDRIN	3.1	R	U
ENDOSULFAN I	11	R	U
ENDOSULFAN II	20	U	
ENDOSULFAN SULFATE	20	U	
ENDRIN	20	U	
ENDRIN ALDEHYDE	20	U	
ENDRIN KETONE	20	U	
GAMMA-BHC (LINDANE)	20	U	
GAMMA-CHLORDANE	2.8	R	U
HEPTACHLOR	20	U	
HEPTACHLOR EPOXIDE	20	U	
METHOXYCHLOR	40	U	
TOXAPHENE	810	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	9.1	U	
4,4'-DDE	1.3	J	P
4,4'-DDT	14		
ALDRIN	9.1	U	
ALPHA-BHC	9.1	U	
ALPHA-CHLORDANE	9.1	U	
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	41		
BETA-BHC	9.1	U	
DELTA-BHC	9.1	U	
DIELDRIN	9.1	U	
ENDOSULFAN I	9.1	U	
ENDOSULFAN II	9.1	U	
ENDOSULFAN SULFATE	9.1	U	
ENDRIN	9.1	U	
ENDRIN ALDEHYDE	9.1	U	
ENDRIN KETONE	9.1	U	
GAMMA-BHC (LINDANE)	9.1	U	
GAMMA-CHLORDANE	9.1	U	
HEPTACHLOR	9.1	U	
HEPTACHLOR EPOXIDE	9.1	U	
METHOXYCHLOR	18	U	
TOXAPHENE	360	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	4.8		
4,4'-DDE	4.6		
4,4'-DDT	4.3	U	
ALDRIN	4.3	U	
ALPHA-BHC	4.3	U	
ALPHA-CHLORDANE	4.3	U	
AROCLOR-1016	41	U	
AROCLOR-1221	41	U	
AROCLOR-1232	41	U	
AROCLOR-1242	41	U	
AROCLOR-1248	67		
AROCLOR-1254	41	U	
AROCLOR-1260	140		
BETA-BHC	4.3	U	
DELTA-BHC	4.3	U	
DIELDRIN	1.5	R	U
ENDOSULFAN I	1.5	R	U
ENDOSULFAN II	4.3	U	
ENDOSULFAN SULFATE	3.8	J	P
ENDRIN	4.3	U	
ENDRIN ALDEHYDE	4.3	U	
ENDRIN KETONE	4.3	U	
GAMMA-BHC (LINDANE)	4.3	U	
GAMMA-CHLORDANE	1	R	U
HEPTACHLOR	4.3	U	
HEPTACHLOR EPOXIDE	4.3	U	
METHOXYCHLOR	8.3	U	
TOXAPHENE	170	U	

PROJ_ 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PET

nsample	DUP-050405-01	nsample	DUP-050405-02	nsample	FT-SB-201-0305
samp_date	5/4/2005	samp_date	5/4/2005	samp_date	5/4/2005
lab_id	C5E050136021	lab_id	C5E050136022	lab_id	C5E050136002
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	81.0	Pct_Solids	85.0	Pct_Solids	89.0
DUP_OF:	FT-SB-202-0305	DUP_OF:	FT-SB-204-1416	DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	160	U	A
GASOLINE RANGE ORGANICS	UG/KG	5000	U	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	6000		
GASOLINE RANGE ORGANICS	UG/KG	27000		

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	4900		
GASOLINE RANGE ORGANICS	UG/KG	110000		

PROJ_NO: 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-201-1012
samp_date	5/4/2005
lab_id	C5E050136003
qc_type	NM
Pct_Solids	93.4
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	3800		
GASOLINE RANGE ORGANICS	UG/KG	19000		

nsample	FT-SB-201-1516
samp_date	5/4/2005
lab_id	C5E050136004
qc_type	NM
Pct_Solids	87.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	2100		
GASOLINE RANGE ORGANICS	UG/KG	120000		

nsample	FT-SB-202-0305
samp_date	5/4/2005
lab_id	C5E050136005
qc_type	NM
Pct_Solids	80.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	130	U	A
GASOLINE RANGE ORGANICS	UG/KG	5200	U	

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-202-1112	nsample	FT-SB-203-0204	nsample	FT-SB-203-0608
samp_date	5/4/2005	samp_date	5/4/2005	samp_date	5/4/2005
lab_id	C5E050136006	lab_id	C5E050136007	lab_id	C5E050136008
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	84.0	Pct_Solids	83.0	Pct_Solids	95.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	400		
GASOLINE RANGE ORGANICS	UG/KG	5500	U	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	11000		
GASOLINE RANGE ORGANICS	UG/KG	79000		

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	2100		
GASOLINE RANGE ORGANICS	UG/KG	5400	U	

PROJ_NO: 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-203-1516
samp_date	5/4/2005
lab_id	C5E050136009
qc_type	NM
Pct_Solids	84.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	8400		
GASOLINE RANGE ORGANICS	UG/KG	5400	U	

nsample	FT-SB-204-0204
samp_date	5/4/2005
lab_id	C5E050136010
qc_type	NM
Pct_Solids	93.7
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	23		
GASOLINE RANGE ORGANICS	UG/KG	5000	U	

nsample	FT-SB-204-0608
samp_date	5/4/2005
lab_id	C5E050136011
qc_type	NM
Pct_Solids	94.8
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	6.4	U	A
GASOLINE RANGE ORGANICS	UG/KG	5400	U	

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-204-1416
samp_date	5/4/2005
lab_id	C5E050136012
qc_type	NM
Pct_Solids	85.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	8900		
GASOLINE RANGE ORGANICS	UG/KG	5400	U	

nsample	FT-SB-206-0305
samp_date	5/4/2005
lab_id	C5E050136020
qc_type	NM
Pct_Solids	93.7
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	11	U	A
GASOLINE RANGE ORGANICS	UG/KG	4700	U	

nsample	FT-SB-206-0506
samp_date	5/4/2005
lab_id	C5E050136018
qc_type	NM
Pct_Solids	91.2
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	1500		
GASOLINE RANGE ORGANICS	UG/KG	8600		

PROJ_NO: 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-206-1416
samp_date	5/4/2005
lab_id	C5E050136019
qc_type	NM
Pct_Solids	89.0
DUP_OF:	

Parameter	units	Result >	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	12	U	A
GASOLINE RANGE ORGANICS	UG/KG	6000	U	

nsample	FT-SB-207-0305
samp_date	5/4/2005
lab_id	C5E050136013
qc_type	NM
Pct_Solids	80.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	8400		
GASOLINE RANGE ORGANICS	UG/KG	36000		

nsample	FT-SB-207-1012
samp_date	5/4/2005
lab_id	C5E050136014
qc_type	NM
Pct_Solids	82.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	3200		
GASOLINE RANGE ORGANICS	UG/KG	55000	U	

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SB-207-1416
samp_date	5/4/2005
lab_id	C5E050136015
qc_type	NM
Pct_Solids	90.7
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	13000		
GASOLINE RANGE ORGANICS	UG/KG	130000		

nsample	FT-SB-208-0204
samp_date	5/4/2005
lab_id	C5E050136016
qc_type	NM
Pct_Solids	94.7
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	7.9	U	A
GASOLINE RANGE ORGANICS	UG/KG	5000	U	

nsample	FT-SB-208-1416
samp_date	5/4/2005
lab_id	C5E050136017
qc_type	NM
Pct_Solids	87.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	30		
GASOLINE RANGE ORGANICS	UG/KG	4900	U	

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **D. BRAYACK** **DATE: JULY 11, 2005**

FROM: **K. CARPER** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PAH/PEST/PCB/GRO/DRO**
CTO 004, NWIRP CALVERTON
SDG: C5E040115

SAMPLES: 5/soil/PAH/PEST/PCB/GRO/DRO
FT-SS209 FT-SS211 FT-SS212 FT-SS214 FT-SS215

Overview

The sample set for CTO 004; NWIRP Calverton; SDG C5E040115 consists of five (5) soil environmental samples. As detailed above, the samples were analyzed for Target Compound List (TCL) Polycyclic Aromatic Hydrocarbons (PAHs), Pesticides (PEST), Polychlorinated Biphenyls (PCBs), Gasoline Range Organics (GRO), and Diesel Range Organics (DRO). No field duplicate pairs were included in this SDG.

The samples were collected by Tetra Tech NUS on May 3rd, 2005 and analyzed by Severn Trent Laboratories, Inc. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using U.S. EPA Test Methods for Evaluating Solid Waste Physical and Chemical Methods (SW-846) Method 8310, 8081A, 8082, and 8015B analytical and reporting protocol.

The data contained in this SDG were validated with regard to the following parameters:

* • Holding times
* • Data completeness
* • Initial and continuing calibration
* • Surrogates
* • Internal Standards
• Blank results
* • Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data usability are discussed below; documentation supporting these findings is presented in Appendix D. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B. The Region II data validation forms are presented in Appendix C.

The text of this letter is formulated to address only major noncompliances resulting in rejection or qualification for blank contamination.

PAHs

No major noncompliances or blank contaminants were found in this fraction.

Note that samples FT-SS209 and FT-SS211 were diluted 30-fold and 500-fold respectively. As a result

most spiked compounds (surrogates and matrix spikes) were diluted out. Additionally the percent difference between analytical columns was high for several compounds in all samples.

PEST

The Percent Difference (%D) between analytical columns was greater than 100% in several samples. Positive results with %Ds greater than 100% were rejected, qualified (R).

Note that all samples were diluted, ranging from 2 to 100-fold. As a result some spiked compounds (surrogates) were diluted out. Additionally the percent difference between analytical columns was high for several compounds in all samples and several calibration percent differences exceed criteria.

PCBs

No major noncompliances or blank contaminants were found in this fraction.

The presence of PCBs in all samples may have contributed to the determination of pesticides.

GRO

No major noncompliances or blank contaminants were found in this fraction.

DRO

The target diesel range organics (DRO) was detected in the laboratory method blank at a concentration of 3.3 mg/kg. An action level of 5X the contaminant concentration (16.5 mg/kg) was established to evaluate laboratory method blank contamination for DRO. Sample aliquot, percent solids and dilution factors were taken into consideration during application of the blank action level. Samples FT-SS214 and FT-SS215 were both qualified (U) for blank contamination.

Note that four of the five samples were diluted, ranging from 2 to 20-fold.

Additional Comments

Positive results reported at concentrations below the reporting limit were qualified as estimated, (J).

EXECUTIVE SUMMARY

Laboratory Performance Issues: DRO was detected in the method blank. There were some pesticide fraction calibration percent differences in excess of criteria.

Other Factors Affecting Data Quality: Samples in PAH, Pesticide, and DRO fractions were diluted resulting in some surrogates being diluted out of samples. There were high %Ds between analytical columns which resulted in rejection of some data.

The data for these analyses were reviewed with reference to the EPA National Functional Guidelines for Organic Data Validation (10/99), USEPA Standard Operating Procedures for the Validation of Organic Data (January, 1992) as modified by EPA Region II and the NFESC guidelines entitled "Navy IRCDQM" (September, 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS

Kelly Carper
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C – Regional Worksheets
3. Appendix D - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 1610

SDG: C5E040115 MEDIA: SOIL DATA FRACTION: PAH

nsample	FT-SS209	nsample	FT-SS211	nsample	FT-SS212
samp_date	5/3/2005	samp_date	5/3/2005	samp_date	5/3/2005
lab_id	C5E040115001	lab_id	C5E040115002	lab_id	C5E040115003
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	91.2	Pct_Solids	91.2	Pct_Solids	95.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	1100	U	
ACENAPHTHENE	1100	U	
ACENAPHTHYLENE	1100	U	
ANTHRACENE	230		
BENZO(A)ANTHRACENE	730		
BENZO(A)PYRENE	700		
BENZO(B)FLUORANTHENE	660		
BENZO(G,H,I)PERYLENE	470		
BENZO(K)FLUORANTHENE	430		
CHRYSENE	720		
DIBENZO(A,H)ANTHRACENE	160	J	P
FLUORANTHENE	1600		
FLUORENE	110	J	P
INDENO(1,2,3-CD)PYRENE	580		
NAPHTHALENE	1100	U	
PHENANTHRENE	1100		
PYRENE	1200		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	18000	U	
ACENAPHTHENE	18000	U	
ACENAPHTHYLENE	18000	U	
ANTHRACENE	3600	J	P
BENZO(A)ANTHRACENE	13000		
BENZO(A)PYRENE	12000		
BENZO(B)FLUORANTHENE	11000		
BENZO(G,H,I)PERYLENE	7400		
BENZO(K)FLUORANTHENE	7200		
CHRYSENE	12000		
DIBENZO(A,H)ANTHRACENE	1800	J	P
FLUORANTHENE	30000		
FLUORENE	2800	J	P
INDENO(1,2,3-CD)PYRENE	7700		
NAPHTHALENE	18000	U	
PHENANTHRENE	20000		
PYRENE	31000		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	35	U	
ACENAPHTHENE	35	U	
ACENAPHTHYLENE	4.8	J	P
ANTHRACENE	2.9	J	P
BENZO(A)ANTHRACENE	18		
BENZO(A)PYRENE	17		
BENZO(B)FLUORANTHENE	18		
BENZO(G,H,I)PERYLENE	15		
BENZO(K)FLUORANTHENE	11		
CHRYSENE	17		
DIBENZO(A,H)ANTHRACENE	7	U	
FLUORANTHENE	32		
FLUORENE	2.3	J	P
INDENO(1,2,3-CD)PYRENE	13		
NAPHTHALENE	35	U	
PHENANTHRENE	16		
PYRENE	33		

SDG: C5E040115 MEDIA: SOIL DATA FRACTION: PAH

nsample	FT-SS214	nsample	FT-SS215
samp_date	5/3/2005	samp_date	5/3/2005
lab_id	C5E040115004	lab_id	C5E040115005
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	90.5	Pct_Solids	90.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	44		
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	35	J	P
ANTHRACENE	1.1	J	P
BENZO(A)ANTHRACENE	5.6	J	P
BENZO(A)PYRENE	5.3	J	P
BENZO(B)FLUORANTHENE	17		
BENZO(G,H,I)PERYLENE	13		
BENZO(K)FLUORANTHENE	7	J	P
CHRYSENE	8.6		
DIBENZO(A,H)ANTHRACENE	7.9		
FLUORANTHENE	10		
FLUORENE	7.4	U	
INDENO(1,2,3-CD)PYRENE	18		
NAPHTHALENE	11	J	P
PHENANTHRENE	24		
PYRENE	12		

Parameter	Result	Val Qual	Qual Code
2-METHYLNAPHTHALENE	37	U	
ACENAPHTHENE	37	U	
ACENAPHTHYLENE	20	J	P
ANTHRACENE	3.3	J	P
BENZO(A)ANTHRACENE	50		
BENZO(A)PYRENE	61		
BENZO(B)FLUORANTHENE	60		
BENZO(G,H,I)PERYLENE	47		
BENZO(K)FLUORANTHENE	38		
CHRYSENE	51		
DIBENZO(A,H)ANTHRACENE	12		
FLUORANTHENE	80		
FLUORENE	7.5	U	
INDENO(1,2,3-CD)PYRENE	54		
NAPHTHALENE	37	U	
PHENANTHRENE	30		
PYRENE	100		

PROJ_NO: 1610

SDG: C5E040115 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	FT-SS209	nsample	FT-SS211	nsample	FT-SS212
samp_date	5/3/2005	samp_date	5/3/2005	samp_date	5/3/2005
lab_id	C5E040115001	lab_id	C5E040115002	lab_id	C5E040115003
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.2	Pct_Solids	91.2	Pct_Solids	95.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	4	J	P
4,4'-DDE	6.2	J	P
4,4'-DDT	18	U	
ALDRIN	18	U	
ALPHA-BHC	18	U	
ALPHA-CHLORDANE	6.1	J	P
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	1000		
BETA-BHC	18	U	
DELTA-BHC	18	U	
DIELDRIN	4.5	R	U
ENDOSULFAN I	18	U	
ENDOSULFAN II	18	U	
ENDOSULFAN SULFATE	18	U	
ENDRIN	18	U	
ENDRIN ALDEHYDE	18	U	
ENDRIN KETONE	18	U	
GAMMA-BHC (LINDANE)	18	U	
GAMMA-CHLORDANE	3.3	R	U
HEPTACHLOR	18	U	
HEPTACHLOR EPOXIDE	18	U	
METHOXYCHLOR	35	U	
TOXAPHENE	720	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	190	U	
4,4'-DDE	88	J	P
4,4'-DDT	190	U	
ALDRIN	190	U	
ALPHA-BHC	190	U	
ALPHA-CHLORDANE	190	U	
AROCLOR-1016	36	U	
AROCLOR-1221	36	U	
AROCLOR-1232	36	U	
AROCLOR-1242	36	U	
AROCLOR-1248	36	U	
AROCLOR-1254	36	U	
AROCLOR-1260	190		
BETA-BHC	190	U	
DELTA-BHC	120	R	U
DIELDRIN	190	U	
ENDOSULFAN I	190	U	
ENDOSULFAN II	190	U	
ENDOSULFAN SULFATE	190	U	
ENDRIN	190	U	
ENDRIN ALDEHYDE	190	U	
ENDRIN KETONE	190	U	
GAMMA-BHC (LINDANE)	190	U	
GAMMA-CHLORDANE	190	U	
HEPTACHLOR	190	U	
HEPTACHLOR EPOXIDE	190	U	
METHOXYCHLOR	360	U	
TOXAPHENE	7300	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1	J	P
4,4'-DDE	1.6	J	P
4,4'-DDT	4.3		
ALDRIN	3.6	U	
ALPHA-BHC	3.6	U	
ALPHA-CHLORDANE	1.7	J	P
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	67		
AROCLOR-1260	40		
BETA-BHC	3.6	U	
DELTA-BHC	3.6	U	
DIELDRIN	3.6	U	
ENDOSULFAN I	3.6	U	
ENDOSULFAN II	2.5	J	P
ENDOSULFAN SULFATE	3.6	U	
ENDRIN	0.64	R	U
ENDRIN ALDEHYDE	0.99	R	U
ENDRIN KETONE	3.6	U	
GAMMA-BHC (LINDANE)	3.6	U	
GAMMA-CHLORDANE	0.83	R	U
HEPTACHLOR	3.6	U	
HEPTACHLOR EPOXIDE	3.6	U	
METHOXYCHLOR	6.9	U	
TOXAPHENE	140	U	

SDG: C5E040115 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	FT-SS214	nsample	FT-SS215
samp_date	5/3/2005	samp_date	5/3/2005
lab_id	C5E040115004	lab_id	C5E040115005
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	90.5	Pct_Solids	90.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	2.1	J	P
4,4'-DDE	1.3	J	P
4,4'-DDT	35		
ALDRIN	3.8	U	
ALPHA-BHC	3.8	U	
ALPHA-CHLORDANE	1.4	J	P
AROCLOR-1016	36	U	
AROCLOR-1221	36	U	
AROCLOR-1232	36	U	
AROCLOR-1242	36	U	
AROCLOR-1248	36	U	
AROCLOR-1254	36	U	
AROCLOR-1260	730		
BETA-BHC	3.8	U	
DELTA-BHC	3.8	U	
DIELDRIN	1	R	U
ENDOSULFAN I	3.8	U	
ENDOSULFAN II	3.8	U	
ENDOSULFAN SULFATE	3.8	U	
ENDRIN	3.8	U	
ENDRIN ALDEHYDE	3.8	U	
ENDRIN KETONE	3.8	U	
GAMMA-BHC (LINDANE)	3.8	U	
GAMMA-CHLORDANE	0.77	R	U
HEPTACHLOR	3.8	U	
HEPTACHLOR EPOXIDE	3.8	U	
METHOXYCHLOR	7.3	U	
TOXAPHENE	150	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	3.5	J	P
4,4'-DDE	9	J	P
4,4'-DDT	19	U	
ALDRIN	19	U	
ALPHA-BHC	19	U	
ALPHA-CHLORDANE	13	J	P
AROCLOR-1016	37	U	
AROCLOR-1221	37	U	
AROCLOR-1232	37	U	
AROCLOR-1242	37	U	
AROCLOR-1248	1100		
AROCLOR-1254	37	U	
AROCLOR-1260	930		
BETA-BHC	19	U	
DELTA-BHC	19	U	
DIELDRIN	4	R	U
ENDOSULFAN I	19	U	
ENDOSULFAN II	24		
ENDOSULFAN SULFATE	19	U	
ENDRIN	19	U	
ENDRIN ALDEHYDE	19	U	
ENDRIN KETONE	19	U	
GAMMA-BHC (LINDANE)	19	U	
GAMMA-CHLORDANE	2.6	R	U
HEPTACHLOR	19	U	
HEPTACHLOR EPOXIDE	19	U	
METHOXYCHLOR	37	U	
TOXAPHENE	750	U	

PROJ_NO: 1610

SDG: C5E040115 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SS209	nsample	FT-SS211	nsample	FT-SS212
samp_date	5/3/2005	samp_date	5/3/2005	samp_date	5/3/2005
lab_id	C5E040115001	lab_id	C5E040115002	lab_id	C5E040115003
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	93.2	Pct_Solids	91.2	Pct_Solids	95.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	480		
GASOLINE RANGE ORGANICS	UG/KG	98	U	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	1100		
GASOLINE RANGE ORGANICS	UG/KG	87	U	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	18		
GASOLINE RANGE ORGANICS	UG/KG	100	U	

PROJ_N 1610

SDG: C5E040115 MEDIA: SOIL DATA FRACTION: PET

nsample	FT-SS214	nsample	FT-SS215
samp_date	5/3/2005	samp_date	5/3/2005
lab_id	C5E040115004	lab_id	C5E040115005
qc_type	NM	qc_type	NM
Pct_Solids	90.5	Pct_Solids	90.0
DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	79	U	A
GASOLINE RANGE ORGANICS	UG/KG	87	U	

Parameter	units	Result	Val Qual	Qual Code
DIESEL RANGE ORGANICS	MG/KG	110	U	A
GASOLINE RANGE ORGANICS	UG/KG	95	U	

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**D. BRAYACK**	**DATE:**	**JULY 8, 2005**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS**
CTO 004 NWIRP CALVERTON, NY
SAMPLE DELIVERY GROUP (SDG) – C5E050136

SAMPLES: 6/Soil/

DUP-050405-01	FT-SB-201-0305	FT-SB-202-0305
FT-SB-203-0204	FT-SB-204-0204	FT-SB-207-0305

Overview

The sample set for CTO 004, NWIRP Calverton, SDG C5E050136, consists of six (6) soil environmental samples. One (1) field duplicate pair (DUP-050405-01 / FT-SB-202-0305) is included within this SDG.

All samples were analyzed for target analyte list (TAL) metals. The samples were collected by Tetra Tech NUS on May 4, 2005 and analyzed by Severn Trent Laboratories (STL) Pittsburgh under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. Metals analyses, with the exception of mercury, were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7471A.

Metals analyses, with the exception of mercury, were conducted using Inductively Coupled Plasma (ICP) methodologies. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA).

The data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Data
* • Laboratory Blank Analyses
* • Laboratory Control Sample Results
* • Matrix Spike Results
* • Field Duplicate Results
* • Sample Quanitation
* • Detection Limits

* - All quality control criteria were met for this parameter.

Notes

A matrix spike (MS) and matrix spike duplicate (MSD) were only performed for mercury.

Executive Summary

Laboratory Performance: No laboratory-related issues affected data quality.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", as amended for use within EPA Region II, January 1992 and the NFESC document entitled "Navy IRCDQM" (September 1999).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Erin M Faust

Tetra Tech NUS
Erin M. Faust
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Regional Worksheets
4. Appendix D - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: M

nsample	DUP-050405-01	nsample	FT-SB-201-0305	nsample	FT-SB-202-0305
samp_date	5/4/2005	samp_date	5/4/2005	samp_date	5/4/2005
lab_id	C5E050136021	lab_id	C5E050136002	lab_id	C5E050136005
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	81.0	Pct_Solids	89.0	Pct_Solids	80.0
DUP_OF:	FT-SB-202-0305	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	2120		
ANTIMONY	0.38	U	
ARSENIC	0.65		
BARIUM	10.1		
BERYLLIUM	0.055	U	
CADMIUM	0.082		
CALCIUM	1110		
CHROMIUM	4.0		
COBALT	0.33		
COPPER	2.5		
IRON	1580		
LEAD	3.8		
MAGNESIUM	254		
MANGANESE	17.3		
MERCURY	0.0059		
NICKEL	1.2		
POTASSIUM	53.7		
SELENIUM	0.67		
SILVER	0.081	U	
SODIUM	277		
THALLIUM	0.41	U	
VANADIUM	5.5		
ZINC	5.8		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	2810		
ANTIMONY	0.35	U	
ARSENIC	0.76		
BARIUM	11.0		
BERYLLIUM	0.051	U	
CADMIUM	0.19		
CALCIUM	311		
CHROMIUM	5.7		
COBALT	0.44		
COPPER	3.3		
IRON	1660		
LEAD	14.8		
MAGNESIUM	119		
MANGANESE	9.5		
MERCURY	0.019		
NICKEL	1.2		
POTASSIUM	65.7		
SELENIUM	0.30		
SILVER	0.17		
SODIUM	322		
THALLIUM	0.37	U	
VANADIUM	7.0		
ZINC	22.3		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	2240		
ANTIMONY	0.39	U	
ARSENIC	0.69		
BARIUM	11.0		
BERYLLIUM	0.056	U	
CADMIUM	0.06		
CALCIUM	1220		
CHROMIUM	4.1		
COBALT	0.41		
COPPER	2.4		
IRON	1650		
LEAD	3.4		
MAGNESIUM	305		
MANGANESE	21.8		
MERCURY	0.0093		
NICKEL	1.3		
POTASSIUM	52.1		
SELENIUM	0.58		
SILVER	0.082	U	
SODIUM	330		
THALLIUM	0.41	U	
VANADIUM	5.9		
ZINC	6.6		

PROJ_N 1610

SDG: C5E050136 MEDIA: SOIL DATA FRACTION: M

nsample	FT-SB-203-0204	nsample	FT-SB-204-0204	nsample	FT-SB-207-0305
samp_date	5/4/2005	samp_date	5/4/2005	samp_date	5/4/2005
lab_id	C5E050136007	lab_id	C5E050136010	lab_id	C5E050136013
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	83.0	Pct_Solids	93.7	Pct_Solids	80.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	2710		
ANTIMONY	0.37	U	
ARSENIC	0.57		
BARIUM	13.9		
BERYLLIUM	0.054	U	
CADMIUM	0.053		
CALCIUM	549		
CHROMIUM	3.5		
COBALT	0.30		
COPPER	2.5		
IRON	1460		
LEAD	13.4		
MAGNESIUM	119		
MANGANESE	11.0		
MERCURY	0.016		
NICKEL	1.2		
POTASSIUM	66.1		
SELENIUM	0.30	U	
SILVER	0.079	U	
SODIUM	275		
THALLIUM	0.40	U	
VANADIUM	7.5		
ZINC	11.9		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1870		
ANTIMONY	0.33	U	
ARSENIC	0.74		
BARIUM	7.2		
BERYLLIUM	0.048	U	
CADMIUM	0.12		
CALCIUM	107		
CHROMIUM	3.1		
COBALT	0.49		
COPPER	2.2		
IRON	1410		
LEAD	4.6		
MAGNESIUM	91.6		
MANGANESE	13.1		
MERCURY	0.0043		
NICKEL	1.4		
POTASSIUM	54.7		
SELENIUM	0.39		
SILVER	0.07	U	
SODIUM	277		
THALLIUM	0.35	U	
VANADIUM	4.5		
ZINC	9.0		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1780		
ANTIMONY	0.39	U	
ARSENIC	0.65		
BARIUM	11.8		
BERYLLIUM	0.056	U	
CADMIUM	0.31		
CALCIUM	1680		
CHROMIUM	8.6		
COBALT	5.7		
COPPER	6.9		
IRON	1780		
LEAD	18.1		
MAGNESIUM	268		
MANGANESE	28.1		
MERCURY	0.028		
NICKEL	1.1		
POTASSIUM	103		
SELENIUM	0.31	U	
SILVER	0.083	U	
SODIUM	448		
THALLIUM	0.41	U	
VANADIUM	5.6		
ZINC	18.2		

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**D. BRAYACK**	**DATE:**	**JUNE 28, 2005**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS**
CTO 004 NWIRP CALVERTON, NY
SAMPLE DELIVERY GROUP (SDG) – C5E070137

SAMPLES: 5/Soil/

DUP-050605-03 FT-SB-209-0305 FT-SB-224-0305
FT-SB-225-0305 FT-SB-226-0305

2/Aqueous/

FB-050505 RB-050605

Overview

The sample set for CTO 004, NWIRP Calverton, SDG C5E070137, consists of five (5) soil environmental samples and two (2) aqueous quality control blanks. One (1) field duplicate pair (DUP-050605-03 /) is included within this SDG.

All samples were analyzed for target analyte list (TAL) metals. The samples were collected by Tetra Tech NUS on May 6, 2005 and analyzed by Severn Trent Laboratories (STL) Pittsburgh under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. Metals analyses, with the exception of mercury, were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 methods 7470A and 7471A.

Metals analyses, with the exception of mercury, were conducted using Inductively Coupled Plasma (ICP) methodologies. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA).

The data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Data
* • Laboratory Blank Analyses
* • Laboratory Control Sample Results
* • Matrix Spike Results
* • Field Duplicate Results
* • Sample Quanitation
* • Detection Limits

* - All quality control criteria were met for this parameter.

Notes

A matrix spike (MS) and matrix spike duplicate (MSD) were only performed for mercury.

Executive Summary

Laboratory Performance: No laboratory-related issues affected data quality.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", as amended for use within EPA Region II, January 1992 and the NFESC document entitled "Navy IRCDQM" (September 1999).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Erin M Faust

Tetra Tech NUS
Erin M. Faust
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Regional Worksheets
4. Appendix D - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 1610

SDG: C5E070137 MEDIA: SOIL DATA FRACTION: M

nsample	DUP-050605-03	nsample	FT-SB-209-0305	nsample	FT-SB-224-0305
samp_date	5/6/2005	samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137006	lab_id	C5E070137004	lab_id	C5E070137005
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	95.5	Pct_Solids	94.8	Pct_Solids	95.1
DUP_OF:	FT-SB-224-0305	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1640		
ANTIMONY	0.27	U	
ARSENIC	0.44		
BARIUM	2.8		
BERYLLIUM	0.11		
CADMIUM	0.023	U	
CALCIUM	40.3		
CHROMIUM	2.8		
COBALT	0.78		
COPPER	1.3		
IRON	1570		
LEAD	1.8		
MAGNESIUM	118		
MANGANESE	24.4		
MERCURY	0.0054		
NICKEL	0.83		
POTASSIUM	70.9		
SELENIUM	0.18	U	
SILVER	0.059		
SODIUM	14.6		
THALLIUM	0.23	U	
VANADIUM	3.9		
ZINC	3.1		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	3590		
ANTIMONY	0.27	U	
ARSENIC	0.97		
BARIUM	5.7		
BERYLLIUM	0.17		
CADMIUM	0.023	U	
CALCIUM	38.4		
CHROMIUM	4.6		
COBALT	1.1		
COPPER	1.8		
IRON	3620		
LEAD	2.2		
MAGNESIUM	327		
MANGANESE	23.2		
MERCURY	0.0079		
NICKEL	1.6		
POTASSIUM	101		
SELENIUM	0.19		
SILVER	0.042	U	
SODIUM	11.1	U	
THALLIUM	0.23	U	
VANADIUM	7.6		
ZINC	6.8		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1510		
ANTIMONY	0.27	U	
ARSENIC	0.40		
BARIUM	2.5		
BERYLLIUM	0.11		
CADMIUM	0.023	U	
CALCIUM	40.9		
CHROMIUM	2.5		
COBALT	0.83		
COPPER	1.2		
IRON	1530		
LEAD	1.5		
MAGNESIUM	107		
MANGANESE	26.4		
MERCURY	0.0047		
NICKEL	0.77		
POTASSIUM	72.0		
SELENIUM	0.18	U	
SILVER	0.049		
SODIUM	17.0		
THALLIUM	0.23	U	
VANADIUM	3.5		
ZINC	3.0		

nsample	FT-SB-225-0305	nsample	FT-SB-226-0305
samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137003	lab_id	C5E070137002
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	91.1	Pct_Solids	86.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	2600		
ANTIMONY	0.29	U	
ARSENIC	0.70		
BARIUM	18.1		
BERYLLIUM	0.13		
CADMIUM	0.44		
CALCIUM	66.1		
CHROMIUM	10.5		
COBALT	0.92		
COPPER	3.1		
IRON	1550		
LEAD	31.0		
MAGNESIUM	287		
MANGANESE	12.5		
MERCURY	0.024		
NICKEL	1.5		
POTASSIUM	107		
SELENIUM	0.22		
SILVER	0.067		
SODIUM	11.5	U	
THALLIUM	0.24	U	
VANADIUM	5.3		
ZINC	22.8		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	3130		
ANTIMONY	0.30	U	
ARSENIC	1.9		
BARIUM	20.3		
BERYLLIUM	0.26		
CADMIUM	0.044		
CALCIUM	652		
CHROMIUM	4.2		
COBALT	0.91		
COPPER	7.2		
IRON	2450		
LEAD	4.8		
MAGNESIUM	181		
MANGANESE	20.1		
MERCURY	0.018		
NICKEL	2.0		
POTASSIUM	74.5		
SELENIUM	0.35		
SILVER	0.071		
SODIUM	25.0		
THALLIUM	0.26	U	
VANADIUM	7.4		
ZINC	7.2		

PROJ_NO: 1610

SDG: C5E070137 MEDIA: WATER DATA FRACTION: M

nsample	FB-050505	nsample	RB-050605
samp_date	5/6/2005	samp_date	5/6/2005
lab_id	C5E070137007	lab_id	C5E070137008
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	24.8		
ANTIMONY	2.6	U	
ARSENIC	2.0	U	
BARIUM	0.16	U	
BERYLLIUM	0.64		
CADMIUM	0.22	U	
CALCIUM	26.8	U	
CHROMIUM	0.40	U	
COBALT	0.42	U	
COPPER	0.92	U	
IRON	16.0	U	
LEAD	1.7	U	
MAGNESIUM	15.5	U	
MANGANESE	1.1	U	
MERCURY	0.033		
NICKEL	0.55	U	
POTASSIUM	113		
SELENIUM	2.4		
SILVER	0.48		
SODIUM	105	U	
THALLIUM	2.7		
VANADIUM	0.39	U	
ZINC	1.6		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	25.1		
ANTIMONY	2.6	U	
ARSENIC	2.0	U	
BARIUM	0.16	U	
BERYLLIUM	0.69		
CADMIUM	0.22	U	
CALCIUM	26.8	U	
CHROMIUM	0.40	U	
COBALT	0.42	U	
COPPER	0.92	U	
IRON	16.0	U	
LEAD	1.7	U	
MAGNESIUM	15.5	U	
MANGANESE	1.1	U	
MERCURY	0.028		
NICKEL	0.55	U	
POTASSIUM	110		
SELENIUM	1.8		
SILVER	0.48		
SODIUM	105	U	
THALLIUM	2.2	U	
VANADIUM	0.39	U	
ZINC	1.3		

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**D. BRAYACK**	**DATE:**	**JUNE 28, 2005**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS**
CTO 004 NWIRP CALVERTON, NY
SAMPLE DELIVERY GROUP (SDG) – C5E060132

SAMPLES: 6/Soil/

FT-SB-210-0406	FT-SB-211-0305	FT-SB-213-0305
FT-SB-215-0305	FT-SB-219-0507	FT-SB-221-0406

Overview

The sample set for CTO 004, NWIRP Calverton, SDG C5E060132, consists of six (6) soil environmental samples.

All samples were analyzed for target analyte list (TAL) metals. The samples were collected by Tetra Tech NUS on May 5, 2005 and analyzed by Severn Trent Laboratories (STL) Pittsburgh under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. Metals analyses, with the exception of mercury, were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7141A.

Metals analyses, with the exception of mercury, were conducted using Inductively Coupled Plasma (ICP) methodologies. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA).

The data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Data
* • Laboratory Blank Analyses
* • Laboratory Control Sample Results
* • Matrix Spike Results
* • Sample Quanitation
* • Detection Limits

* - All quality control criteria were met for this parameter.

Notes

The matrix spike (MS) and matrix spike duplicate (MSD) percent recoveries for aluminum and iron were not calculated by the laboratory. No validation action was required because the concentrations of these analytes in the un-spiked sample were greater than four times the concentration of these analytes in the spiking solution.

Executive Summary

Laboratory Performance: No laboratory-related issues affected data quality.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", as amended for use within EPA Region II, January 1992 and the NFESC document entitled "Navy IRCDQM" (September 1999).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Erin M Faust

Tetra Tech NUS
Erin M. Faust
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_' 1610

SDG: C5E0[illegible]32 MEDIA: SOIL DATA FRACTION: M

nsample	FT-SB-210-0406
samp_date	5/5/2005
lab_id	C5E060132002
qc_type	NM
units	MG/KG
Pct_Solids	94.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1420		
ANTIMONY	0.43		
ARSENIC	0.65		
BARIUM	5.3		
BERYLLIUM	0.095		
CADMIUM	0.18		
CALCIUM	35.0		
CHROMIUM	8.2		
COBALT	0.62		
COPPER	2.4		
IRON	2140		
LEAD	14.4		
MAGNESIUM	179		
MANGANESE	10.9		
MERCURY	0.013		
NICKEL	1.2		
POTASSIUM	86.7		
SELENIUM	0.18	U	
SILVER	0.042	U	
SODIUM	15.8		
THALLIUM	0.23	U	
VANADIUM	4.4		
ZINC	8.3		

nsample	FT-SB-211-0305
samp_date	5/5/2005
lab_id	C5E060132005
qc_type	NM
units	MG/KG
Pct_Solids	77.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	2180		
ANTIMONY	0.34	U	
ARSENIC	1.0		
BARIUM	16.1		
BERYLLIUM	0.19		
CADMIUM	0.094		
CALCIUM	913		
CHROMIUM	7.1		
COBALT	0.55		
COPPER	2.6		
IRON	1920		
LEAD	6.2		
MAGNESIUM	149		
MANGANESE	19.4		
MERCURY	0.028		
NICKEL	1.4		
POTASSIUM	62.0		
SELENIUM	0.38		
SILVER	0.055		
SODIUM	26.9		
THALLIUM	0.29	U	
VANADIUM	5.8		
ZINC	16.4		

nsample	FT-SB-213-0305
samp_date	5/5/2005
lab_id	C5E060132006
qc_type	NM
units	MG/KG
Pct_Solids	95.8
DUP_OF;	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	2050		
ANTIMONY	0.27	U	
ARSENIC	0.47		
BARIUM	3.2		
BERYLLIUM	0.092		
CADMIUM	0.023	U	
CALCIUM	45.7		
CHROMIUM	4.2		
COBALT	0.61		
COPPER	1.7		
IRON	1740		
LEAD	1.8		
MAGNESIUM	113		
MANGANESE	11.9		
MERCURY	0.011		
NICKEL	1.1		
POTASSIUM	58.8		
SELENIUM	0.18	U	
SILVER	0.052		
SODIUM	12.5		
THALLIUM	0.23	U	
VANADIUM	4.0		
ZINC	3.2		

PROJ_NO: 1610

SDG: C5E060132 MEDIA: SOIL DATA FRACTION: M

nsample	FT-SB-215-0305
samp_date	5/5/2005
lab_id	C5E060132007
qc_type	NM
units	MG/KG
Pct_Solids	96.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1660		
ANTIMONY	0.27	U	
ARSENIC	0.63		
BARIUM	3.5		
BERYLLIUM	0.096		
CADMIUM	0.023	U	
CALCIUM	26.1		
CHROMIUM	3.7		
COBALT	0.68		
COPPER	1.7		
IRON	1590		
LEAD	1.6		
MAGNESIUM	141		
MANGANESE	14.5		
MERCURY	0.003	U	
NICKEL	0.96		
POTASSIUM	68.2		
SELENIUM	0.32		
SILVER	0.048		
SODIUM	16.3		
THALLIUM	0.23	U	
VANADIUM	3.8		
ZINC	2.9		

nsample	FT-SB-219-0507
samp_date	5/5/2005
lab_id	C5E060132004
qc_type	NM
units	MG/KG
Pct_Solids	93.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	3450		
ANTIMONY	0.28	U	
ARSENIC	0.83		
BARIUM	5.4		
BERYLLIUM	0.12		
CADMIUM	0.024	U	
CALCIUM	52.5		
CHROMIUM	5.0		
COBALT	0.94		
COPPER	2.0		
IRON	3240		
LEAD	3.3		
MAGNESIUM	403		
MANGANESE	23.3		
MERCURY	0.0071		
NICKEL	1.8		
POTASSIUM	112		
SELENIUM	0.18	U	
SILVER	0.043	U	
SODIUM	11.2	U	
THALLIUM	0.24	U	
VANADIUM	6.8		
ZINC	9.4		

nsample	FT-SB-221-0406
samp_date	5/5/2005
lab_id	C5E060132003
qc_type	NM
units	MG/KG
Pct_Solids	93.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	4530		
ANTIMONY	0.28	U	
ARSENIC	1.1		
BARIUM	7.9		
BERYLLIUM	0.16		
CADMIUM	0.067		
CALCIUM	54.0		
CHROMIUM	5.4		
COBALT	0.96		
COPPER	2.2		
IRON	4210		
LEAD	3.0		
MAGNESIUM	376		
MANGANESE	19.6		
MERCURY	0.02		
NICKEL	2.0		
POTASSIUM	108		
SELENIUM	0.28		
SILVER	0.043	U	
SODIUM	14.7		
THALLIUM	0.24	U	
VANADIUM	7.8		
ZINC	8.1		

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**D. BRAYACK**	**DATE:**	**JUNE 22, 2005**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS**
CTO 004 NWIRP CALVERTON, NY
SAMPLE DELIVERY GROUP (SDG) – C5E040115

SAMPLES: 5/Soil/

FT-SS209	FT-SS211	FT-SS212
FT-SS214	FT-SS215	

Overview

The sample set for CTO 004, NWIRP Calverton, SDG C5E040115, consists of five (5) soil environmental samples.

All samples were analyzed for target analyte list (TAL) metals. The samples were collected by Tetra Tech NUS on May 3, 2005 and analyzed by Severn Trent Laboratories (STL) Pittsburgh under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. Metals analyses, with the exception of mercury, were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7141A.

Metals analyses, with the exception of mercury, were conducted using Inductively Coupled Plasma (ICP) methodologies. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA).

The data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Data
* • Laboratory Blank Analyses
* • Laboratory Control Sample Results
* • Matrix Spike Results
* • Sample Quanitation
* • Detection Limits

* - All quality control criteria were met for this parameter.

Notes

The matrix spike (MS) and matrix spike duplicate (MSD) percent recoveries for aluminum and iron were not calculated by the laboratory. No validation action was required because the concentrations of these analytes in the un-spiked sample were greater than four times the concentration of these analytes in the spiking solution.

Executive Summary

Laboratory Performance: No laboratory-related issues affected data quality.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", as amended for use within EPA Region II, January 1992 and the NFESC document entitled "Navy IRCDQM" (September 1999).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS
Erin M. Faust
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Regional Worksheets
4. Appendix D - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO 1610

SDG: C5E040 MEDIA: SOIL DATA FRACTION: M

nsample	FT-SS209
samp_date	5/3/2005
lab_id	C5E040115001
qc_type	NM
units	MG/KG
Pct_Solids	93.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	2300		
ANTIMONY	0.46		
ARSENIC	2.1		
BARIUM	21.2		
BERYLLIUM	0.10		
CADMIUM	0.51		
CALCIUM	192		
CHROMIUM	13.7		
COBALT	0.58		
COPPER	10.4		
IRON	2940		
LEAD	41.4		
MAGNESIUM	191		
MANGANESE	21.8		
MERCURY	0.07		
NICKEL	1.7		
POTASSIUM	68.3		
SELENIUM	0.76		
SILVER	0.19		
SODIUM	286		
THALLIUM	0.35	U	
VANADIUM	7.5		
ZINC	33.6		

nsample	FT-SS211
samp_date	5/3/2005
lab_id	C5E040115002
qc_type	NM
units	MG/KG
Pct_Solids	91.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	3380		
ANTIMONY	0.34	U	
ARSENIC	2.5		
BARIUM	11.3		
BERYLLIUM	0.049	U	
CADMIUM	0.35		
CALCIUM	2130		
CHROMIUM	6.8		
COBALT	0.88		
COPPER	6.8		
IRON	3280		
LEAD	15.2		
MAGNESIUM	1260		
MANGANESE	31.0		
MERCURY	0.023		
NICKEL	2.4		
POTASSIUM	83.6		
SELENIUM	0.75		
SILVER	0.27		
SODIUM	259		
THALLIUM	0.36	U	
VANADIUM	7.6		
ZINC	19.0		

nsample	FT-SS212
samp_date	5/3/2005
lab_id	C5E040115003
qc_type	NM
units	MG/KG
Pct_Solids	95.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	3580		
ANTIMONY	0.33	U	
ARSENIC	0.79		
BARIUM	5.1		
BERYLLIUM	0.047	U	
CADMIUM	0.039		
CALCIUM	42.1		
CHROMIUM	4.5		
COBALT	0.51		
COPPER	2.4		
IRON	2980		
LEAD	5.2		
MAGNESIUM	220		
MANGANESE	15.6		
MERCURY	0.012		
NICKEL	1.5		
POTASSIUM	75.5		
SELENIUM	0.26	U	
SILVER	0.069	U	
SODIUM	276		
THALLIUM	0.35	U	
VANADIUM	6.9		
ZINC	6.1		

PROJ_NO: 1610

SDG: C5E040115 MEDIA: SOIL DATA FRACTION: M

nsample	FT-SS214	nsample	FT-SS215
samp_date	5/3/2005	samp_date	5/3/2005
lab_id	C5E040115004	lab_id	C5E040115005
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	90.5	Pct_Solids	90.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	4720		
ANTIMONY	0.34	U	
ARSENIC	2.0		
BARIUM	15.7		
BERYLLIUM	0.15		
CADMIUM	0.19		
CALCIUM	153		
CHROMIUM	9.1		
COBALT	3.3		
COPPER	6.0		
IRON	5990		
LEAD	14.3		
MAGNESIUM	811		
MANGANESE	156		
MERCURY	0.017		
NICKEL	5.1		
POTASSIUM	192		
SELENIUM	0.31		
SILVER	0.073	U	
SODIUM	220		
THALLIUM	0.36	U	
VANADIUM	10.8		
ZINC	18.3		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	6120		
ANTIMONY	0.34	U	
ARSENIC	5.5		
BARIUM	76.2		
BERYLLIUM	0.40		
CADMIUM	0.051		
CALCIUM	1040		
CHROMIUM	7.7		
COBALT	1.6		
COPPER	12.2		
IRON	10000		
LEAD	9.2		
MAGNESIUM	689		
MANGANESE	41.3		
MERCURY	0.033		
NICKEL	6.4		
POTASSIUM	204		
SELENIUM	0.49		
SILVER	0.19		
SODIUM	241		
THALLIUM	0.37	U	
VANADIUM	29.3		
ZINC	11.7		