EPA Region 5 Records Ctr.
369208

SUMMARY OF DNAPL INVESTIGATION ACTIVITIES

FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

March 2001

LIST OF SECTIONS

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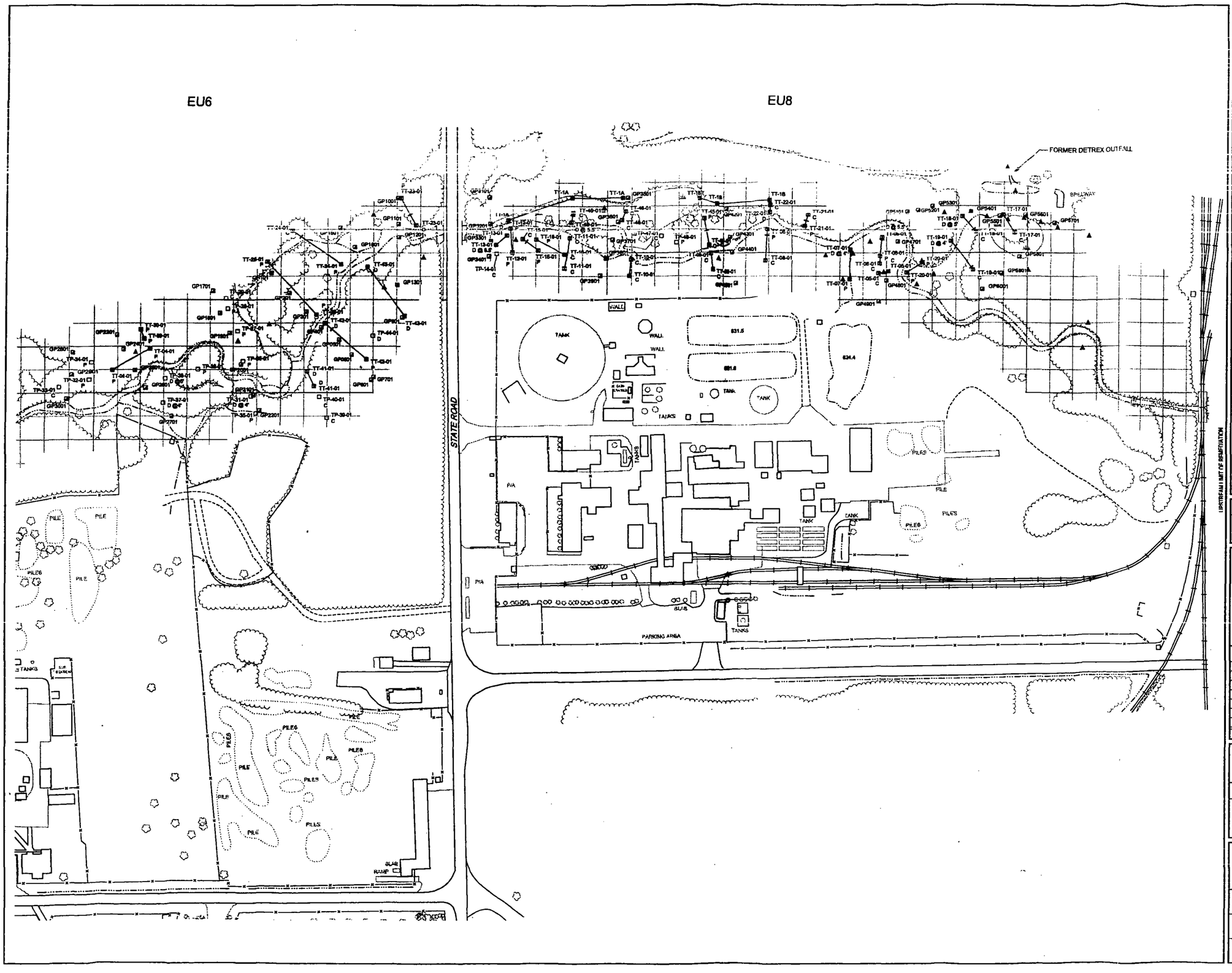
SECTION 5: GEOPROBE STRATIGRAPHIC LOGS

SECTION 6: FINAL ANALYTICAL DATA REPORTS AND DATA VALIDATION

SECTION 1
DNAPL INVESTIGATION FIGURES

FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO



Nº	Revision	Date	Initial

N

0 50 100ft

LEGEND

- FIELDS BROOK
- ▲ APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION (PHASE I INVESTIGATION)
- TP-38-01 SURVEYED TEST PIT LOCATION (PHASE II INVESTIGATION)
- TT-19-01 SURVEYED TEST TRENCH LOCATION (PHASE II INVESTIGATION)
- D DNAPL FOUND
- P HIGH PID READING
- C CLEAN AREA
- SURVEYED GEOPROBE LOCATION (PHASE III INVESTIGATION)

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FIELDS BROOK SITE
ASHTABULA, OHIO

DELINEATION OF DNAPL IMPACTED AREAS

INVESTIGATIVE SAMPLING LOCATIONS
EU6 AND EU8

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BECHTEL ASSOCIATES PROFESSIONAL CORPORATION - OHIO

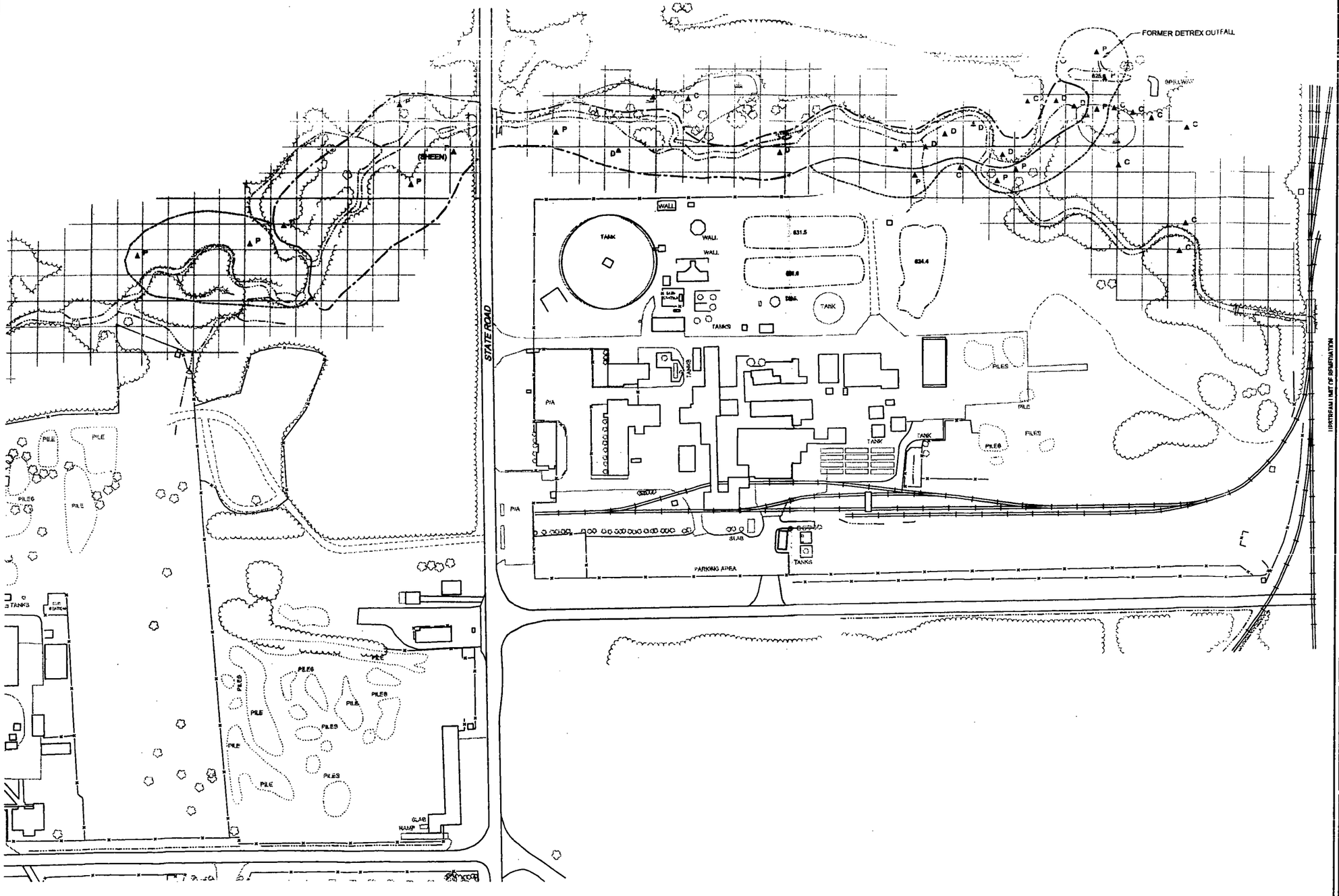
Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale: 1"=100'	Project Nº: 11676-10	Report Nº: PRES006	Drawing Nº: figure 1

11676-10(PRES006)GN-WA001 MAR 12/2001

ESTIMATED VOLUME OF IMPACTED SOIL = 32,300 CUBIC YARDS
(BASED ON VISUAL EVIDENCE OF DNAPL AND ELEVATED PID READINGS)

EU6

EU8



NO	Revision	Date	Initial

0 50 100ft

LEGEND

- APPROXIMATE LIMIT OF DNAPL IMPACTED SOIL
- APPROXIMATE LIMIT OF POTENTIALLY IMPACTED SOIL BASED ON ELEVATED PID READINGS
- ▲D APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION - DNAPL FOUND (PHASE I INVESTIGATION)
- ▲P APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION - HIGH PID READING (PHASE I INVESTIGATION)
- ▲C APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION - CLEAN AREA (PHASE I INVESTIGATION)

UPSTREAM LIMIT OF REMEDIATION

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FIELDS BROOK SITE
ASHTABULA, OHIO

DELINEATION OF DNAPL IMPACTED AREAS

EXTENT OF IMPACTED MATERIAL BASED ON PHASE I SAMPLING

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BECHTEL ASSOCIATES PROFESSIONAL CORPORATION - OHIO

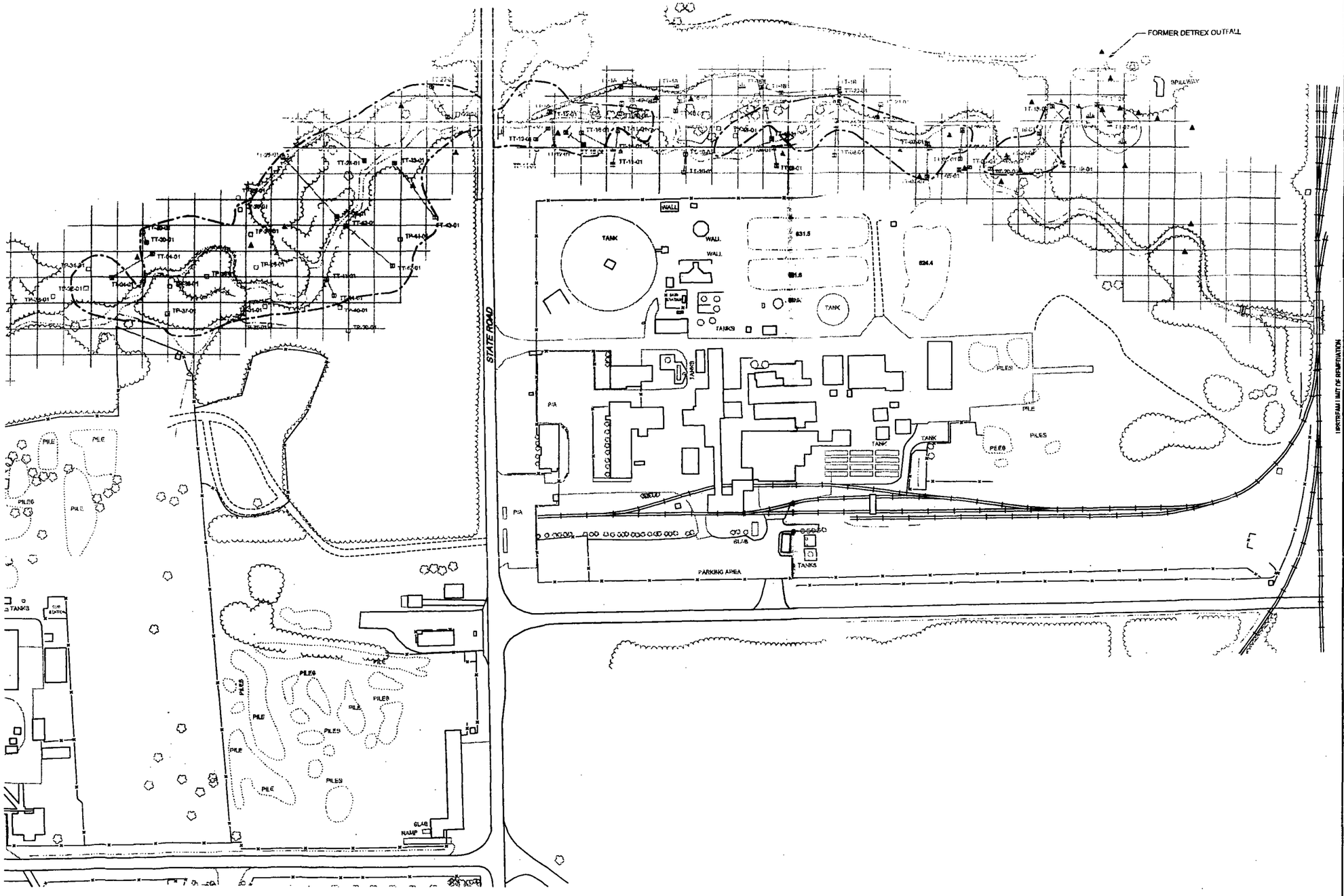
Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale:	Project N°:	Report N°:	Drawing N°:
1"=100'	11676-10	PRES006	figure 2

11676-10(PRES006)GN-WA002 MAR 12/2001

ESTIMATED VOLUME OF IMPACTED SOIL = 37,840 CUBIC YARDS
(BASED ON OBSERVED DNAPL AND PID READINGS)

EU6

EU8



No	Revision	Date	Initial

N

0 50 100ft

LEGEND

- FIELDS BROOK
- APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION (PHASE I INVESTIGATION)
- TP-35-01 SURVEYED TEST PIT LOCATION (PHASE II INVESTIGATION)
- TT-15-01 SURVEYED TEST TRENCH LOCATION (PHASE II INVESTIGATION)
- APPROXIMATE LIMIT OF DNAPL IMPACTED SOIL - BASED ON DNAPL AND PID>500ppm

APPROXIMATE LIMIT OF REMEDIATION

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FIELDS BROOK SITE
ASHTABULA, OHIO

DELINEATION OF DNAPL IMPACTED AREAS

EXTENT OF IMPACTED MATERIAL BASED ON PHASE I, II, AND III SAMPLING

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BECHTEL ASSOCIATES PROFESSIONAL CORPORATION - OHIO

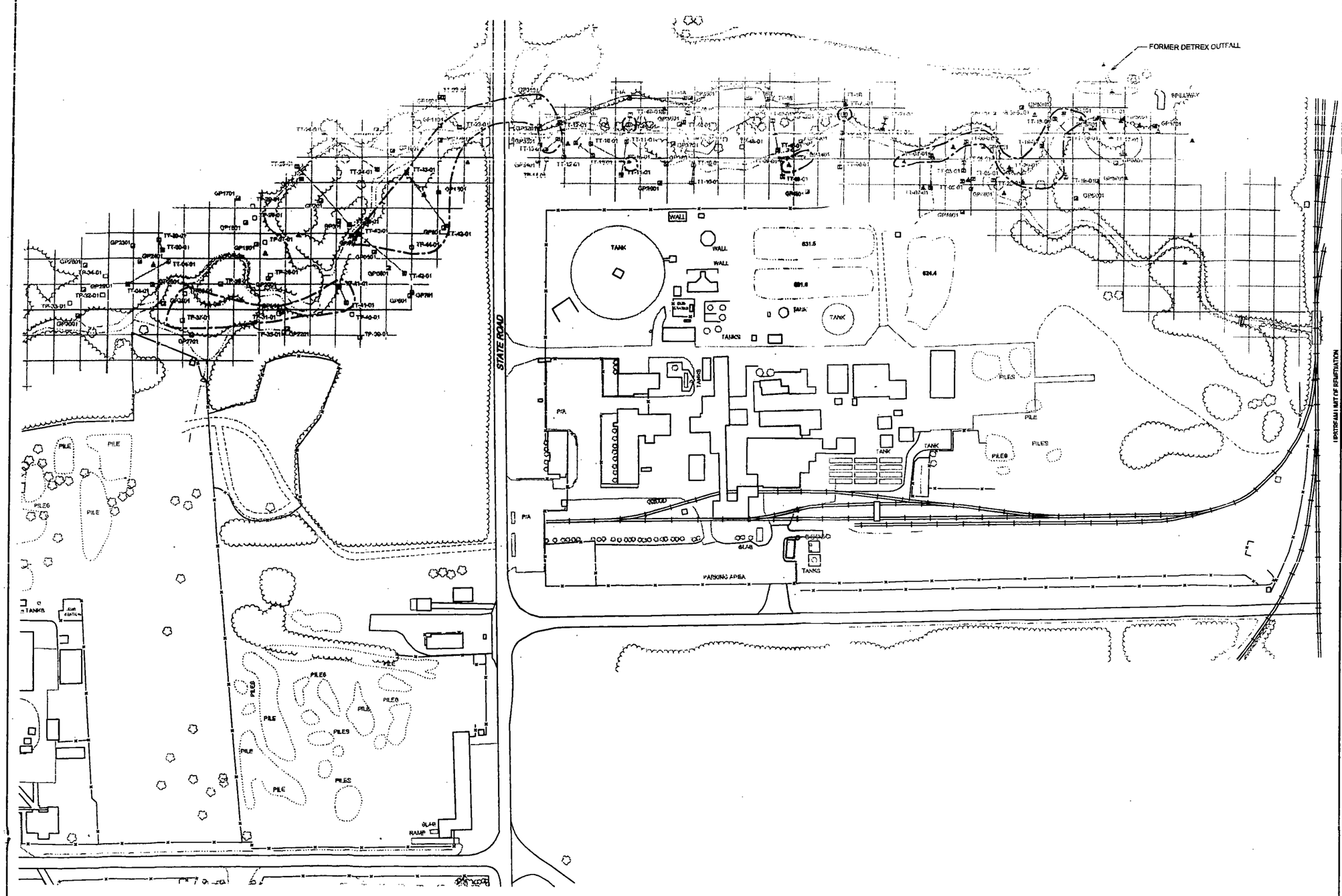
Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale: 1"=100'	Project N#: 11676-10	Report N#: PRES006	Drawing N#: figure 3

11676-10(PRES006)GN-WA006 MAR 13/2001

ESTIMATED VOLUME OF IMPACTED SOIL = 5,220 CUBIC YARDS
(BASED ON OBSERVED EXTENT OF DNAPL)

EU6

EU8



NO	Revision	Date	Initial

N

0 50 100ft

LEGEND

- FIELDS BROOK
- APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION (PHASE I INVESTIGATION)
- SURVEYED TEST PIT LOCATION (PHASE II INVESTIGATION)
- SURVEYED TEST TRENCH LOCATION (PHASE II INVESTIGATION)
- SURVEYED GEOPROBE LOCATION (PHASE III INVESTIGATION)
- APPROXIMATE LIMIT OF LIQUID DNAPL

APPROXIMATE LIMIT OF REMEDIATION

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FIELDS BROOK SITE
ASHTABULA, OHIO

DELINEATION OF DNAPL IMPACTED AREAS

EXTENT OF LIQUID DNAPL BASED ON PHASE I, II, AND III SAMPLING

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BECHTEL ASSOCIATES PROFESSIONAL CORPORATION - OHIO

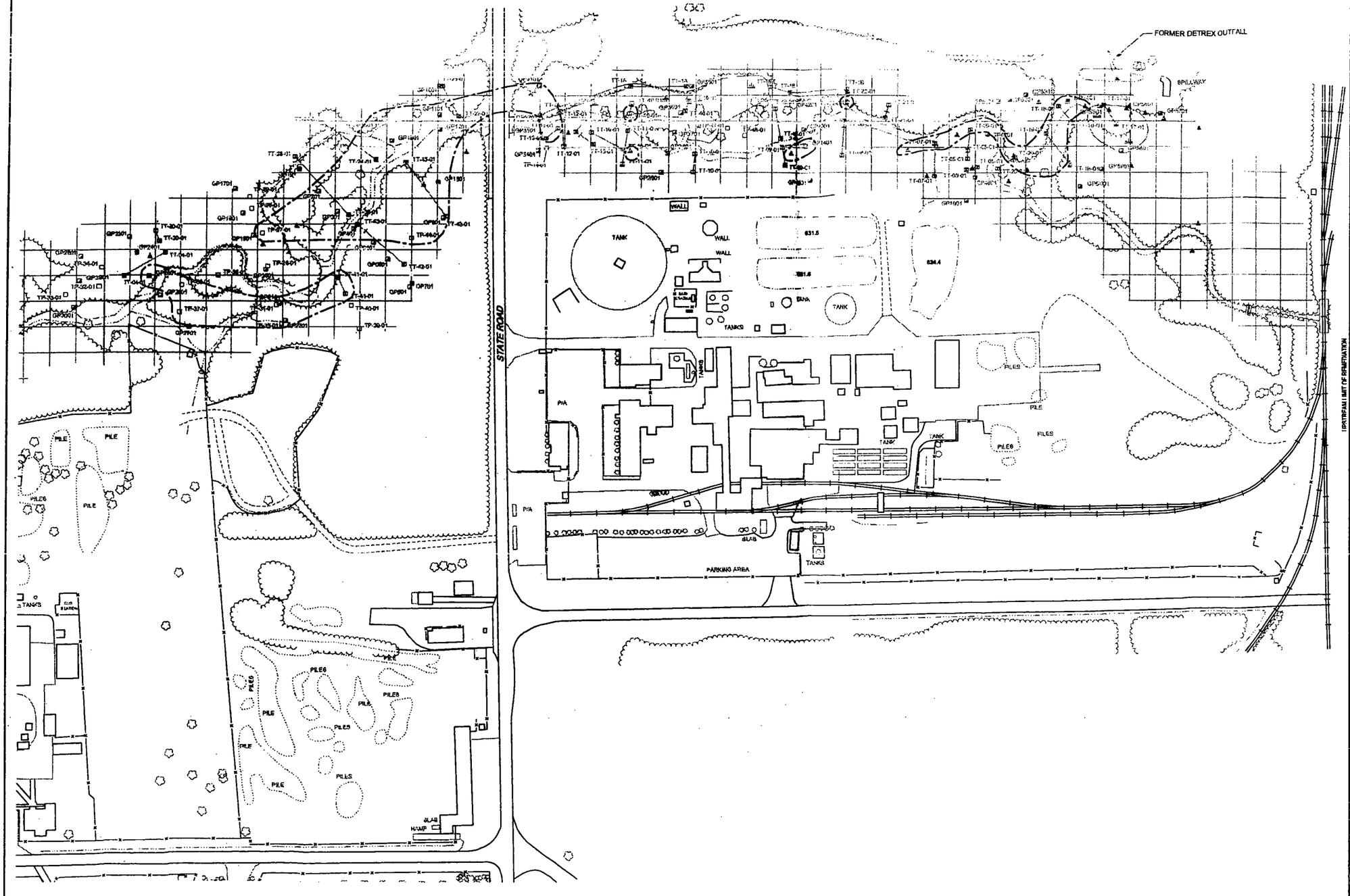
Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale: 1"=100'	Project N#: 11676-10	Report N#: PRES006	Drawing N#: figure 4

11676-10(PRES006)GN-WA003 MAR 13/2001

ESTIMATED VOLUME OF IMPACTED SOIL = 10,580 CUBIC YARDS
(BASED ON OBSERVED DNAPL AND SOU CUG VALUES)

EU6

EU8



NO	Revision	Date	Initial

0 50 100ft

LEGEND

- FIELDS BROOK
- APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION (PHASE I INVESTIGATION)
- TP-35-01 SURVEYED TEST PIT LOCATION (PHASE II INVESTIGATION)
- TT-10-01 SURVEYED TEST TRENCH LOCATION (PHASE II INVESTIGATION)
- SURVEYED GEOPROBE LOCATION (PHASE III INVESTIGATION)
- APPROXIMATE LIMIT OF IMPACTED MATERIALS

APPROXIMATE LIMIT OF REMEDIATION

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FIELDS BROOK SITE
ASHTABULA, OHIO

DELINEATION OF DNAPL IMPACTED AREAS

EXTENT OF IMPACTED MATERIALS BASED ON PHASE I, II, AND III SAMPLING AND SOU CUG VALUES

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BECHTEL ASSOCIATES PROFESSIONAL CORPORATION - OHIO

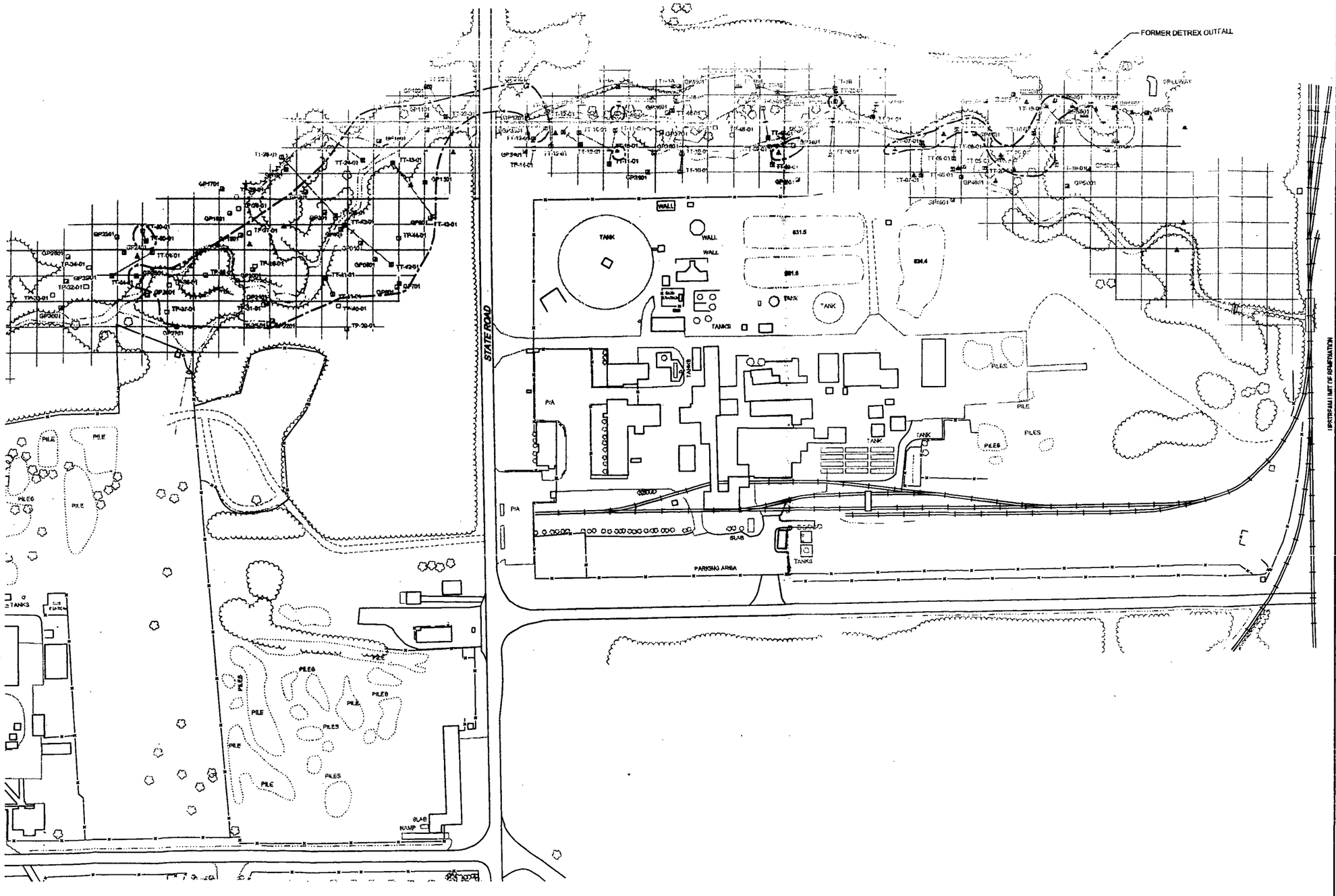
Project Manager:	Reviewed By:	Date:	
BKR	JD	MARCH 2001	
Scale: 1"=100'	Project N#: 11676-10	Report N#: PRES006	Drawing N# : figure 5

11676-10(PRES006)GN-WA004 MAR 13/2001

ESTIMATED VOLUME OF IMPACTED SOIL = 19,675 CUBIC YARDS
(BASED ON OBSERVED DNAPL AND 50% OF SOU CUG VALUES)

EU6

EU8



NO	Revision	Date	Initial

0 50 100ft

LEGEND

- FIELDS BROOK
- APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION (PHASE I INVESTIGATION)
- TP-36-01 SURVEYED TEST PIT LOCATION (PHASE II INVESTIGATION)
- TT-11-01 SURVEYED TEST TRENCH LOCATION (PHASE II INVESTIGATION)
- SURVEYED GEOPROBE LOCATION (PHASE III INVESTIGATION)
- APPROXIMATE LIMIT OF IMPACTED MATERIALS

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FIELDS BROOK SITE
ASHTABULA, OHIO

DELINEATION OF DNAPL IMPACTED AREAS

EXTENT OF IMPACTED MATERIALS BASED ON
PHASE I, II, AND III SAMPLING AND 50% SOU CUG VALUES

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:
BECHTEL ASSOCIATES PROFESSIONAL CORPORATION - OHIO

Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale: 1"=100'	Project N#: 11676-10	Report N#: PRES006	Drawing N#: figure 6

11676-10(PRES006)GN-WA005 MAR 13/2001

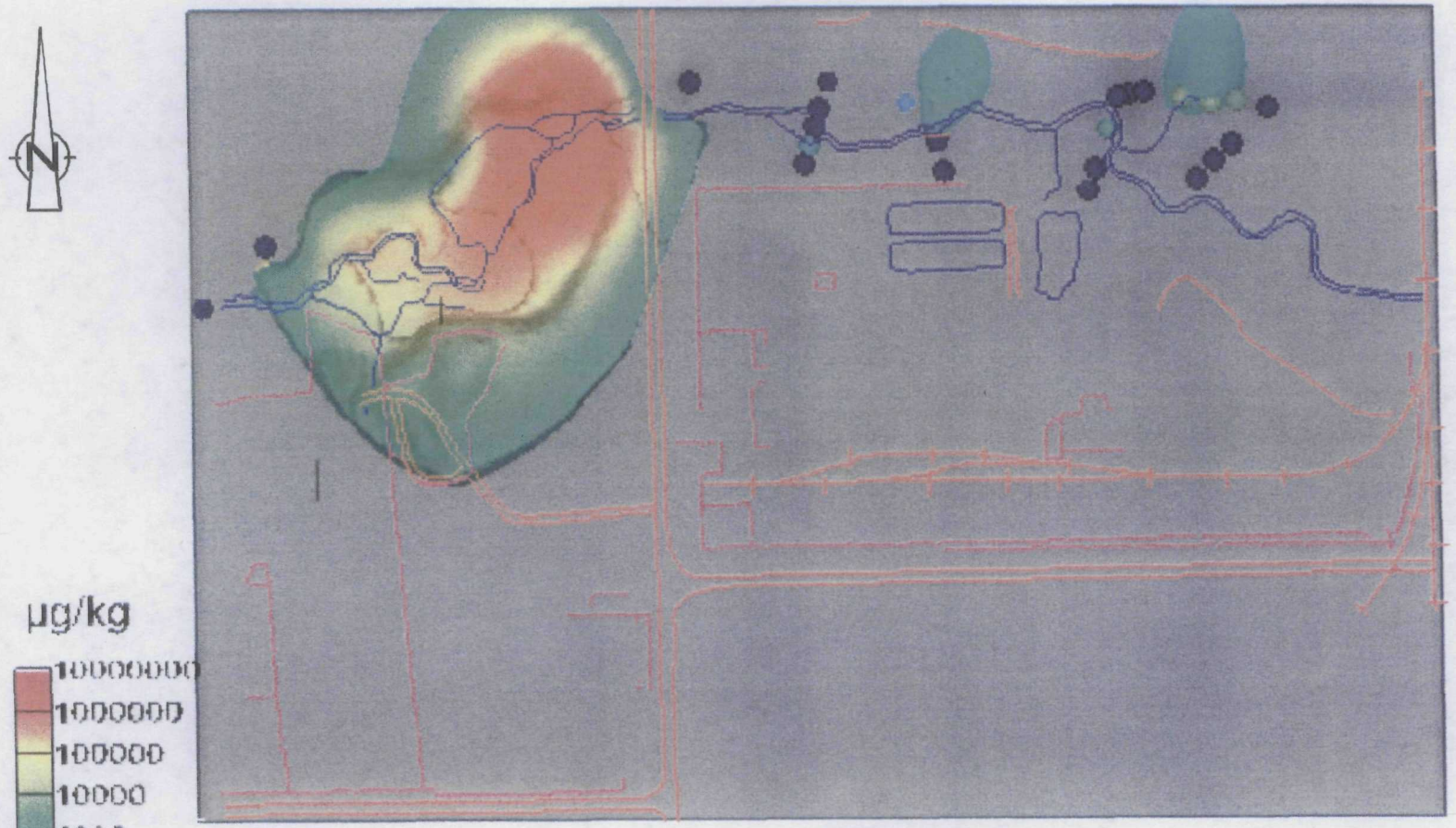


figure 7

MODEL GENERATED PLUME OF
TRICHLOROETHENE
FIELDS BROOK SITE
Ashtabula, Ohio

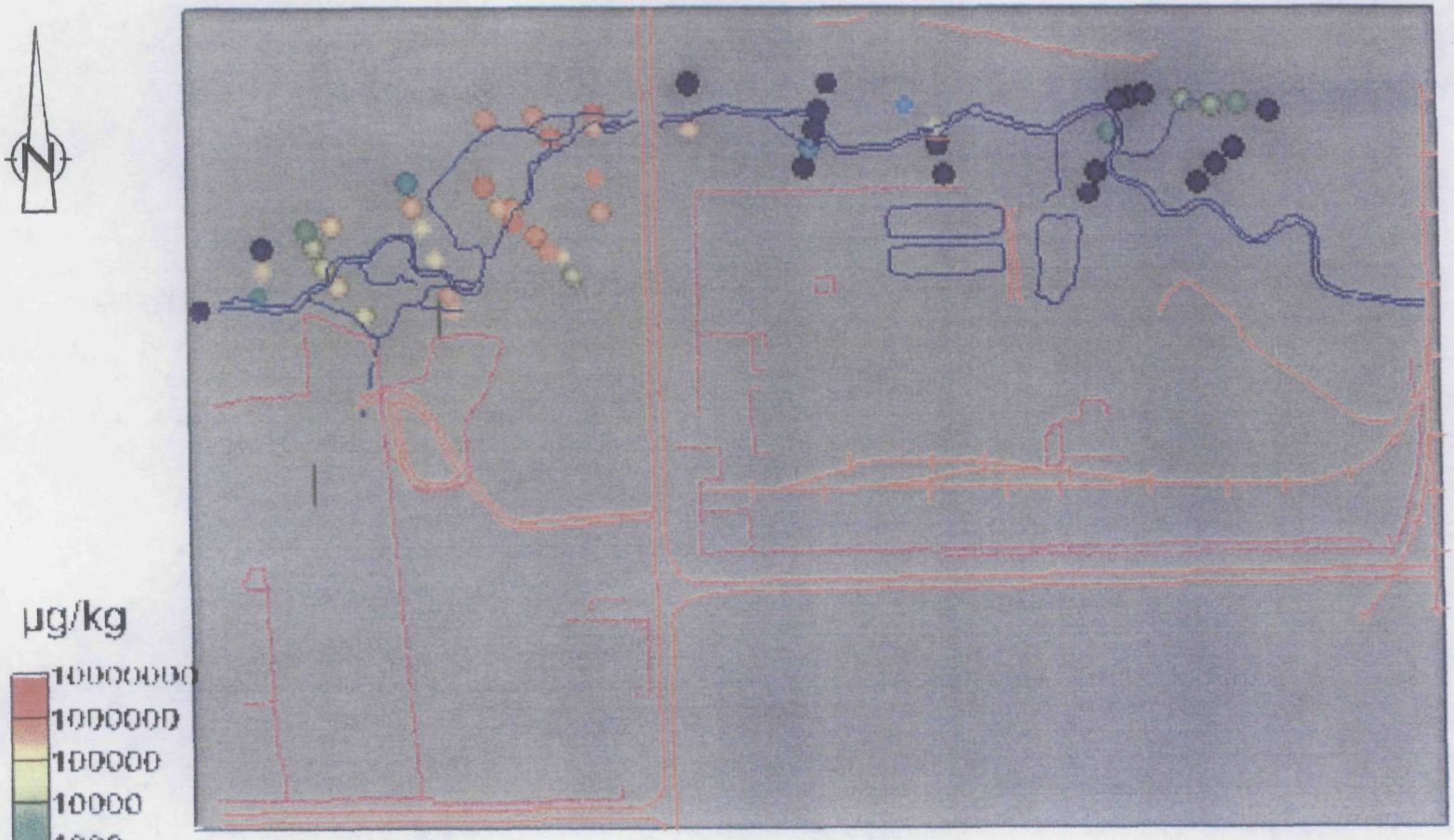


figure 8

MODEL GENERATED PLUME OF TRICHLOROETHENE CONCENTRATIONS IN EXCEEDANCE OF THE CUGs
FIELDS BROOK SITE
Ashtabula, Ohio

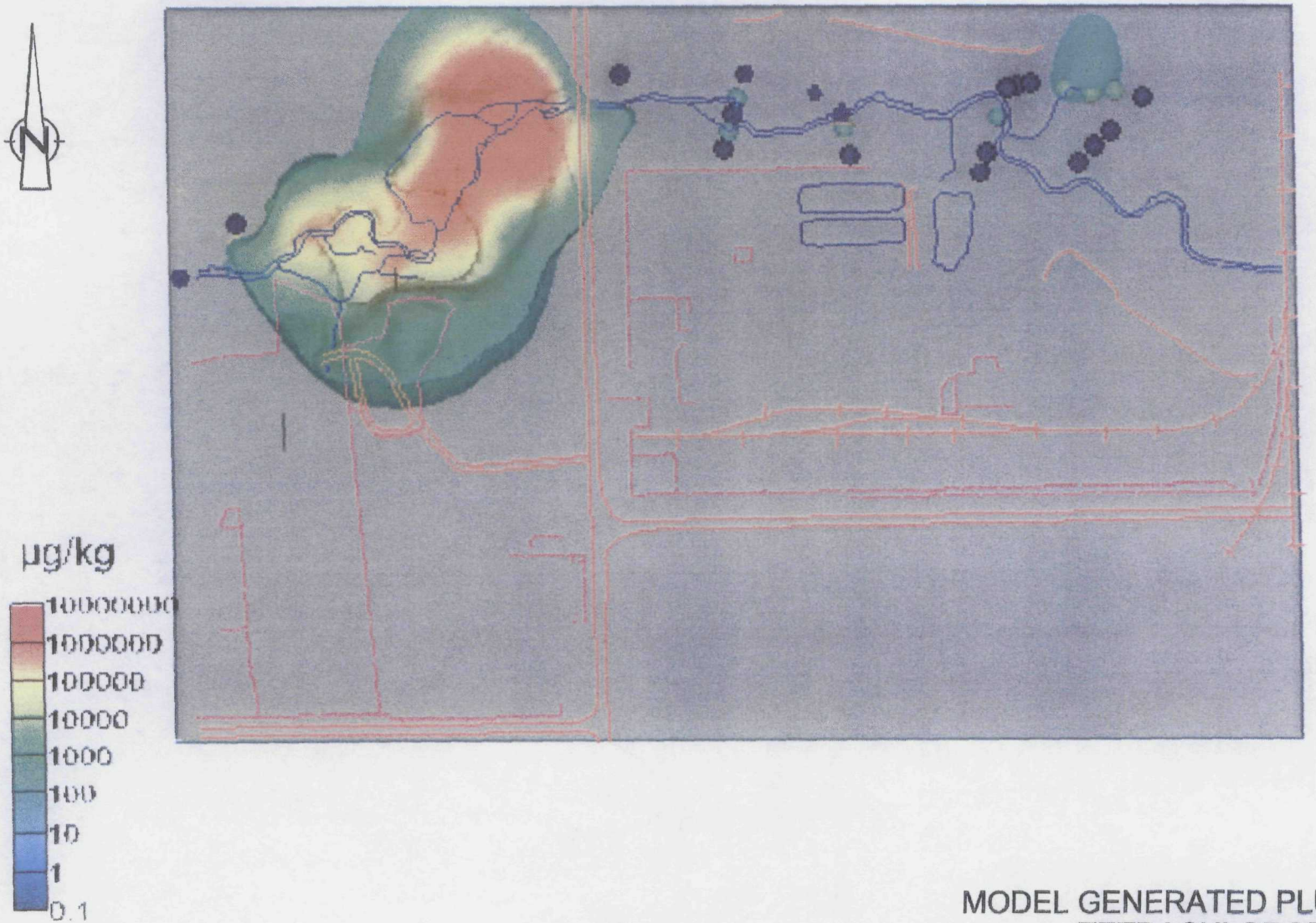


figure 9

MODEL GENERATED PLUME OF
TETRACHLOROETHENE
FIELDS BROOK SITE
Ashtabula, Ohio

11676-10(PRES006)GN-WA012 MAR 12/2001

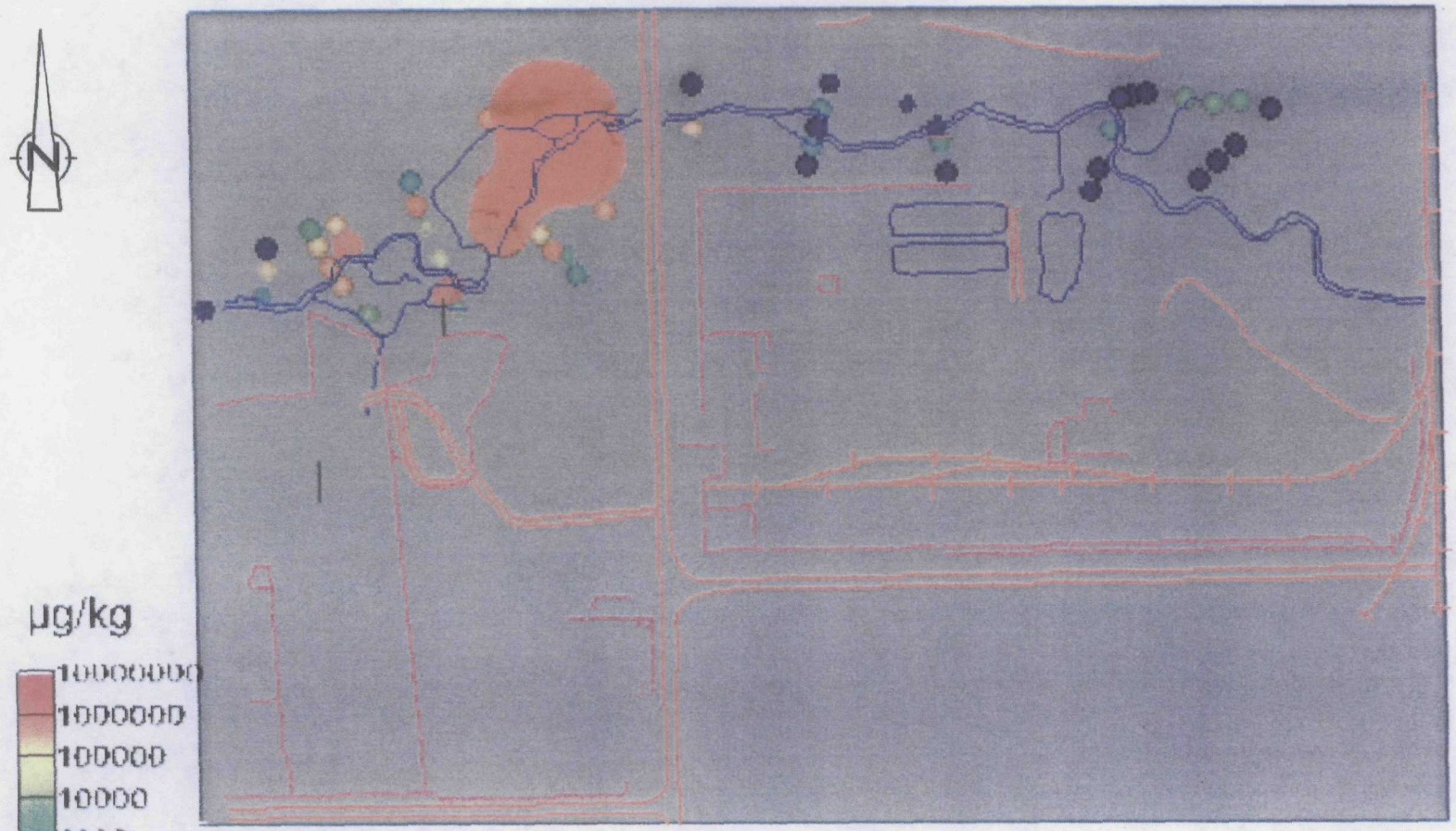
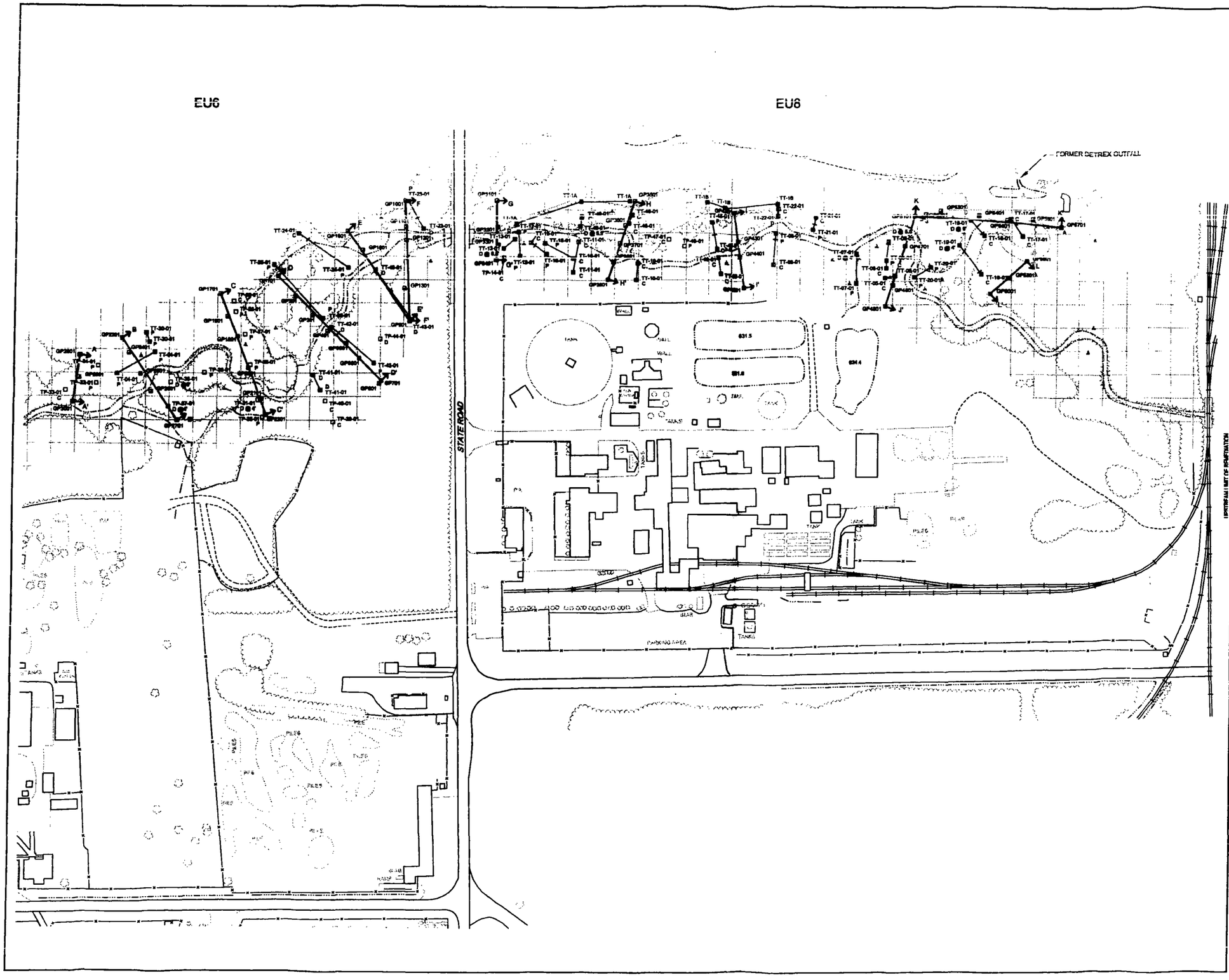


figure 10

MODEL GENERATED PLUME OF TETRACHLOROETHENE
CONCENTRATIONS IN EXCEEDANCE OF THE CUGs
FIELDS BROOK SITE
Ashtabula, Ohio

SECTION 2
CROSS-SECTIONS OF GEOPROBE BORINGS

FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO



Nº	Revision	Date	Initial

LEGEND

- FIELDS BROOK
- APPROXIMATE LOCATION OF PRELIMINARY TEST PIT LOCATION (PHASE I INVESTIGATION)
- TP-35-01 SURVEYED TEST PIT LOCATION (PHASE II INVESTIGATION)
- TT-19-01 SURVEYED TEST TRENCH LOCATION (PHASE II INVESTIGATION)
- D DNAPL FOUND
- P HIGH PID READING
- C CLEAN AREA
- SURVEYED GEOPROBE LOCATION (PHASE III INVESTIGATION)
- A A' CROSS SECTION LOCATION

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FIELDS BROOK SITE
ASHTABULA, OHIO

DELINEATION OF DNAPL IMPACTED AREAS

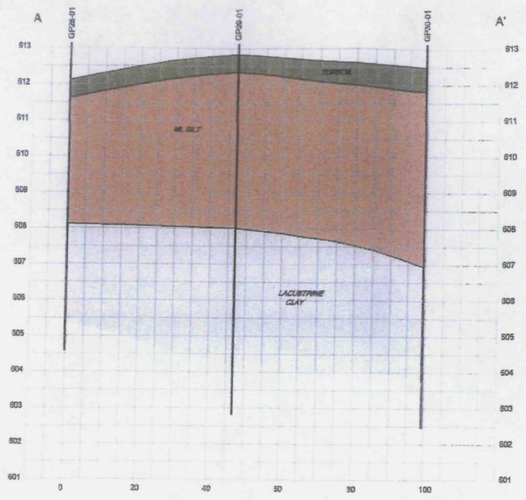
CROSS SECTION LOCATIONS EU6 AND EU8

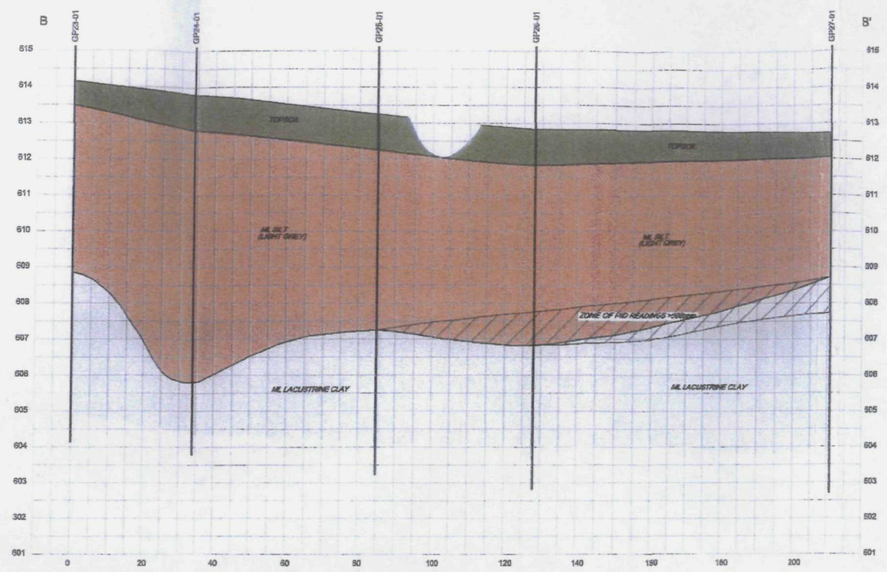
CONESTOGA-ROVERS & ASSOCIATES

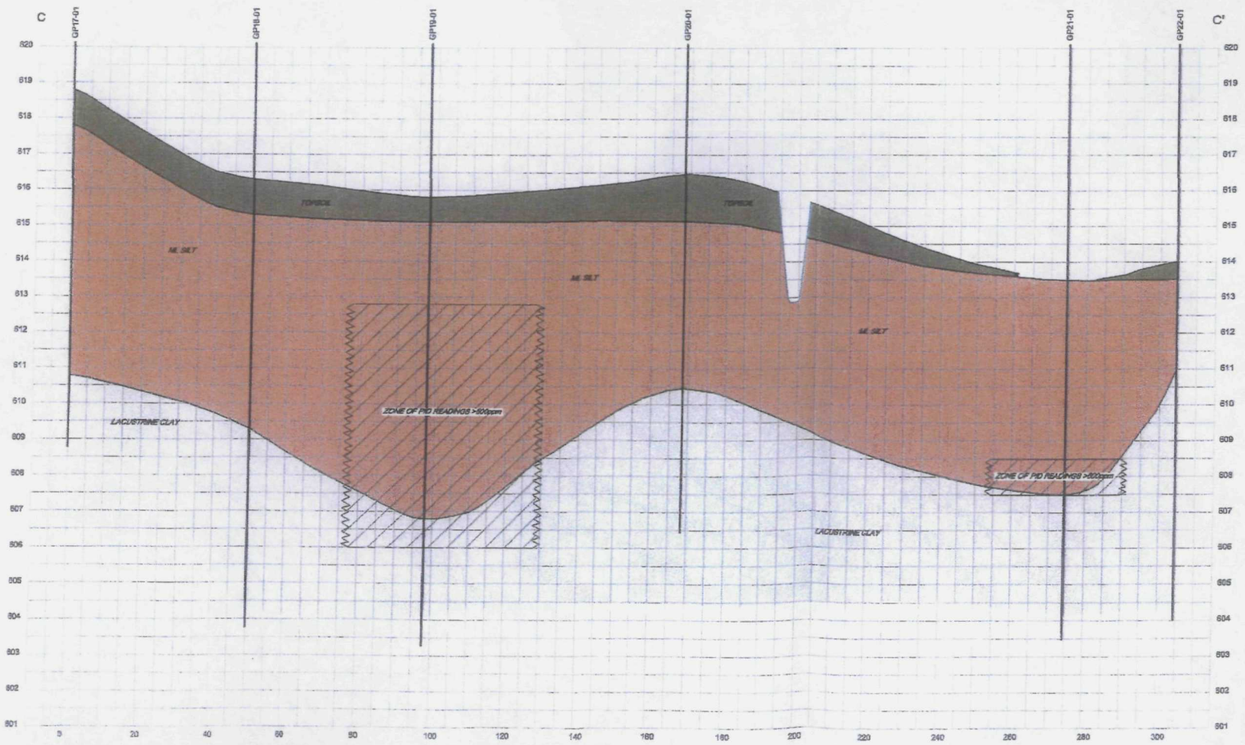
Source Reference:
BECHTEL ASSOCIATES PROFESSIONAL CORPORATION - OHIO

Project Manager:	Reviewed By:	Date:	
IKR	JO	MARCH 2001	
Scale: 1"=100'	Project Nº: 11676-10	Report Nº: PRES006	Drawing Nº: figure 1

11676-10(PRES006)GN-WA018 MAR 12/2001







No	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SECTIONS A-A', B-B' AND C-C'
EXPOSURE UNIT 6

FIELDS BROOK SUPERFUND SITE

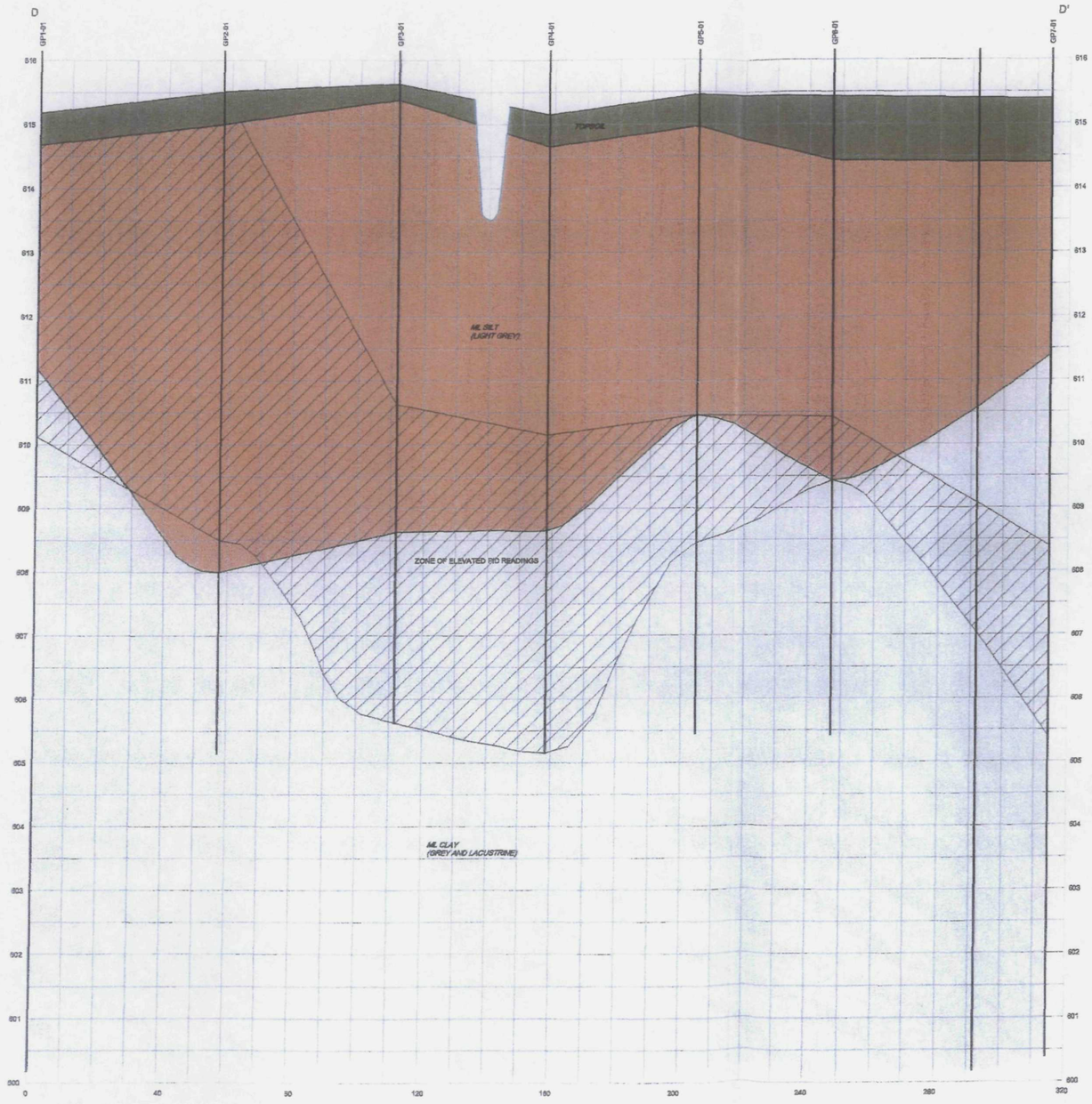
ASHTABULA, OHIO

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale: 1"=40' HORIZ. 1"=20' VERT.	Project No.: 11676-10	Report No.: PRES006	Drawing No.: figure 2

11676-10(PRES006)GN-WA009 MAR 12/2001



No	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SECTION D-D'
EXPOSURE UNIT 6

FIELDS BROOK SUPERFUND SITE

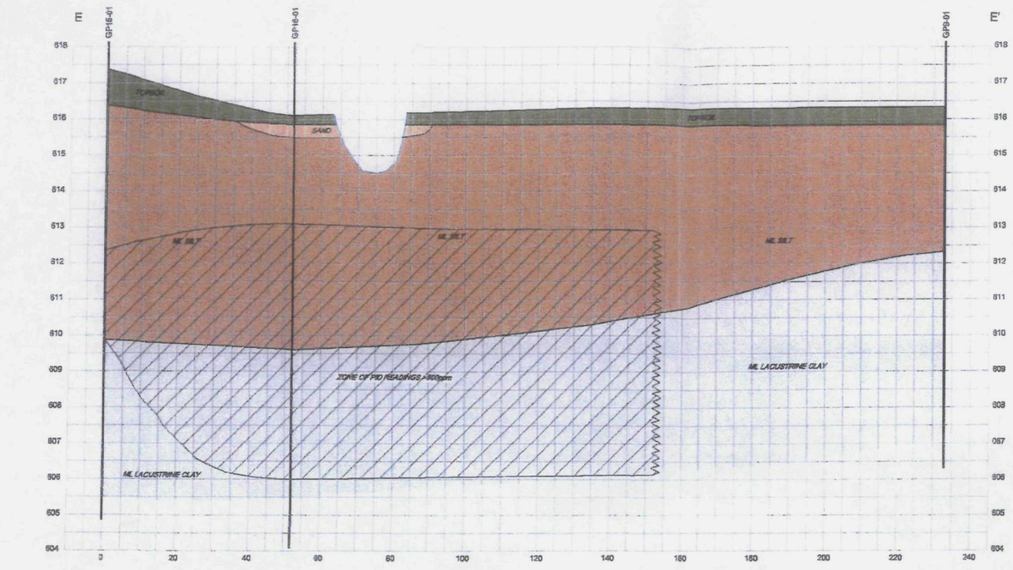
ASHTABULA, OHIO

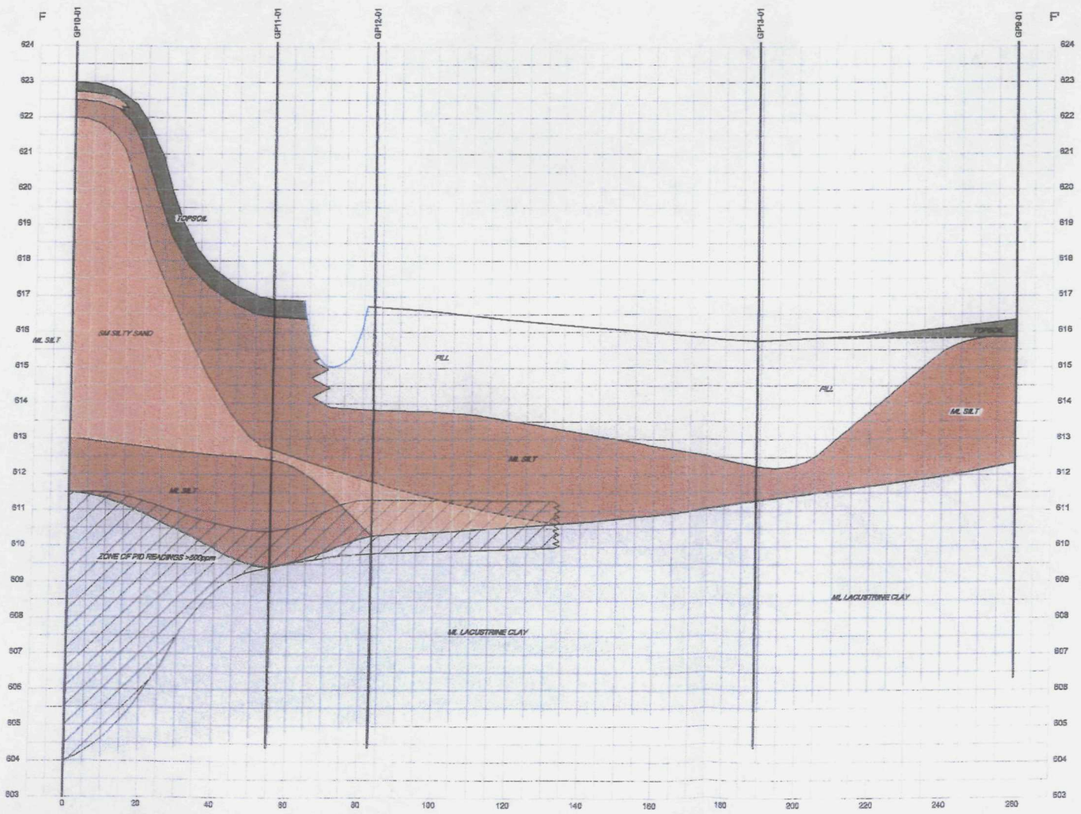
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale: 1"=20' HORIZ. 1"=10' VERT.	Project No: 11676-10	Report No: PRES006	Drawing No: figure 3

11676-10(PRES006)GN-WA016 MAR 12/2001





NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SECTIONS E-E' AND F-F'
EXPOSURE UNIT 6

FIELDS BROOK SUPERFUND SITE

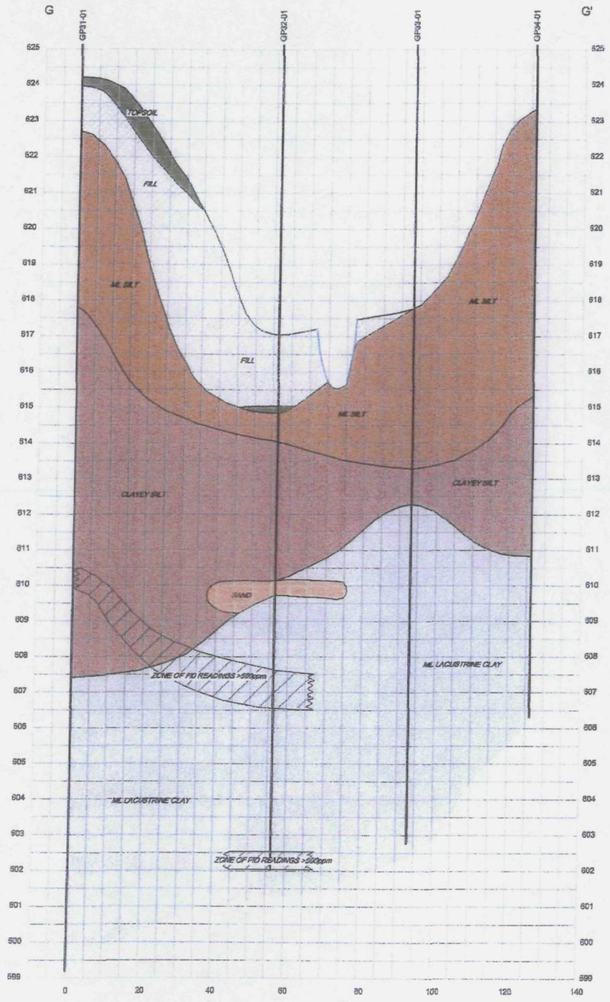
ASHTABULA, OHIO

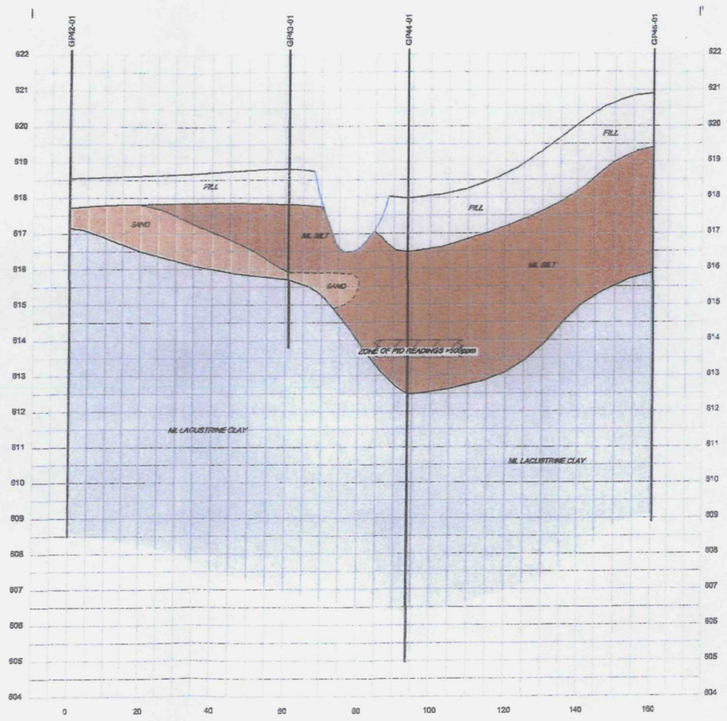
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
RKR	JD	MARCH 2001	
Scale: 1"=40' HORIZ. 1"=20' VERT.	Project N#: 11676-10	Report N#: PRES006	Drawing N#: figure 4

11676-10(PRES006)GN-WA017 MAR 12/2001





NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SECTIONS G-G' AND I-I'
EXPOSURE UNIT 8

FIELDS BROOK SUPERFUND SITE

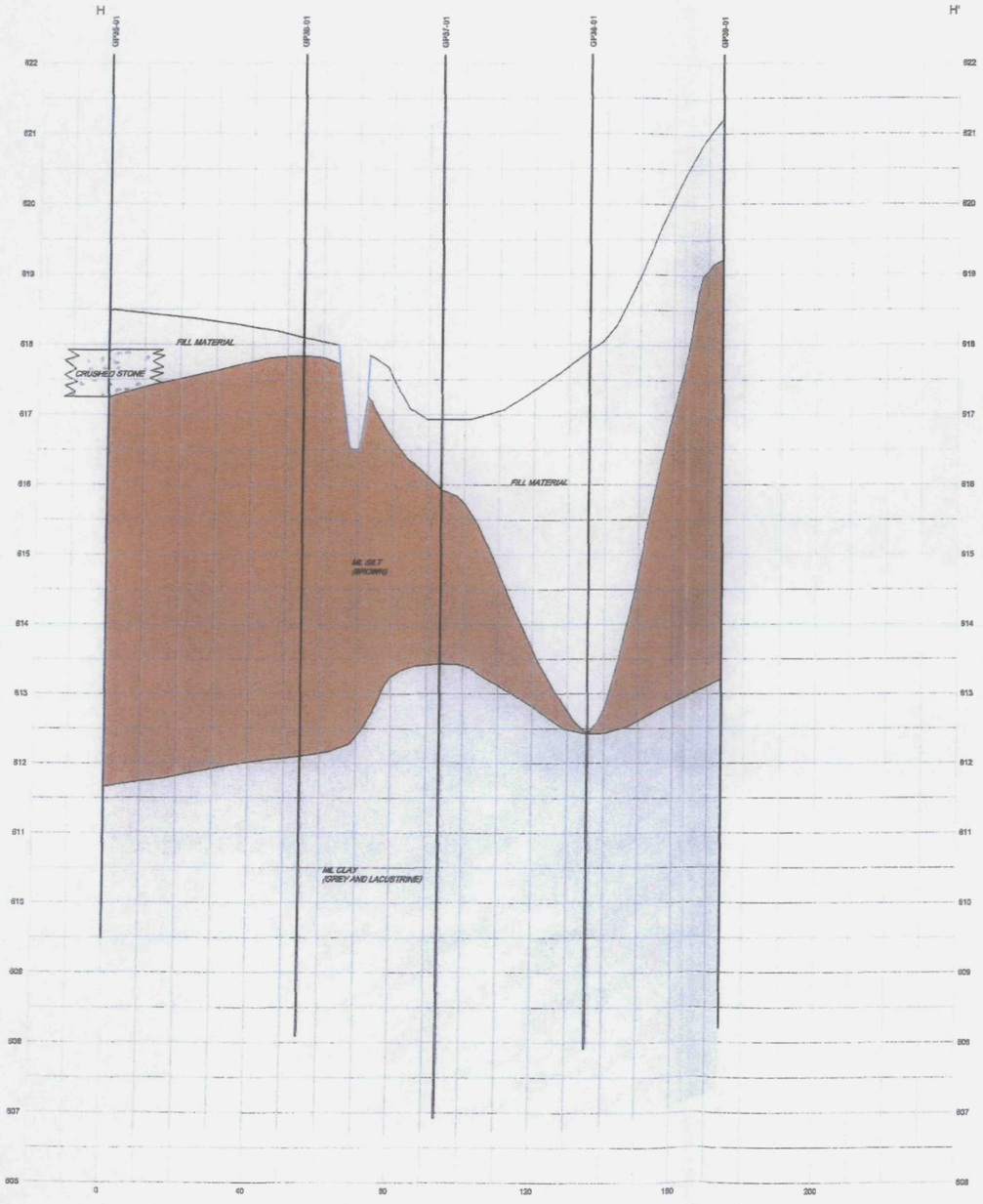
ASHTABULA, OHIO

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale: 1"=40' HORIZ. 1"=20' VERT.	Project No.: 11676-10	Report No.: PRES006	Drawing No.: figure 5

11676-10(PRES006)GN-WA01S MAR 12/2001



NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SECTION H-H'
EXPOSURE UNIT 8

FIELDS BROOK SUPERFUND SITE

ASHTABULA, OHIO

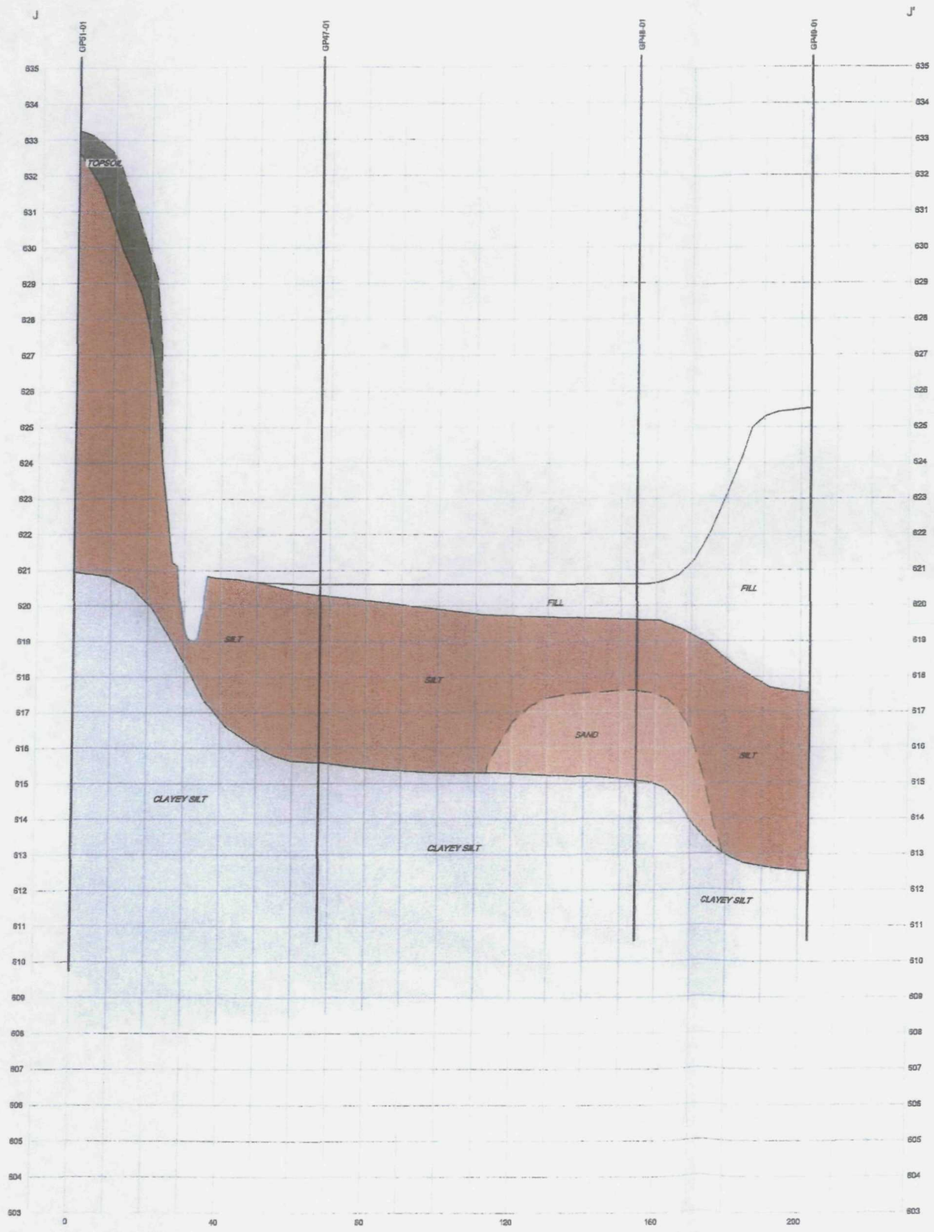
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:
IKR	JD	MARCH 2001

Scale:	Project No:	Report No:	Drawing No:
1"=20' HORIZ. 1"=10' VERT.	11676-10	PRES006	figure 6

11676-10(PRES006)GN-WA010 MAR 13/2001



NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SECTION J-J'
EXPOSURE UNIT 8

FIELDS BROOK SUPERFUND SITE

ASHTABULA, OHIO

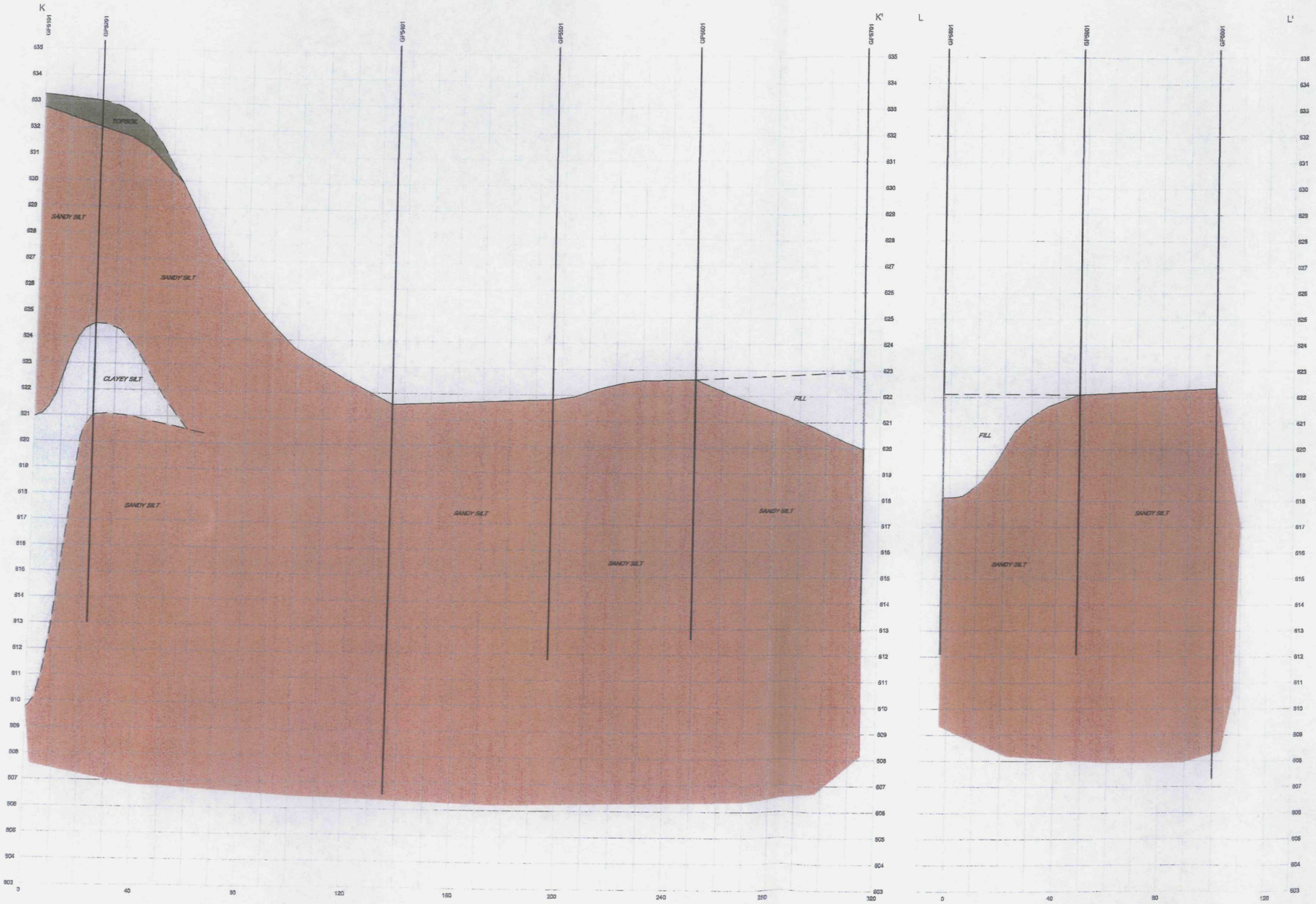
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:
HKR	JD	MARCH 2001

Scale:	Project No:	Report No:	Drawing No:
1"=20' HORIZ. 1"=20' VERT.	11676-10	PRES006	figure 7

11676-10(PRES006)GN-WA014 MAR 12/2001



NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

SECTIONS K-K' AND L-L'
EXPOSURE UNIT 8

FIELDS BROOK SUPERFUND SITE

ASHTABULA, OHIO

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
IKR	JD	MARCH 2001	
Scale: 1"=20' HORIZ. 1"=20' VERT.	Project N#: 11676-10	Report N#: PRES006	Drawing N#: figure 8

\11676-10(PRES006)GN-WA008 MAR 2/2001

SECTION 3
ANALYTICAL DATA SUMMARY TABLES

FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

TABLE 1

TEST PIT INVESTIGATION SAMPLE KEY
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Sample ID	*Location*	*Sample Date*	*Sample Depth (feet bgs)*	*Matrix*	*Parameters*		*PID Field (ppm)*	*PID Headspace (ppm)*	*Comments*
					VOCs SVOCs	*Radium,Uranium Thorioum*			
S-11676-160101-DRD-001	TT-24-01	Jan 16/01	6	soil	x		50	1000	
S-11676-160101-DRD-002	TT-25-01	Jan 16/01	5.5	soil	x		150	1800-2000	
S-11676-160101-DRD-003	TT-25-01	Jan 16/01	10	soil	x		150-200	10000+	
S-11676-160101-DRD-004	TP-27-01	Jan 16/01	12	soil	x		200+	10000+	
S-11676-170101-DRD-005 MS, MSD	TT-30-01	Jan 17/01	5.5	soil	x		14	400	
S-11676-170101-DRD-006	TT-30-01	Jan 17/01	12	soil	x	x	150 after 20 min	10000+	
S-11676-170101-DRD-007	TP-03-01	Jan 17/01	4 - 6	soil	x		4	60-70	
S-11676-170101-DRD-008	TP-35-01	Jan 17/01	5	soil	x		50 when sampled	1100	3000+ initial field headspace
S-11676-170101-DRD-009	TT-42-01	Jan 17/01	7.5	soil	x	x	5 - 15	7600	
S-11676-170101-DRD-010 (dupe #009)	TT-42-01	Jan 17/01	7.5	soil	x		5 - 15	7600	
S-11676-180101-DRD-011	TT-45-01	Jan 18/01	5	soil	x	x	0	15	
S-11676-180101-DRD-012	TT-45-01	Jan 18/01	10	soil	x	x	50 - 100	1200	
S-11676-180101-DRD-013	TT-16-01	Jan 18/01	9.5	soil	x	x	10 - 15	50	
S-11676-180101-DRD-014	see comments	Jan 18/01	NR	soil		x	NR	NR	sample 3+4 combined

TABLE 1

FINAL TEST PIT AND TEST TRENCH ANALYTICAL DATA
DNAPL INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	TT-03-01	TT-16-01	TT-24-01	TT-25-01	TT 25-01	TF-27-01	TT-30-01	TT-30-01	TP-35-01	TT-42-01	TT-42-01	TT-45 01	TT 45 01
Depth	Occupational	4-6 ft.	9.5 ft.	6 ft.	5.5 ft.	10 ft.	12 ft.	5.5 ft.	12 ft.	5 ft.	7.5 ft.	7.5 ft.	5 ft.	10 ft.
Sample I.D. (S-11676-)	Soil	170101-DRD-007	160101-DRD-013	160101-DRD-001	160101-DRD-002	160101-DRD-003	160101-DRD-004	170101-DRD-005	170101-DRD-006	70101-DRD-008	170101-DRD-009	170101-DRD-010	180101-DRD-011	180101-DRD-012
Sample Date		01/17/2001	01/18/2001	01/16/2001	01/16/2001	01/16/2001	01/16/2001	01/17/2001	01/17/2001	01/17/2001	01/17/2001	01/17/2001	01/18/2001	01/18/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
Semi-Volatile Organic Compounds														
1,2,4-Trichlorobenzene	85,167,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
1,2-Dichlorobenzene	766,500,000	ND(50)	ND(50)	93	ND(50)	ND(50)	500	ND(50)	790	560	ND(50)	ND(50)	ND(50)	ND(50)
1,3-Dichlorobenzene	–	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
1,4-Dichlorobenzene	994,000	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
2,4,5-Trichlorophenol	–	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)
2,4,6-Trichlorophenol	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,4-Dichlorophenol	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,4-Dimethylphenol	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,4-Dinitrophenol	–	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)
2,4-Dinitrotoluene	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2,6-Dinitrotoluene	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-Chloronaphthalene	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-Chlorophenol	42,583,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-Methylnaphthalene	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-Methylphenol	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
2-Nitroaniline	–	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)
2-Nitrophenol	–	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)
3&4-Methylphenol	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
3,3'-Dichlorobenzidine	–	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)	ND(2000)
3-Nitroaniline	–	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)
4,6-Dinitro-2-methylphenol	–	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)
4-Bromophenyl phenyl ether	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
4-chloro-3-methylphenol	–	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)	ND(1300)
4-Chloroaniline	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
4-Chlorophenyl phenyl ether	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
4-Nitroaniline	–	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)	ND(1700)
4-Nitrophenol	–	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)	ND(800)
Acenaphthene	511,000,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Acenaphthylene	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Anthracene	2,555,000,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Benzo(a)anthracene	33,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Benzo(a)pyrene	3,300	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Benzo(b)fluoranthene	33,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Benzo(g,h,I)perylene	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Benzo(k)fluoranthene	33,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Bis(2-chloroethoxy)methane	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Bis(2-chloroethyl)ether	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Bis(2-chloroisopropyl)ether	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Bis(2-ethylhexyl)phthalate	1,703,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Butyl benzyl phthalate	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Carbazole	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Chrysene	327,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Di-n-butyl phthalate	851,667,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Di-n-octyl phthalate	170,333,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Dibenz(a,h)anthracene	3,300	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Dibenzofuran	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Diethyl phthalate	6,813,333,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Dimethyl phthalate	851,667,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Fluoranthene	340,667,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Fluorene	340,667,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Hexachlorobenzene	15,000	ND(330)	3,000	ND(330)	ND(330)	330	1,000	ND(330)	5,200	640	ND(330)	ND(330)	ND(330)	ND(330)
Hexachlorobutadiene	306,000	ND(330)	5,900	ND(330)	ND(330)	ND(330)	2,100	ND(330)	12,000	1,600	ND(330)	ND(330)	ND(330)	ND(330)
Hexachlorocyclopentadiene	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Hexachloroethane	1,703,000	ND(100)	6,600	ND(100)	ND(100)	120	4,400	ND(100)	4,100	760	ND(100)	ND(100)	ND(100)	ND(100)
Indeno(1,2,3-cd)pyrene	33,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)

TABLE 1

FINAL TEST PIT AND TEST TRENCH ANALYTICAL DATA
DNAPL INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	TT-03-01	TT-16-01	TT-24-01	TT-25-01	TT-25-01	TP-27-01	TT-30-01	TT-30-01	TP-35-01	TT-42-01	TT-42-01	TT-45-01	TT-45-01
Depth	Occupational	4-6 ft.	9.5 ft.	6 ft.	5.5 ft.	10 ft.	12 ft.	5.5 ft	12 ft.	5 ft	7.5 ft	7.5 ft	5 ft.	10 ft.
Sample I.D. (S-11676-)	Soil	170101 DRD 007	160101-DRD 013	160101 DRD 001	160101 DRD 002	160101 DRD-003	160101-DRD-004	170101 DRD 005	170101 DRD 006	70101-DRD-009	[illegible]-DRD 003	170101 DRD 010	160101 DRD 011	160101 DRD 012
Sample Date		01/17/2001	01/18/2001	01/16/2001	01/16/2001	01/16/2001	01/16/2001	01/17/2001	01/17/2001	01/17/2001	01/17/2001	01/17/2001	01/18/2001	01/18/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
Isophorone	25,102,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
N-Nitrosodi-n-propylamine	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
N-Nitorsodiphenylamine	4,867,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Naphthalene	340,667,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Nitrobenzene	4,258,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Pentachlorophenol	–	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)	ND(3400)
Phenanthrene	–	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Phenol	5,110,000,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Pyrene	2,555,000,000	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)	ND(330)
Volatile Organic Compounds														
1,1,1,-Trichloroethane	766,500,000	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
1,1,2,2-Tetrachloroethane	119,000	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	3,100	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	940
1,1,2-Trichlorotethane	418,000	ND(5)	ND(5)	280	490	ND(120)	3,700	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	28
1,1-Dichloroethane	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
1,1-Dichloroethene	40,000	ND(5)	ND(5)	570	840	1,500	2,600	ND(120)	1,200	290	2,100	1,500	ND(5)	35
1,2-Dichloroethane	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
1,2-Dichloroethene (Total)	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1,2-Dichloropropane	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
2-Butanone	–	ND(20)	ND(20)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(20)	ND(100)
2-Hexanone	–	ND(10)	ND(10)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(10)	ND(50)
4-Methyl-2-pentanone	–	ND(10)	ND(10)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(6200)	ND(10)	ND(50)
Acetone	–	ND(100)	ND(100)	ND(12000)	ND(12000)	ND(12000)	ND(12000)	ND(12000)	ND(12000)	ND(12000)	ND(12000)	ND(12000)	ND(100)	ND(500)
Benzene	822,000	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Bromodichloromethane	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Bromoform	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Bromomethane	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Carbon disulfide	–	ND(5)	ND(5)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(5)	ND(25)
Carbon tetrachloride	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Chlorobenzene	170,333,000	ND(5)	ND(5)	440	400	ND(120)	1,400	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	78
Chloroethane	–	ND(10)	ND(10)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(10)	ND(50)
chloroform	3,909,000	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
chloromethane	–	ND(10)	ND(10)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(1200)	ND(10)	ND(50)
cis-1,2-Dichloroethene	–	ND(5)	ND(5)	3,900	4,600	3,200	7,400	430	1,700	6,900	3,900	3,700	ND(5)	590
cis-1,3-Dichloropropene	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
dibromochloromethane	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Ethylbenzene	851,667,000	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Methylene chloride	3,180,000	ND(5)	ND(5)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(620)	ND(5)	ND(25)
Styrene	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Tetrachloroethene	459,000	ND(5)	21	210,000	110,000	1,600	970,000	110,000	1,200,000	640,000	3,800	500	ND(5)	43,000
Toluene	1,703,333,000	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
trans-1,2-Dichloroethene	170,333,000	ND(5)	ND(5)	580	830	580	1,800	ND(120)	320	320	ND(120)	ND(120)	ND(5)	190
trans-1,3-Dichloropropene	–	ND(5)	ND(5)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(5)	ND(25)
Trichloroethene	2,168,000	ND(5)	11	270,000	260,000	190,000	770,000	110,000	580,000	200,000	110,000	140,000	7	120,000
Vinyl chloride	13,000	17	ND(10)	ND(120)	ND(120)	ND(120)	610	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	ND(10)	ND(50)
Xylenes (Total)	–	ND(5)	ND(5)	ND(380)	ND(380)	ND(380)	ND(380)	ND(380)	ND(380)	ND(380)	ND(380)	ND(380)	ND(5)	ND(25)
General Chemistry														
Percent Moisture (%)		–	–	–	–	–	–	–	–	–	–	–	–	–

Notes:
ND (300) Parameter was not detected at or above the associated detection limit.
300 Parameter exceeds the Site Specific Clean-up Goals for Occupational Soils.
- - No value is associated with this parameter.

TABLE 1

SOIL BORING SAMPLE KEY
TCLP SAMPLES FROM JANUARY30, 2001 - FEBRUARY 4, 2001
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Sample Location	Sample ID Number	Sample Depth (ft. bgs)	Sample Date	Sample Time	Sample Method	Soil Sample Location	Analysis (TCL) VOCs	Analysis (TCL) SVOCs
GP01-01	S-11676-013001-DG01	8 - 10	01/30/01	15:30	Geoprobe, Grab	ML Clayey Silt (Lacustrine)	X	X
GP02-01	S-11676-013001-DG02	6 - 7.5	01/30/01	16:30	Geoprobe, Grab	ML - Silt with Clay, Trace of Fine Sand, Trace of Gravel, Light Gray	X	X
GP03-01	S-11676-013001-DG03	7 - 7.5	01/30/01	17:10	Geoprobe, Grab	CL Silty Clay (Lacustrine), Trace of Fine Sand	X	X
GP04-01	S-11676-013101-DG04	6.5 - 7	01/31/01	9:00	Geoprobe, Grab	ML - Clayey Silt, Fine Sand, Trace of Gravel, Gray	X	X
GP05-01	S-11676-013101-DG05	5 - 6	01/31/01	9:30	Geoprobe, Grab	ML Clayey Silt (Lacustrine) with Traces of Fine Sand, Trace of Gravel, Gray	X	X
GP06-01	S-11676-013101-DG06	6 - 6.5	01/31/01	9:55	Geoprobe, Grab	ML Clayey Silt (Lacustrine) with Fine Sand, Traces of Gravel, Gray	X	X
GP07-01	S-11676-013101-DG07	4 - 5	01/31/01	10:15	Geoprobe, Grab	ML - Clayey Silt with Fine Sand, Traces of Gravel, Gray	X	X
GP08-01	S-11676-013101-DG08	8 - 10	01/31/01	10:20	Geoprobe, Grab	ML - Clayey Silt with Fine Sand, Traces of Gravel, Gray	X	X
GP09-01	S-11676-013101-DG09	3 - 5	01/31/01	12:45	Geoprobe, Grab	ML - Silt with Clay with Fine Sand, Trace Gravel, Brown	X	X
GP10-01	S-11676-020101-DG10	15 - 17	02/01/01	9:45	Geoprobe, Grab	ML Clayey Silt (Lacustrine), Traces of Fine Sand and Gravel, Gray	X	X
GP10-01	S-11676-020101-DG11	15 - 17 Dup	02/01/01	9:45	Geoprobe, Grab	ML Clayey Silt (Lacustrine), Traces of Fine Sand and Gravel, Gray	X	X
GP11-01	S-11676-020101-DG12	6.5 - 7.5	02/01/01	10:30	Geoprobe, Grab	ML - Silt with Clay (3-inches of sand loam present	X	X
GP11-01	S-11676-020101-DG13	11.5 - 12.5	02/01/01	10:45	Geoprobe, Grab	ML - Clayey Silt with Traces of Fine Sand and Gravel, Gray	X	X
GP12-01	S-11676-020301-LD29	5.5 - 7	02/03/01	11:25	Geoprobe, Grab	ML - Sandy Silt with Traces of Gravel & Clay, Dark Gray	X	X
GP13-01	S-11676-020301-LD30	5 - 6.5	02/03/01	12:10	Geoprobe, Grab	ML - Sandy and Clayey Silt with Traces of Gravel, Gray	X	X
GP15-01	S-11676-020101-DG15	7 - 7.5	02/01/01	12:30	Geoprobe, Grab	ML - Silt with Clay, Traces of Fine Sand, Trace of Gravel, Gray	X	X
GP16-01	S-11676-020101-DG14	6.5 - 7.5	02/01/01	11:30	Geoprobe, Grab	ML Clayey Silt (Lacustrine), Traces of Fine Sand and Gravel, Gray	X	X
GP17-01	S-11676-020201-LP22	7 - 8	02/02/01	11:15	Geoprobe, Grab	ML - Clayey and Sandy Silt, Brown	X	X
GP17-01	S-11676-020201-LP23	7 - 8	02/02/01	11:20	Geoprobe, Grab	ML - Clayey and Sandy Silt, Brown	X	X
GP18-01	S-11676-020201-LP24	7.5 - 9.5	02/02/01	12:00	Geoprobe, Grab	ML - Clayey Silt (Lacustrine), Grey	X	X
GP19-01	S-11676-020201-LP25	5.5 - 7.5	02/02/01	14:40	Geoprobe, Grab	ML - Clayey and Sandy Silt, Brown	X	X
GP20-01	S-11676-020201-LP25	7 - 9	02/02/01	15:10	Geoprobe, Grab	ML - Clayey Silt (Lacustrine), Grey	X	X
GP21-01	S-11676-020301-LD27	5 - 6	02/03/01	9:25	Geoprobe, Grab	ML - Clayey and Sandy Silt with Traces of Gravel, Brown	X	X
GP22-01	S-11676-020301-LD28	4 - 5	02/03/01	10:15	Geoprobe, Grab	ML - Sandy and Clayey Silt (Lacustrine) with Traces of Gravel	X	X
GP23-01	S-11676-020101-DG19	3 - 5	02/01/01	14:30	Geoprobe, Grab	ML - Silt with Clay, Traces of Fine Sand and Gravel, Brown	X	X
GP24-01	S-11676-020201-LP20	5.5 - 7.5	02/02/01	9:00	Geoprobe, Grab	ML - Clayey Silt, Brown	X	X
GP25-01	S-11676-020201-LP21	5 - 6	02/02/01	10:15	Geoprobe, Grab	ML - Clayey Silt, Brown	X	X
GP26-01	S-11676-020301-LD31	5 - 6	02/03/01	15:35	Geoprobe, Grab	ML - Sandy Silt with Some Clay and Traces of Gravel, Brown	X	X
GP27-01	S-11676-020301-LD32	4 - 5	02/03/01	16:25	Geoprobe, Grab	ML - Sandy Silt with Some Clay and Traces of Gravel (Lacustrine)	X	X
GP28-01	S-11676-020101-DG16	3 - 4	02/01/01	15:00	Geoprobe, Grab	ML - Silt with Clay, Traces of Fine Sand and Gravel, Brown	X	X
GP29-01	S-11676-020101-DG17	5 - 7.5	02/01/01	15:30	Geoprobe, Grab	ML Clayey Silt (Lacustrine), Traces of Fine Sand and Gravel, Gray	X	X
GP29-01	S-11676-020101-DG17MS	5 - 7.5 MS	02/01/01	15:30	Geoprobe, Grab	ML Clayey Silt (Lacustrine), Traces of Fine Sand and Gravel, Gray	X	X
GP29-01	S-11676-020101-DG17MSD	5 - 7.5 MS Dup	02/01/01	15:30	Geoprobe, Grab	ML Clayey Silt (Lacustrine), Traces of Fine Sand and Gravel, Gray	X	X
GP30-01	S-11676-020101-DG18	5.5 - 7.5	02/01/01	14:00	Geoprobe, Grab	ML Clayey Silt (Lacustrine), Traces of Fine Sand and Gravel, Gray	X	X
GP31A-01	GP1[illegible]-01-020401-DM112	9 - 10	02/04/01	10:00	Geoprobe, Grab	CL - Clay Silt, Little Sand, Traces of Gravel, Gray to Dark Gray	X	X
GP33-01	S-11676-020201-DM101	4.5 - 5.5	02/02/01	11:45	Geoprobe, Grab	CL - Clay, Some Silt, Brown to Grey	X	X
GP34-01	S-11676-020201-DM100	12.5 - 13.5	02/02/01	10:45	Geoprobe, Grab	ML - Clayey Silt (Lacustrine), Brown to Grey	X	X
GP35-01	S-11676-020401-DM113	6.8 - 7.3	02/04/01	12:40	Geoprobe, Grab	ML - Clayey Silt, Traces of Gravel, Little Fine Sand (Lacustrine), Gray	X	X
GP36-01	S-11676-020401-DM114	5 - 6	02/04/01	13:40	Geoprobe, Grab	ML - Silt, Trace Clay, Little Fine Sand, Trace of Gravel	X	X
GP37-01	S-11676-020201-DM104	2.5 - 3.5	02/02/01	16:17	Geoprobe, Grab	ML - Clayey Silt with Fine Sand, Grey (Lacustrine)	X	X
GP38-01	S-11676-020201-DM103	5 - 5.5	02/02/01	14:50	Geoprobe, Grab	Fill (ML) - Silt with Fine Sand and Clay, Grey	X	X
GP39-01	S-11676-020201-DM102	7 - 8	02/02/01	13:45	Geoprobe, Grab	ML - Silt with Fine Sand and Clay, Grey	X	X
GP42-01	S-11676-020401-DM116	6 - 6.5	02/04/01	15:30	Geoprobe, Grab	ML - Clayey Silt (Lacustrine), Little Fine Sand, Trace Gravel, Light Brown	X	X
GP43-01	S-11676-020401-DM115	4.5 - 5	02/04/01	14:30	Geoprobe, Grab	ML - Clayey Silt (Lacustrine), Little Fine Sand, Trace Gravel, Gray	X	X
GP44A-01	S-11676-020301-DM111	4 - 4.5	02/03/01	17:30	Geoprobe, Grab	ML - Silt Grading to Silt & Fine Sand, Trace Gravel, Gray	X	X
GP45-01	S-11676-020301-DM105	5 - 6	02/03/01	8:30	Geoprobe, Grab	CL - Clayey Silt (Lacustrine), Little Fine Sand, Gray, Trace Gravel	X	X
GP46-01	S-11676-020301-DM106	4 - 4.5	02/03/01	9:45	Geoprobe, Grab	ML - Silty w/Traces of Clay, Traces of Gravel, Trace of Sand, Gray to Light Gr	X	X
GP47-01	S-11676-020301-DM109	5 - 6	02/03/01	14:40	Geoprobe, Grab	ML - Silt, Little Clay, Little Fine Sand, Trace Garvel, Light brown to Beige	X	X
GP47-01	S-11676-020301-DM110	5 - 6	02/03/01	14:50	Geoprobe, Grab	ML - Silt, Little Clay, Little Fine Sand, Trace Garvel, Light brown to Beige	X	X
GP48-01	S-11676-020301-DM108	4.5 - 5	02/03/01	11:50	Geoprobe, Grab	ML - Clayey Silt (Lacustrine), Trace Gravel, Gray to Light Gray	X	X
GP49-01	S-11676-020301-DM107	12.6 - 13	02/03/01	10:40	Geoprobe, Grab	ML - Silt, Trace of Fine Sand, Trace of Gravel, Light Brown	X	X
GP51-01	S-11676-020401-DM117	7.2 - 7.7	02/04/01	16:15	Geoprobe, Grab	ML - Silt, Little Fine Sand, Trace of Clay, Trace of Gravel, Light to Medium Bro	X	X
GP52-01	S-11676-020401-LP42	13 - 15	02/04/01	16:15	Geoprobe, Grab	ML - Sandy Silt with Some Clay and Traces of Gravel, Brown	X	X
GP53-01	S-11676-020401-LP41	7 - 9	02/04/01	15:25	Geoprobe, Grab	ML - Sandy Silt with Traces of Clay and Gravel, Brown	X	X
GP54-01	S-11676-020401-LP40	5 - 7	02/04/01	14:30	Geoprobe, Grab	ML - Sandy Silt with Some Clay and Traces of Gravel, Gray	X	X
GP55-01	S-11676-020401-LP39	5.5 - 7	02/04/01	12:25	Geoprobe, Grab	ML - Sandy Silt with Some Clay, Traces of Gravel, Brown	X	X
GP56-01	S-11676-020401-LP38	6.4 - 8	02/04/01	11:35	Geoprobe, Grab	ML - Sandy Silt with Some Clay and Traces of Gravel, Gray	X	X
GP56-01	S-11676-020401-LP38MS	6.4 - 8	02/04/01	11:45	Geoprobe, Grab	ML - Sandy Silt with Some Clay and Traces of Gravel, Gray	X	X
GP56-01	S-11676-020401-LP38MSD	6.4 - 8	02/04/01	11:55	Geoprobe, Grab	ML - Sandy Silt with Some Clay and Traces of Gravel, Gray	X	X
GP57-01	S-11676-020401-LP33	3.4 - 5	02/04/01	8:35	Geoprobe, Grab	ML - Sandy Silt with Some Clay, Traces of Gravel, Brown	X	X
GP57-01	S-11676-020401-LP34	3.4 - 5	02/04/01	8:40	Geoprobe, Grab	ML - Sandy Silt with Some Clay, Traces of Gravel, Brown	X	X
GP58-01	S-11676-020401-LP35	5.5 - 7	02/04/01	9:40	Geoprobe, Grab	ML - Sandy Silt with Some Clay, Traces of Gravel, Gray	X	X
GP59-01	S-11676-020401-LP36	5.5 - 7	02/04/01	10:15	Geoprobe, Grab	ML - Sandy Silt with Some Clay (Lacustrine), Traces of Gravel, Gray	X	X
GP60-01	S-11676-020401-LP37	5 - 6.5	02/04/01	10:45	Geoprobe, Grab	ML - Sandy Silt with Traces of Clay and Gravel, Brown	X	X

Note:
Samples were not collected from the following locations: GP08-01, GP31-01, GP32-01, and GP32A-01.

TABLE 2

FINAL GEOPROBE ANALYTICAL DATA
DNAPLE INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	GP1-01	GP2-01	GP3-01	GP4-01	GP5-01	GP6-01	GP7-01	GP8-01	GP9-01	GP10-01	GP10-01	GP11-01	GP11-01	GP12-01	GP13-01	GP15-01
Depth	Occupational	5-10 ft	6-7.5 ft.	7-7.5 ft.	5.5-7 ft	5-6 ft	4-6.5 ft.	4-5 ft.	8-10 ft.	3.5 ft.	15-17 ft.	15-17 ft.	8.5-7.5 ft.	11.5-12.5 ft.	5.5-7 ft.	5.5-6.5 ft.	7-7.5 ft.
Sample I.D. (S-11676-)	Soil	013001-DG-01	013001-DG-02	013001-DG-03	013101-DG04	013101-DG05	013101-DG06	013101-DG07	013101-DG08	013101-DG09	020101-DG 10	020101-DG 11	020101-DG 12	020101-DG 13	020301-LP-29	020301-LP-30	020101-DG 15
Sample Date		01/30/2001	01/30/2001	01/30/2001	01/31/2001	01/31/2001	01/31/2001	01/31/2001	01/31/2001	01/31/2001	02/01/2001	02/01/2001	02/01/2001	02/01/2001	02/03/2001	02/03/2001	02/01/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
Semi-Volatile Organic Compounds																	
1,2,4-Trichlorobenzene	85,167,000	ND(370)	420	ND(370)	860	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	520	ND(390)	ND(370)
1,2-Dichlorobenzene	766,500,000	ND(56)	1,300	440	2,100	74	240	ND(56)	460	110	ND(56)	ND(56)	930	ND(57)	1,100	560	ND(56)
1,3-Dichlorobenzene	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(59)	ND(58)	ND(56)
1,4-Dichlorobenzene	994,000	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(59)	ND(58)	ND(56)
2,4,5-Trichlorophenol	-	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(1900)
2,4,6-Trichlorophenol	-	ND(370)	ND(380)	ND(370)	420	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2,4-Dichlorophenol	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2,4-Dimethylphenol	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2,4-Dinitrophenol	-	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(1900)
2,4-Dinitrotoluene	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2,6-Dinitrotoluene	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2-Chloronaphthalene	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2-Chlorophenol	42,583,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2-Methylnaphthalene	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2-Methylphenol	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
2-Nitroaniline	-	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(1900)
2-Nitrophenol	-	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(1900)
3&4-Methylphenol	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
3,3'-Dichlorobenzidine	-	ND(2300)	ND(2300)	ND(2200)	ND(2400)	ND(2200)	ND(2300)	ND(2200)	ND(2200)	ND(2400)	ND(2200)	ND(2200)	ND(2400)	ND(2300)	ND(2400)	ND(2300)	ND(2200)
3-Nitroaniline	-	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(1900)
4,6-Dinitro-2-methylphenol	-	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(1900)
4-Bromophenyl phenyl ether	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
4-chloro-3-methylphenol	-	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1400)	ND(1500)	ND(1600)	ND(1500)	ND(1500)	ND(1500)	ND(1500)
4-Chloroaniline	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
4-Chlorophenyl phenyl ether	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
4-Nitroaniline	-	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2000)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(1900)
4-Nitrophenol	-	ND(900)	ND(920)	ND(900)	ND(940)	ND(890)	ND(900)	ND(890)	ND(890)	ND(940)	ND(890)	ND(900)	ND(980)	ND(910)	ND(940)	ND(940)	ND(900)
Acenaphthene	511,000,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Acenaphthylene	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Anthracene	2,555,000,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Benzo(a)anthracene	33,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Benzo(a)pyrene	3,300	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Benzo(b)fluoranthene	33,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Benzo(g,h,I)perylene	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Benzo(k)fluoranthene	33,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Bis(2-chloroethoxy)methane	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Bis(2-chloroethyl)ether	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Bis(2-chloroisopropyl)ether	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Bis(2-ethylhexyl)phthalate	1,703,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	420	ND(390)	ND(370)
Butyl benzyl phthalate	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Carbazole	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Chrysene	327,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Di-n-butyl phthalate	851,667,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Di-n-octyl phthalate	170,333,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Dibenz(a,h)anthracene	3,300	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Dibenzofuran	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Diethyl phthalate	6,813,333,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Dimethyl phthalate	851,667,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Fluoranthene	340,667,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Fluorene	340,667,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Hexachlorobenzene	15,000	ND(370)	4,600	ND(370)	6,100	ND(370)	400	ND(370)	630	ND(390)	ND(370)	ND(370)	4,400	ND(380)	6,500	ND(390)	ND(370)
Hexachlorobutadiene	306,000	ND(370)	9,800	ND(370)	10,000	ND(370)	670	ND(370)	1,100	ND(390)	ND(370)	ND(370)	8,600	ND(380)	11,000	ND(390)	ND(370)
Hexachlorocyclopentadiene	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Hexachloroethane	1,703,000	ND(110)	14,000	ND(110)	14,000	ND(110)	900	ND(110)	ND(110)	ND(120)	ND(110)	ND(110)	8,100	ND(110)	470	ND(120)	240
Indeno(1,2,3-cd)pyrene	33,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Isophorone	25,102,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)

TABLE 2

FINAL GEOPROBE ANALYTICAL DATA
DNAPLE INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	GP1-01	GP2-01	GP3-01	GP4-01	GP5-01	GP6-01	GP7-01	GP8-01	GP9-01	GP10-01	GP10-01	GP11-01	GP11-01	GP12-01	GP13-01	GP15-01
Depth	Occupational	8-10 ft.	6-7.5 ft.	7-7.5 ft.	6.5-7 ft	5-6 ft.	6-6.5 ft.	4-5 ft.	8-10 ft.	3-5 ft.	15-17 ft.	15-17 ft.	6.5-7.5 ft.	11.5-12.5 ft.	5.5-7 ft.	5-6.5 ft.	7-7.5 ft.
Sample I.D. (S-11676-)	Soil	013101-DG-01	013001-DG 02	013001-DG 03	013101-DG04	013101-DG05	013101-DG06	013101-DG07	013101-DG08	013101-DG09	020101-DG 10	020101-DG 11	020101-DG 12	020101-DG 13	020301-LP-29	020301-LP-30	020101-DG 15
Sample Date		01/30/2001	01/30/2001	01/30/2001	01/31/2001	01/31/2001	01/31/2001	01/31/2001	01/31/2001	01/31/2001	02/01/2001	02/01/2001	02/01/2001	02/01/2001	02/03/2001	02/03/2001	02/01/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
N Nitrosodi-n-propylamine	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
N-Nitorsodiphenylamine	4,867,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Naphthalene	340,667,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Nitrobenzene	4,258,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Pentachlorophenol	-	ND(3800)	ND(3900)	ND(3800)	ND(4000)	ND(3800)	ND(3800)	ND(3800)	ND(3800)	ND(4000)	ND(3800)	ND(3800)	ND(4200)	ND(3900)	ND(4000)	ND(4000)	ND(3800)
Phenanthrene	-	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Phenol	5,110,000,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Pyrene	2,555,000,000	ND(370)	ND(380)	ND(370)	ND(390)	ND(370)	ND(370)	ND(370)	ND(370)	ND(390)	ND(370)	ND(370)	ND(400)	ND(380)	ND(390)	ND(390)	ND(370)
Volatile Organic Compounds																	
1,1,1,-Trichloroethane	766,500,000	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
1,1,2,2-Tetrachloroethane	119,000	ND(56)	3,700	440	16,000	270	1,800	ND(56)	ND(56)	980	ND(56)	ND(56)	13,000	ND(57)	209,000	9,270	490
1,1,2-Trichlorotethane	418,000	ND(56)	2,100	1,100	2,100	200	360	ND(56)	ND(56)	1,800	ND(56)	ND(56)	6,400	ND(57)	ND(16000)	ND(7500)	490
1,1-Dichloroethane	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	220	ND(57)	ND(16000)	ND(7500)	ND(56)
1,1-Dichloroethene	40,000	ND(56)	950	440	2,600	1,200	2,100	1,600	360	240	1,100	2,200	5,900	ND(57)	ND(16000)	ND(7500)	480
1,2-Dichloroethane	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
1,2-Dichloroethene (Total)	-	--	--	--	--	--	--	--	--	--	--	--	--	--	ND(16000)	38,400	--
1,2-Dichloropropane	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
2-Butanone	-	ND(2800)	ND(2900)	ND(2800)	ND(2900)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(2900)	ND(2800)	ND(2800)	ND(3100)	ND(2800)	ND(16000)	ND(15000)	ND(2800)
2-Hexanone	-	ND(2800)	ND(2900)	ND(2800)	ND(2900)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(2900)	ND(2800)	ND(2800)	ND(3100)	ND(2800)	ND(16000)	ND(7500)	ND(2800)
4-Methyl-2-pentanone	-	ND(2800)	ND(2900)	ND(2800)	ND(2900)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(2900)	ND(2800)	ND(2800)	ND(3100)	ND(2800)	ND(16000)	ND(7500)	ND(2800)
Acetone	-	ND(5600)	ND(5700)	ND(5600)	ND(5900)	ND(5600)	ND(5700)	ND(5600)	ND(5600)	ND(5900)	ND(5600)	ND(5600)	ND(6100)	ND(5700)	ND(160000)	ND(75000)	ND(5600)
Benzene	822,000	ND(56)	ND(57)	ND(56)	ND(59)	480	110	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
Bromodichloromethane	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	--	--	ND(56)
Bromoform	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
Bromomethane	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
Carbon disulfide	-	ND(280)	ND(290)	ND(280)	ND(290)	ND(280)	ND(280)	ND(280)	ND(280)	ND(290)	ND(280)	ND(280)	ND(310)	ND(280)	ND(16000)	ND(7500)	ND(280)
Carbon tetrachloride	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
Chlorobenzene	170,333,000	ND(56)	1,700	570	1,200	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	6,100	ND(57)	ND(16000)	ND(7500)	ND(56)
Chloroethane	-	ND(560)	ND(570)	ND(560)	ND(590)	ND(560)	ND(570)	ND(560)	ND(560)	ND(590)	ND(560)	ND(560)	ND(610)	ND(570)	ND(16000)	ND(7500)	ND(560)
chloroform	3,909,000	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
chloromethane	-	ND(560)	ND(570)	ND(560)	ND(590)	ND(560)	ND(570)	ND(560)	ND(560)	ND(590)	ND(560)	ND(560)	ND(610)	ND(570)	ND(16000)	ND(7500)	ND(560)
cis-1,2-Dichloroethene	-	ND(56)	6,200	3,300	10,000	7,000	7,800	300	840	14,000	1,400	2,200	10,000	150	--	--	1,300
cis-1,3-Dichloropropene	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
dibromochloromethane	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
Ethylbenzene	851,667,000	ND(56)	ND(57)	ND(56)	ND(59)	280	430	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	560	ND(57)	ND(16000)	ND(7500)	ND(56)
Methylene chloride	3,180,000	ND(280)	ND(290)	ND(280)	ND(290)	ND(280)	ND(280)	ND(280)	ND(280)	ND(290)	ND(280)	ND(280)	ND(310)	ND(280)	ND(78000)	ND(37000)	ND(280)
Styrene	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
Tetrachloroethene	459,000	110	1,100,000	170,000	2,100,000	86,000	370,000	570	270,000	200,000	67,000	55,000	1,800,000	ND(57)	386,000	495,000	640,000
Toluene	1,703,333,000	ND(56)	130	ND(56)	340	150	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	450	ND(57)	ND(16000)	ND(7500)	ND(56)
trans-1,2-Dichloroethene	*170,333,000*	*ND(56)*	*1,400*	*560*	*1,200*	*650*	480	ND(56)	ND(56)	190	330	650	3,700	ND(57)	*ND(16000)*	*ND(7500)*	*ND(56)*
trans-1,3-Dichloropropene	-	ND(56)	ND(57)	ND(56)	ND(59)	ND(56)	ND(57)	ND(56)	ND(56)	ND(59)	ND(56)	ND(56)	ND(61)	ND(57)	ND(16000)	ND(7500)	ND(56)
Trichloroethene	2,168,000	120	690,000	160,000	890,000	380,000	330,000	26,000	200,000	240,000	210,000	240,000	1,700,000	ND(57)	193,000	522,000	300,000
Vinyl chloride	13,000	ND(56)	140	ND(56)	310	170	190	ND(56)	ND(56)	ND(59)	310	820	1,500	670	ND(16000)	ND(7500)	ND(56)
Xylenes (Total)	-	ND(170)	170	ND(170)	780	740	360	ND(170)	ND(170)	ND(180)	ND(170)	ND(170)	470	ND(170)	ND(16000)	ND(7500)	ND(170)
General Chemistry																	
Percent Moisture (%)		11.4	12.6	11.1	15	10.5	11.6	10.4	10.5	15.1	10.3	11	18.3	12.1	15.1	14.5	11.1

Notes:
ND (300) Parameter was not detected at or above the associated detection limit.
300 Parameter exceeds the Site Specific Clean-up Goals for Occupational Soils.
-- No value is associated with this parameter.

TABLE 2

FINAL GEOPROBE ANALYTICAL DATA
DNAPLE INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	GP16-01	GP17-01	GP17-01	GP18-01	GP19-01	GP20-01	CP21-01	GP22-01	GP23-01	GP24-01	GP25-01	GP26-01	GP27-01	GP28-01	GP29-01	GP30-01
Depth	Occupational	6.5-7.5 ft.	7-8 ft	7-8 ft.	7.5-9.5 ft.	5.5-7.5 ft.	7-9 ft.	5-6 ft.	4-5 ft.	3-5 ft	5.5-7.5 ft	5-6 ft	5-6 ft.	4-5 ft.	3-4 ft.	5-7.5 ft.	5.5-7.5 ft.
Sample I.D. (S 11676-)	Soil	020101-DG 14	020201-LP 22	020201-LP 23	020201-LP 24	020201-LP 25	020201-LP 26	020301-LP-27	020301-LP-28	020101-DG 19	020201-LP 20	020201-LP 21	020301-LP-31	020301-LP-32	020101-DG 16	020101 DG 17	020101 DG 18
Sample Date		02/01/2001	02/02/2001	02/02/2001	02/02/2001	02/02/2001	02/02/2001	02/03/2001	02/03/2001	02/01/2001	02/02/2001	02/02/2001	02/03/2001	02/03/2001	02/01/2001	02/01/2001	02/01/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
Semi-Volatile Organic Compounds																	
1,2,4-Trichlorobenzene	85,167,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
1,2-Dichlorobenzene	766,500,000	490	ND(56)	ND(57)	270	1,100	ND(55)	2,600	160	ND(58)	430	360	1,500	300	ND(59)	ND(56)	ND(56)
1,3-Dichlorobenzene	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(62)	ND(56)	ND(58)	ND(57)	ND(62)	ND(59)	ND(56)	ND(59)	ND(56)	ND(56)
1,4-Dichlorobenzene	994,000	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(62)	ND(56)	ND(58)	ND(57)	ND(62)	ND(59)	ND(56)	ND(59)	ND(56)	ND(56)
2,4,5-Trichlorophenol	-	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(1900)	ND(2100)	ND(2000)	ND(1900)	ND(2000)	ND(1900)	ND(1900)
2,4,6-Trichlorophenol	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2,4-Dichlorophenol	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2,4-Dimethylphenol	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2,4-Dinitrophenol	-	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(1900)	ND(2100)	ND(2000)	ND(1900)	ND(2000)	ND(1900)	ND(1900)
2,4-Dinitrotoluene	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2,6-Dinitrotoluene	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2-Chloronaphthalene	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2-Chlorophenol	42,583,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2-Methylnaphthalene	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2-Methylphenol	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
2-Nitroaniline	-	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(1900)	ND(2100)	ND(2000)	ND(1900)	ND(2000)	ND(1900)	ND(1900)
2-Nitrophenol	-	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(1900)	ND(2100)	ND(2000)	ND(1900)	ND(2000)	ND(1900)	ND(1900)
3&4-Methylphenol	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
3,3'-Dichlorobenzidine	-	ND(2300)	ND(2300)	ND(2300)	ND(2200)	ND(2300)	ND(2200)	ND(2500)	ND(2300)	ND(2300)	ND(2300)	ND(2500)	ND(2400)	ND(2200)	ND(2400)	ND(2200)	ND(2200)
3-Nitroaniline	-	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(1900)	ND(2100)	ND(2000)	ND(1900)	ND(2000)	ND(1900)	ND(1900)
4,6-Dinitro-2-methylphenol	-	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(1900)	ND(2100)	ND(2000)	ND(1900)	ND(2000)	ND(1900)	ND(1900)
4-Bromophenyl phenyl ether	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
4-chloro-3-methylphenol	-	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1400)	ND(1600)	ND(1500)	ND(1500)	ND(1500)	ND(1600)	ND(1500)	ND(1500)	ND(1500)	ND(1500)	ND(1500)
4-Chloroaniline	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
4-Chlorophenyl phenyl ether	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
4-Nitroaniline	-	ND(2000)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(1900)	ND(2100)	ND(1900)	ND(2000)	ND(1900)	ND(2100)	ND(2000)	ND(1900)	ND(2000)	ND(1900)	ND(1900)
4-Nitrophenol	-	ND(920)	ND(900)	ND(910)	ND(900)	ND(910)	ND(880)	ND(1000)	ND(900)	ND(930)	ND(910)	ND(990)	ND(950)	ND(900)	ND(940)	ND(900)	ND(900)
Acenaphthene	511,000,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Acenaphthylene	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Anthracene	2,555,000,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Benzo(a)anthracene	33,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Benzo(a)pyrene	3,300	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Benzo(b)fluoranthene	33,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Benzo(g,h,I)perylene	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Benzo(k)fluoranthene	33,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Bis(2-chloroethoxy)methane	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Bis(2-chloroethyl)ether	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Bis(2-chloroisopropyl)ether	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Bis(2-ethylhexyl)phthalate	1,703,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	460	ND(370)	ND(380)	ND(380)	490	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Butyl benzyl phthalate	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Carbazole	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Chrysene	327,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Di-n-butyl phthalate	851,667,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Di-n-octyl phthalate	170,333,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Dibenz(a,h)anthracene	3,300	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Dibenzofuran	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Diethyl phthalate	6,813,333,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Dimethyl phthalate	851,667,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Fluoranthene	340,667,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	440	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Fluorene	340,667,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Hexachlorobenzene	15,000	2,900	ND(370)	ND(380)	ND(370)	2,600	ND(360)	5,400	ND(370)	ND(380)	1,500	36,000	6,000	2,500	ND(390)	ND(370)	ND(370)
Hexachlorobutadiene	306,000	8,600	ND(370)	ND(380)	ND(370)	5,300	ND(360)	8,800	ND(370)	ND(380)	4,300	34,000	12,000	2,800	ND(390)	ND(370)	ND(370)
Hexachlorocyclopentadiene	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Hexachloroethane	1,703,000	8,000	ND(110)	ND(110)	ND(110)	11,000	ND(110)	10,000	ND(110)	ND(120)	4,000	15,000	14,000	1,300	ND(120)	ND(110)	ND(110)
Indeno(1,2,3-cd)pyrene	33,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Isophorone	25,102,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)

TABLE 2

FINAL GEOPROBE ANALYTICAL DATA
DNAPLE INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	GP16-01	GP17-01	GP17-01	GP18-01	GP19-01	GP20-01	GP21-01	GP22-01	GP23-01	GP24-01	GP25-01	GP26-01	GP27-01	GP28-01	GP29-01	GP30-01
Depth	Occupational	6.5-7.5 ft.	7-8 ft.	7-8 ft.	7.5-9.5 ft.	5.5-7.5 ft.	7-9 ft.	5-6 ft.	4-5 ft.	3-5 ft	5.5-7.5 ft	5-6 ft	5-6 ft.	4-5 ft.	3-4 ft.	5-7.5 ft.	5.5-7.5 ft.
Sample I.D. (S-11676-)	Soil	020101-DG 14	020201-LP 22	020201-LP 23	020201-LP 24	020201-LP 25	020201-LP 26	020301-LP 27	020301-LP 28	020101-DG 19	020201-LP 29	020201-LP 21	020301-LP 31	020301-LP 32	020101-DG 16	020101-DG 17	020101-DG 18
Sample Date		02/01/2001	02/02/2001	02/02/2001	02/02/2001	02/02/2001	02/02/2001	02/03/2001	02/03/2001	02/01/2001	02/02/2001	02/02/2001	02/03/2001	02/03/2001	02/01/2001	02/01/2001	02/01/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
N-Nitrosodi-n-propylamine	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
N-Nitorsodiphenylamine	4,867,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Naphthalene	340,667,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Nitrobenzene	4,258,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Pentachlorophenol	-	ND(3900)	ND(3800)	ND(3900)	ND(3800)	ND(3900)	ND(3800)	ND(4200)	ND(3800)	ND(3900)	ND(3900)	ND(4200)	ND(4000)	ND(3800)	ND(4000)	ND(3800)	ND(3800)
Phenanthrene	-	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Phenol	5,110,000,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Pyrene	2,555,000,000	ND(380)	ND(370)	ND(380)	ND(370)	ND(370)	ND(360)	ND(410)	ND(370)	ND(380)	ND(380)	ND(410)	ND(390)	ND(370)	ND(390)	ND(370)	ND(370)
Volatile Organic Compounds																	
1,1,1,-Trichloroethane	766,500,000	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
1,1,2,2-Tetrachloroethane	119,000	ND(57)	ND(56)	ND(57)	ND(56)	18,000	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	4,800	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
1,1,2-Trichlorotethane	418,000	130	ND(56)	ND(57)	ND(56)	5,200	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	140	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
1,1-Dichloroethane	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
1,1-Dichloroethene	40,000	1,600	ND(56)	ND(57)	650	450	510	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	160
1,2-Dichloroethane	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
1,2-Dichloroethene (Total)	-	--	--	--	--	--	--	ND(81000)	9,240	--	--	--	ND(73000)	13,000	--	--	--
1,2-Dichloropropane	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
2-Butanone	-	ND(2900)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(160000)	ND(7200)	ND(2900)	ND(2800)	ND(3100)	ND(140000)	ND(12000)	ND(3000)	ND(2800)	ND(2800)
2-Hexanone	-	ND(2900)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(81000)	ND(3600)	ND(2900)	ND(2800)	ND(3100)	ND(73000)	ND(5900)	ND(3000)	ND(2800)	ND(2800)
4-Methyl-2-pentanone	-	ND(2900)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(2800)	ND(81000)	ND(3600)	ND(2900)	ND(2800)	ND(3100)	ND(73000)	ND(5900)	ND(3000)	ND(2800)	ND(2800)
Acetone	-	ND(5700)	ND(5600)	ND(5700)	ND(5600)	ND(5700)	ND(5500)	ND(810000)	ND(36000)	ND(5800)	ND(5700)	ND(6200)	ND(730000)	ND(59000)	ND(5900)	ND(5600)	ND(5600)
Benzene	822,000	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
Bromodichloromethane	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	--	--	ND(58)	ND(57)	ND(62)	--	--	ND(59)	ND(56)	ND(56)
Bromoform	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
Bromomethane	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	--	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
Carbon disulfide	-	ND(290)	ND(280)	ND(280)	ND(280)	ND(280)	ND(280)	ND(81000)	ND(3600)	ND(290)	ND(280)	ND(310)	ND(73000)	ND(5900)	ND(300)	ND(280)	ND(280)
Carbon tetrachloride	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
Chlorobenzene	170,333,000	2,200	ND(56)	ND(57)	ND(56)	1,200	190	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	310	ND(56)
Chloroethane	-	ND(570)	ND(560)	ND(570)	ND(560)	ND(570)	ND(550)	ND(81000)	ND(3600)	ND(580)	ND(570)	ND(620)	ND(73000)	ND(5900)	ND(590)	ND(560)	ND(560)
chloroform	3,909,000	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
chloromethane	-	ND(570)	ND(560)	ND(570)	ND(560)	ND(570)	ND(550)	--	ND(3600)	ND(580)	ND(570)	ND(620)	ND(73000)	ND(5900)	ND(590)	ND(560)	ND(560)
cis-1,2-Dichloroethene	-	8,400	ND(56)	ND(57)	1,800	2,000	1,300	--	--	ND(58)	240	380	--	--	130	1,200	11,000
cis-1,3-Dichloropropene	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
dibromochloromethane	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
Ethylbenzene	851,667,000	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
Methylene chloride	3,180,000	ND(290)	ND(280)	ND(280)	ND(280)	ND(280)	ND(280)	ND(400000)	ND(18000)	ND(290)	ND(280)	ND(310)	ND(360000)	ND(29000)	ND(300)	ND(280)	ND(280)
Styrene	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
Tetrachloroethene	459,000	**1,500,000**	ND(56)	220	25,000	330,000	49,000	**2,080,000**	16,400	2,400	110,000	230,000	189,000	13,000	ND(59)	120,000	350
Toluene	1,703,333,000	ND(57)	ND(56)	ND(57)	ND(56)	180	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
trans-1,2-Dichloroethene	170,333,000	780	ND(56)	ND(57)	380	430	320	320,000	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	250	710
trans-1,3-Dichloropropene	-	ND(57)	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	ND(56)
Trichloroethene	2,168,000	720,000	ND(56)	140	63,000	170,000	100,000	218,000	158,000	3,600	26,000	48,000	113,000	49,100	ND(59)	130,000	400
Vinyl chloride	13,000	450	ND(56)	ND(57)	ND(56)	ND(57)	ND(55)	ND(81000)	ND(3600)	ND(58)	ND(57)	ND(62)	ND(73000)	ND(5900)	ND(59)	ND(56)	360
Xylenes (Total)	-	ND(170)	ND(170)	ND(170)	ND(170)	ND(170)	ND(170)	ND(81000)	ND(3600)	ND(170)	ND(170)	ND(180)	ND(73000)	ND(5900)	ND(180)	ND(170)	ND(170)
General Chemistry																	
Percent Moisture (%)		13	11.2	12	11	11.9	9.5	20	11.3	13.6	12	18.8	15.5	10.7	15.3	10.3	11.1

Notes:
ND (300) Parameter was not detected at or above the associated detection limit.
300 Parameter exceeds the Site Specific Clean-up Goals for Occupational Soils.
-- No value is associated with this parameter.

TABLE 2

FINAL GEOPROBE ANALYTICAL DATA
DNAPLE INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	GP31A-01	GP33-01	GP34-01	GP35-01	GP36-01	GP37-01	GP38-01	GP39-01	GP42-01	GP43-01	GP44-01	GP44A-01	GP45-01	GP47-01
Depth	Occupational	9-10 ft.	4.5-5.5 ft.	12.5-13.5 ft.	6.8-7.3 ft.	5-6 ft.	2.5-3.5 ft.	5-5.5 ft.	7-8 ft.	5-6.5 ft.	4.5-5 ft.	4-4.5 ft.	4-4.5 ft.	5-6 ft.	5-6 ft.
Sample I.D. (S-11676-)	Soil	020401-DM-112	020201-DM 101	020201-DM 100	020401-DM-113	020401-DM-114	020201-DM 104	020201-DM 103	020201-DM 102	020401-DM-116	020401-DM-115	020301-DM-106	020301-DM-111	020301-DM-105	020301-DM-109
Sample Date		02/04/2001	02/02/2001	02/02/2001	02/04/2001	02/04/2001	02/02/2001	02/02/2001	02/02/2001	02/04/2001	02/04/2001	02/03/2001	02/03/2001	02/03/2001	02/03/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
Semi-Volatile Organic Compounds															
1,2,4-Trichlorobenzene	85,167,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
1,2-Dichlorobenzene	766,500,000	ND(64)	ND(55)	ND(56)	ND(59)	ND(61)	ND(60)	ND(62)	ND(57)	73	ND(58)	19,000	280	ND(66)	ND(62)
1,3-Dichlorobenzene	-	ND(64)	ND(55)	ND(56)	ND(59)	ND(61)	ND(60)	ND(62)	ND(57)	ND(59)	ND(58)	ND(740)	ND(64)	ND(66)	ND(62)
1,4-Dichlorobenzene	994,000	ND(64)	ND(55)	ND(56)	ND(59)	ND(61)	ND(60)	ND(62)	ND(57)	ND(59)	ND(58)	ND(740)	ND(64)	ND(66)	ND(62)
2,4,5-Trichlorophenol	-	ND(2200)	ND(1900)	ND(1900)	ND(2000)	ND(2100)	ND(2100)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(25000)	ND(2200)	ND(2200)	ND(2100)
2,4,6-Trichlorophenol	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2,4-Dichlorophenol	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2,4-Dimethylphenol	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2,4-Dinitrophenol	-	ND(2200)	ND(1900)	ND(1900)	ND(2000)	ND(2100)	ND(2100)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(25000)	ND(2200)	ND(2200)	ND(2100)
2,4-Dinitrotoluene	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2,6-Dinitrotoluene	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2-Chloronaphthalene	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2-Chlorophenol	42,583,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2-Methylnaphthalene	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2-Methylphenol	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	730	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
2-Nitroaniline	-	ND(2200)	ND(1900)	ND(1900)	ND(2000)	ND(2100)	ND(2100)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(25000)	ND(2200)	ND(2200)	ND(2100)
2-Nitrophenol	-	ND(2200)	ND(1900)	ND(1900)	ND(2000)	ND(2100)	ND(2100)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(25000)	ND(2200)	ND(2200)	ND(2100)
3&4-Methylphenol	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
3,3'-Dichlorobenzidine	-	ND(2600)	ND(2200)	ND(2200)	ND(2400)	ND(2400)	ND(2400)	ND(2500)	ND(2300)	ND(2400)	ND(2300)	ND(30000)	ND(2600)	ND(2600)	ND(2500)
3-Nitroaniline	-	ND(2200)	ND(1900)	ND(1900)	ND(2000)	ND(2100)	ND(2100)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(25000)	ND(2200)	ND(2200)	ND(2100)
4,6-Dinitro-2-methylphenol	-	ND(2200)	ND(1900)	ND(1900)	ND(2000)	ND(2100)	ND(2100)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(25000)	ND(2200)	ND(2200)	ND(2100)
4-Bromophenyl phenyl ether	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
4-chloro-3-methylphenol	-	ND(1700)	ND(1400)	ND(1500)	ND(1500)	ND(1600)	ND(1600)	ND(1600)	ND(1500)	ND(1500)	ND(1500)	ND(19000)	ND(1700)	ND(1700)	ND(1600)
4-Chloroaniline	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
4-Chlorophenyl phenyl ether	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
4-Nitroaniline	-	ND(2200)	ND(1900)	ND(1900)	ND(2000)	ND(2100)	ND(2100)	ND(2100)	ND(1900)	ND(2000)	ND(2000)	ND(25000)	ND(2200)	ND(2200)	ND(2100)
4-Nitrophenol	-	ND(1000)	ND(890)	ND(900)	ND(940)	ND(980)	ND(970)	ND(990)	ND(920)	ND(950)	ND(930)	ND(12000)	ND(1000)	ND(1100)	ND(1000)
Acenaphthene	511,000,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Acenaphthylene	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Anthracene	2,555,000,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Benzo(a)anthracene	33,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Benzo(a)pyrene	3,300	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Benzo(b)fluoranthene	33,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Benzo(g,h,I)perylene	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Benzo(k)fluoranthene	33,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Bis(2-chloroethoxy)methane	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Bis(2-chloroethyl)ether	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Bis(2-chloroisopropyl)ether	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Bis(2-ethylhexyl)phthalate	1,703,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Butyl benzyl phthalate	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Carbazole	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Chrysene	327,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Di-n-butyl phthalate	851,667,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Di-n-octyl phthalate	170,333,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Dibenz(a,h)anthracene	3,300	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Dibenzofuran	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Diethyl phthalate	6,813,333,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Dimethyl phthalate	851,667,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Fluoranthene	340,667,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Fluorene	340,667,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Hexachlorobenzene	15,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	420	ND(380)	1,700	ND(390)	**490,000**	480	ND(440)	10,000
Hexachlorobutadiene	306,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	4,000	ND(390)	**890,000**	3,300	ND(440)	9,500
Hexachlorocyclopentadiene	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Hexachloroethane	1,703,000	ND(130)	ND(110)	ND(110)	ND(120)	ND(120)	ND(120)	ND(120)	ND(110)	5,000	ND(120)	**2,200,000**	ND(130)	ND(130)	390
Indeno(1,2,3-cd)pyrene	33,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Isophorone	25,102,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)

TABLE 2

FINAL GEOPROBE ANALYTICAL DATA
DNAPLE INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	GP31A-01	GP33-01	GP34-01	GP35-01	GP36-01	GP37-01	GP38-01	GP39-01	GP42-01	GP43-01	GP44-01	GP44A-01	GP45-01	GP47-01
Depth	Occupational	9-10 ft.	4.5-5.5 ft	12.5-13.5 ft.	6.8-7.3 ft.	5-6 ft.	2.5-3.5 ft.	5-5.5 ft.	7-8 ft.	6-6.5 ft.	4.5-5 ft.	4-4.5 ft.	4-4.5 ft.	5-6 ft.	5-6 ft.
Sample ID (S-110761)	Soil	020401-DM-112	020301-DM-101	020201-DM-100	020401-DM-113	020401-DM-114	020201-DM-104	020201-DM-103	020201-DM-102	020401-DM-116	020401-DM-115	020301-DM-106	020301-DM-111	020301-DM-105	020301-DM-109
Sample Date		02/04/2001	02/02/2001	02/02/2001	02/04/2001	02/04/2001	02/02/2001	02/02/2001	02/02/2001	02/04/2001	02/04/2001	02/03/2001	02/03/2001	02/03/2001	02/03/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
N-Nitrosodi-n-propylamine	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
N-Nitrosodiphenylamine	1,857,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Naphthalene	340,667,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Nitrobenzene	4,258,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Pentachlorophenol	-	ND(4400)	ND(3800)	ND(3800)	ND(4000)	ND(4200)	ND(4100)	ND(4200)	ND(3900)	ND(4000)	ND(4000)	ND(51000)	ND(4400)	ND(4500)	ND(4200)
Phenanthrene	-	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Phenol	5,110,000,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Pyrene	2,555,000,000	ND(420)	ND(370)	ND(370)	ND(390)	ND(400)	ND(400)	ND(410)	ND(380)	ND(390)	ND(390)	ND(4900)	ND(420)	ND(440)	ND(410)
Volatile Organic Compounds															
1,1,1,-Trichloroethane	766,500,000	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
1,1,2,2-Tetrachloroethane	119,000	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	241,000	474	ND(310)	ND(310)
1,1,2-Trichlorotethane	418,000	ND(290)	2,100	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
1,1-Dichloroethane	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
1,1-Dichloroethene	40,000	ND(290)	630	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
1,2-Dichloroethane	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
1,2-Dichloroethene (Total)	-	ND(290)	--	--	ND(280)	ND(380)	--	--	--	ND(2900)	4,930	ND(110000)	4,050	ND(310)	ND(310)
1,2-Dichloropropane	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
2-Butanone	-	ND(580)	ND(2800)	ND(2800)	ND(560)	ND(760)	ND(3000)	ND(3100)	ND(2900)	ND(5900)	ND(5800)	ND(220000)	ND(620)	ND(620)	ND(620)
2-Hexanone	-	ND(290)	ND(2800)	ND(2800)	ND(280)	ND(380)	ND(3000)	ND(3100)	ND(2900)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
4-Methyl-2-pentanone	-	1,340	ND(2800)	ND(2800)	1,570	2,140	ND(3000)	ND(3100)	ND(2900)	ND(2900)	ND(2900)	ND(110000)	568	1,080	2,110
Acetone	-	ND(2900)	ND(5500)	ND(5600)	ND(2800)	ND(3800)	ND(6000)	ND(6200)	ND(5700)	ND(29000)	ND(29000)	ND(1110000)	ND(3100)	ND(3100)	ND(3100)
Benzene	822,000	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Bromodichloromethane	-	--	ND(55)	ND(56)	--	--	ND(60)	ND(62)	ND(57)	--	--	--	--	--	--
Bromoform	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Bromomethane	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Carbon disulfide	-	ND(290)	ND(280)	ND(280)	ND(280)	ND(380)	ND(300)	ND(310)	ND(290)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Carbon tetrachloride	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Chlorobenzene	170,333,000	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	260	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Chloroethane	-	ND(290)	ND(550)	ND(560)	ND(280)	ND(380)	ND(600)	ND(620)	ND(570)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
chloroform	3,909,000	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
chloromethane	-	ND(1500)	ND(550)	ND(560)	ND(280)	ND(380)	ND(600)	ND(620)	ND(570)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
cis-1,2-Dichloroethene	-	--	2,100	ND(56)	--	--	ND(60)	210	ND(57)	--	--	--	--	--	--
cis-1,3-Dichloropropene	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
dibromochloromethane	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Ethylbenzene	851,667,000	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Methylene chloride	3,180,000	ND(290)	ND(280)	ND(280)	ND(1400)	ND(1900)	ND(300)	ND(310)	ND(290)	ND(15000)	ND(14000)	ND(570000)	ND(1600)	ND(1500)	ND(1500)
Styrene	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Tetrachloroethene	459,000	ND(290)	130,000	160	ND(280)	819	ND(60)	410	ND(57)	246,000	ND(2900)	1,300,000	970	ND(310)	678
Toluene	1,703,333,000	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
trans-1,2-Dichloroethene	170,333,000	ND(290)	230	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
trans-1,3-Dichloropropene	-	ND(290)	ND(55)	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Trichloroethene	2,168,000	ND(290)	160,000	160	ND(280)	ND(380)	ND(60)	170	ND(57)	150,000	33,100	1,250,000	ND(310)	ND(310)	960
Vinyl chloride	13,000	ND(290)	170	ND(56)	ND(280)	ND(380)	ND(60)	ND(62)	ND(57)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
Xylenes (Total)		ND(290)	ND(170)	ND(170)	ND(280)	ND(380)	ND(180)	ND(190)	ND(170)	ND(2900)	ND(2900)	ND(110000)	ND(310)	ND(310)	ND(310)
General Chemistry															
Percent Moisture (%)		22	8.8	10.8	15.2	18.3	17.1	19.4	12.8	15.6	14.4	32.7	22.2	24.3	19.6

Notes:
ND (300) Parameter was not detected at or above the associated detection limit.
300 Parameter exceeds the Site Specific Clean-up Goals for Occupational Soils.
-- No value is associated with this parameter.

TABLE 2

FINAL GEOPROBE ANALYTICAL DATA
DNAPLE INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	GP47-01	GP48-01	GP49-01	GP51-01	GP52-01	GP53-01	GP54-01	GP55-01	GP56-01	GP57-01	GP57-01	GP58-01	GP59-01	GP60-01
Depth	Occupational	5-6 ft.	4.5-5 ft.	12.6-13 ft.	7.2-7.7 ft.	13-15 ft.	7.9 ft.	5.7 ft.	5.5-7 ft.	6.1-8 ft.	3.4-5 ft.	3.4-5 ft.	5.5-7 ft.	5.5-7 ft.	5.6.5 ft.
Sample I.D. (S-11676-)	Soil	020301-DM-110	020301-DM-108	020301-DM-107	020401-DM-117	020401-LP-42	020401-LP-41	020401-LP-40	020401-LP-39	020401-LP-38	020401-LP-33	020401-LP-34	020401-LP-35	020401-LP-36	020401-LP-37
Sample Date		02/03/2001	02/03/2001	02/03/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
Semi-Volatile Organic Compounds															
1,2,4-Trichlorobenzene	85,167,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(390)	ND(410)	ND(390)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
1,2-Dichlorobenzene	766,500,000	ND(60)	ND(64)	ND(58)	ND(59)	ND(62)	ND(61)	ND(58)	ND(62)	ND(57)	ND(59)	ND(62)	ND(59)	ND(59)	ND(57)
1,3-Dichlorobenzene	-	ND(60)	ND(64)	ND(58)	ND(59)	ND(62)	ND(61)	ND(58)	ND(62)	ND(57)	ND(59)	ND(62)	ND(59)	ND(59)	ND(57)
1,4-Dichlorobenzene	994,000	ND(60)	ND(64)	ND(58)	ND(59)	ND(62)	ND(61)	ND(58)	ND(62)	ND(57)	ND(59)	ND(62)	ND(59)	ND(59)	ND(57)
2,4,5-Trichlorophenol	-	ND(2000)	ND(2200)	ND(2000)	ND(2000)	ND(2100)	ND(2100)	ND(2000)	ND(2100)	ND(1900)	ND(2000)	ND(2100)	ND(2000)	ND(2000)	ND(1900)
2,4,6-Trichlorophenol	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2,4-Dichlorophenol	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2,4-Dimethylphenol	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2,4-Dinitrophenol	-	ND(2000)	ND(2200)	ND(2000)	ND(2000)	ND(2100)	ND(2100)	ND(2000)	ND(2100)	ND(1900)	ND(2000)	ND(2100)	ND(2000)	ND(2000)	ND(1900)
2,4-Dinitrotoluene	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2,6-Dinitrotoluene	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2-Chloronaphthalene	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2-Chlorophenol	42,583,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2-Methylnaphthalene	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2-Methylphenol	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
2-Nitroaniline	-	ND(2000)	ND(2200)	ND(2000)	ND(2000)	ND(2100)	ND(2100)	ND(2000)	ND(2100)	ND(1900)	ND(2000)	ND(2100)	ND(2000)	ND(2000)	ND(1900)
2-Nitrophenol	-	ND(2000)	ND(2200)	ND(2000)	ND(2000)	ND(2100)	ND(2100)	ND(2000)	ND(2100)	ND(1900)	ND(2000)	ND(2100)	ND(2000)	ND(2000)	ND(1900)
3&4-Methylphenol	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
3,3'-Dichlorobenzidine	-	ND(2400)	ND(2600)	ND(2300)	ND(2400)	ND(2500)	ND(2500)	ND(2300)	ND(2500)	ND(2300)	ND(2400)	ND(2500)	ND(2400)	ND(2400)	ND(2300)
3-Nitroaniline	-	ND(2000)	ND(2200)	ND(2000)	ND(2000)	ND(2100)	ND(2100)	ND(2000)	ND(2100)	ND(1900)	ND(2000)	ND(2100)	ND(2000)	ND(2000)	ND(1900)
4,6-Dinitro-2-methylphenol	-	ND(2000)	ND(2200)	ND(2000)	ND(2000)	ND(2100)	ND(2100)	ND(2000)	ND(2100)	ND(1900)	ND(2000)	ND(2100)	ND(2000)	ND(2000)	ND(1900)
4-Bromophenyl phenyl ether	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
4-chloro-3-methylphenol	-	ND(1600)	ND(1700)	ND(1500)	ND(1500)	ND(1600)	ND(1600)	ND(1500)	ND(1600)	ND(1500)	ND(1500)	ND(1600)	ND(1500)	ND(1500)	ND(1500)
4-Chloroaniline	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
4-Chlorophenyl phenyl ether	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
4-Nitroaniline	-	ND(2000)	ND(2200)	ND(2000)	ND(2000)	ND(2100)	ND(2100)	ND(2000)	ND(2100)	ND(1900)	ND(2000)	ND(2100)	ND(2000)	ND(2000)	ND(1900)
4-Nitrophenol	-	ND(950)	ND(1000)	ND(920)	ND(950)	ND(990)	ND(980)	ND(920)	ND(1000)	ND(910)	ND(940)	ND(990)	ND(950)	ND(940)	ND(910)
Acenaphthene	511,000,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Acenaphthylene	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Anthracene	2,555,000,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Benzo(a)anthracene	33,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Benzo(a)pyrene	3,300	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Benzo(b)fluoranthene	33,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Benzo(g,h,I)perylene	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Benzo(k)fluoranthene	33,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Bis(2-chloroethoxy)methane	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Bis(2-chloroethyl)ether	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Bis(2-chloroisopropyl)ether	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Bis(2-ethylhexyl)phthalate	1,703,000	1,200	660	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Butyl benzyl phthalate	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Carbazole	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Chrysene	327,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Di-n-butyl phthalate	851,667,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Di-n-octyl phthalate	170,333,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Dibenz(a,h)anthracene	3,300	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Dibenzofuran	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Diethyl phthalate	6,813,333,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Dimethyl phthalate	851,667,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Fluoranthene	340,667,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Fluorene	340,667,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Hexachlorobenzene	15,000	2,700	760	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Hexachlorobutadiene	306,000	1,900	1,300	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Hexachlorocyclopentadiene	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Hexachloroethane	1,703,000	180	1,500	ND(120)	ND(120)	ND(120)	ND(120)	ND(120)	220	ND(110)	ND(120)	ND(120)	ND(120)	ND(120)	ND(110)
Indeno(1,2,3-cd)pyrene	33,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Isophorone	25,102,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)

TABLE 2

FINAL GEOPROBE ANALYTICAL DATA
DNAPLE INVESTIGATION
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Location Name	Site Specific Clean-Up Goals	GP47-01	GP48-01	GP49-01	GP51-01	GP52-01	GP53-01	GP54-01	GP55-01	GP56-01	GP57-01	GP57-01	GP58-01	GP59-01	GP60-01
Depth	Occupational	5-6 ft.	4.5-5 ft.	12.6-13 ft.	7.2-7.7 ft.	13-15 ft.	7-9 ft.	5-7 ft.	5.5-7 ft.	6.4-8 ft.	3.4-5 ft.	3.4-5 ft.	5.5-7 ft.	5.5-7 ft.	5-6.5 ft.
Sample I.D. (S-11676-)	Soil	020301-DM-110	020301-DM-108	020301-DM-107	020401-DM-112	020401-LP-42	020401-LP-41	020401-LP-40	020401-LP-39	020401-LP-38	020401-LP-33	020401-LP-34	020401-LP-35	020401-LP-36	020401-LP-37
Sample Date		02/03/2001	02/03/2001	02/03/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001	02/04/2001
Units	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]	[ug/kg]
N-Nitrosodi-n-propylamine	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
N-Nitrosodiphenylamine	4,867,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Naphthalene	340,667,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Nitrobenzene	4,258,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Pentachlorophenol	-	ND(4100)	ND(4400)	ND(3900)	ND(4000)	ND(4200)	ND(4200)	ND(3900)	ND(4200)	ND(3900)	ND(4000)	ND(4200)	ND(4000)	ND(4000)	ND(3900)
Phenanthrene	-	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Phenol	5,110,000,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Pyrene	2,555,000,000	ND(390)	ND(420)	ND(380)	ND(390)	ND(410)	ND(410)	ND(380)	ND(410)	ND(380)	ND(390)	ND(410)	ND(390)	ND(390)	ND(370)
Volatile Organic Compounds															
1,1,1,-Trichloroethane	766,500,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
1,1,2,2-Tetrachloroethane	119,000	472	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	1,020	19,200	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
1,1,2-Trichlorotethane	418,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
1,1-Dichloroethane	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
1,1-Dichloroethene	40,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
1,2-Dichloroethane	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
1,2-Dichloroethene (Total)	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	6,670	19,500	987	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
1,2-Dichloropropane	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
2-Butanone	-	ND(570)	ND(600)	ND(600)	ND(600)	ND(620)	ND(580)	ND(600)	ND(620)	ND(560)	ND(620)	ND(640)	ND(580)	ND(600)	ND(580)
2-Hexanone	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
4-Methyl-2-pentanone	-	1,490	1,150	1,400	1,110	1,030	924	1,380	1,080	1,650	409	649	1,840	1,960	355
Acetone	-	ND(2800)	ND(3000)	ND(3000)	ND(3000)	ND(3100)	ND(2900)	ND(3000)	ND(3100)	ND(2800)	ND(3100)	ND(3200)	ND(2900)	ND(3000)	ND(2900)
Benzene	822,000	ND(280)	ND(300)	ND(3000)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Bromodichloromethane	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	-	ND(280)	ND(300)	ND(3000)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Bromomethane	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Carbon disulfide	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Carbon tetrachloride	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Chlorobenzene	170,333,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Chloroethane	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
chloroform	3,909,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
chloromethane	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(1600)	ND(290)	ND(300)	ND(1540)	ND(280)	ND(1600)	ND(320)	ND(1500)	ND(300)	ND(290)
cis-1,2-Dichloroethene	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-i,3-Dichloropropene	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
dibromochloromethane	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Ethylbenzene	851,667,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Methylene chloride	3,180,000	ND(1400)	ND(1500)	ND(1500)	ND(1500)	ND(310)	ND(1470)	ND(1500)	ND(310)	ND(1400)	ND(310)	ND(1600)	ND(290)	ND(1500)	ND(1400)
Styrene	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Tetrachloroethene	459,000	1,070	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	9,340	7,890	5,390	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Toluene	1,703,333,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
trans-1,2-Dichloroethene	170,333,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
trans-1,3-Dichloropropene	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Trichloroethene	2,168,000	1,700	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	16,800	17,600	5,820	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Vinyl chloride	13,000	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
Xylenes (Total)	-	ND(280)	ND(300)	ND(300)	ND(300)	ND(310)	ND(290)	ND(300)	ND(310)	ND(280)	ND(310)	ND(320)	ND(290)	ND(300)	ND(290)
General Chemistry															
Percent Moisture (%)		16.2	22.2	13.5	15.9	19.3	18.6	14.2	19.8	12.4	14.9	19.2	15.9	15	11.9

Notes:
ND (300) Parameter was not detected at or above the associated detection limit.
300 Parameter exceeds the Site Specific Clean-up Goals for Occupational Soils.
-- No value is associated with this parameter.

SECTION 4
TEST PIT AND TEST TRENCH STRATIGRAPHIC LOGS

FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

TEST PIT STRATIGRAPHIC LOG

(WL-01)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT01-01
DATE COMPLETED: JANUARY 9, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	609.5						
	TOPSOIL	609.3						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist to very moist							
-2.5	- black stain, faint odor @ 2.3ft BGS	606.8			2.0 2.3 3.0	0 0 0		
	CL-SILTY CLAY, soft, low plasticity, light gray, very moist							
-5.0	- firm @ 5.0ft BGS				5.0	0		
-7.5	BOTTOM OF TEST PIT @ 7.0ft BGS	602.5			7.0	0		
	NOTE: 1. Elevation of NE end of TT01-01 is 610.1ft AMSL, and the SW end is 609.5ft AMSL.							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-02)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT02-01
DATE COMPLETED: JANUARY 9, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	610.1						
	TOPSOIL	609.8						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist to very moist							
2.5	– gray, wet, dilatant @ 3.0ft BGS				3.0	0		
	CL-SILTY CLAY, trace sand, firm, low plasticity, gray, moist	606.4			4.5	0		
5.0	BOTTOM OF TEST PIT @ 5.5ft BGS	604.6			5.5	0		
	NOTE: 1. Elevation of SW end of TT02-01 is 610.6ft AMSL, and the NE end is 610.1ft AMSL.							
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-03)
Page 1 of 1

PROJECT NAME: FIELDS BROOKS SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT03-01
DATE COMPLETED: JANUARY 9, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	611.3						
	TOPSOIL (dark brown, silt, trace sand)	611.0						
	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-2.5								
	CL-CLAY, some silt, stiff, low plasticity, gray, moist	607.3			4.0	0		
-5.0				007	5.5	0		•
	BOTTOM OF TEST PIT @ 6.0ft BGS	605.3						
-7.5	NOTE: 1. Elevation of SE end of TT03-01 is 612.3ft AMSL, and the NW end is 611.3ft AMSL.							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-04)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT04-01
DATE COMPLETED: JANUARY 9, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	612.8						
	TOPSOIL (dark brown, silt, trace sand)	612.5						
	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-2.5								
		608.8			4.0	2.0		
-5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist							
	- strong odor @ 6.0ft BGS				7.0	180+		
-7.5								
		603.8			9.0	2000+		
-10.0	BOTTOM OF TEST PIT @ 9.0ft BGS							
	NOTE: 1. Elevation of SW end of TT04-01 is 612.8ft AMSL, and the NE end is 614.9ft AMSL.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-05)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT05-01
DATE COMPLETED: JANUARY 10, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	620.2						
--2.5	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist to very moist				2.0	0		
--5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist	616.2			4.0	0		
--7.5	BOTTOM OF TEST PIT @ 6.0ft BGS	614.2			6.0	0		
--10.0	NOTE: 1. Elevation of W end of TT05-01 is 620.2ft AMSL, and the E end is 620.2ft AMSL.							
--12.5								
--15.0								
--17.5								
--20.0								
--22.5								
--25.0								
--27.5								
--30.0								
--32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-06)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT06-01
DATE COMPLETED: JANUARY 10, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	620.2						
2.5	MH-SILT, trace to with sand, compact, fine grained, poorly graded, brown, moist to very moist				2.0	0		
5.0	– silt, some sand, gray, very moist to wet, odor @ 4.3ft BGS	615.2			4.5	7.0		
	CL-CLAY, some silt, stiff, low plasticity, gray, moist, strong odor	614.2						
7.5	*BOTTOM OF TEST PIT @ 6.0ft BGS*							
10.0	NOTES: 1. DNAPL in pockets and cracks, dark brown. 2. Sheen in water. 3. The elevation of the S end of TT06-01 is 620.6ft AMSL, and the N end is 620.2ft AMSL.							
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-07)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT07-01
DATE COMPLETED: JANUARY 10, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	619.1						
	MH-SILT, with sand, compact, fine grained, poorly graded, light brown, moist				2.0	0		
--2.5								
		615.1						
--5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist				5.0	9.8		
--7.5								
		611.1						
	BOTTOM OF TEST PIT @ 8.0ft BGS							
--10.0	NOTE: 1. Elevation of S end of TT07-01 is 619.7ft AMSL, and the N end is 619.1ft AMSL.							
--12.5								
--15.0								
--17.5								
--20.0								
--22.5								
--25.0								
--27.5								
--30.0								
--32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼

TEST PIT STRATIGRAPHIC LOG

(WL-08)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT08-01
DATE COMPLETED: JANUARY 10, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	618.0						
2.5	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist	614.5			2.0	0		
5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist	612.0			5.0	15.0+		
7.5	BOTTOM OF TEST PIT @ 6.0ft BGS NOTE: 1. Elevation of S end of TT08-01 is 620.3ft AMSL, and the N end is 618.0ft AMSL.							
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-09)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT09-01
DATE COMPLETED: JANUARY 10, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	616.4						
	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-2.5		613.4						
	CL-CLAY, with to some silt, stiff, low plasticity, gray, moist				4.0	0		
-5.0					5.0	0		
		610.9						
	BOTTOM OF TEST PIT @ 5.5ft BGS							
	NOTE: 1. Elevation of S end of TT09-01 is 617.8ft AMSL, and the N end is 616.4ft AMSL.							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-10)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT10-01
DATE COMPLETED: JANUARY 10, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	616.5						
	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-2.5		614.0						
	CL-CLAY, some silt, stiff, low plasticity, gray, moist				4.0	0		
-5.0								
		610.5			6.0	0		
	BOTTOM OF TEST PIT @ 6.0ft BGS							
-7.5	NOTE: 1. Elevation of S end of TT10-01 is 620.5ft AMSL, and the N end is 616.5ft AMSL.							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-11)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT11-01
DATE COMPLETED: JANUARY 10, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	616.6						
-2.5	MH-SILT (FILL), trace sand, some chunks of gray clay, compact, fine grained, poorly graded, brown, moist				2.0	0		
-5.0		612.1			4.0	0		
	CL-CLAY, with silt, very stiff, low plasticity, gray, moist				6.0	0		
-7.5		610.1						
	BOTTOM OF TEST PIT @ 6.5ft BGS							
-10.0	NOTE: 1. Elevation of S end of TT11-01 is 622.6ft AMSL, and the N end is 616.6ft AMSL.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-12)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT12-01
DATE COMPLETED: JANUARY 10, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	616.6						
-2.5	MH-SILT (FILL), trace sand, some clay chunks, compact, fine grained, poorly graded, gray and brown, moist				2.0	0		
					4.0	300+		
-5.0	CL-CLAY, some silt, trace sand, firm to stiff, low plasticity, gray, moist, clay is stratified/fissured with sand and silt	612.1			6.0	300+		
-7.5					8.0	300+		
-10.0	BOTTOM OF TEST PIT @ 9.0ft BGS NOTE: 1. Elevation of S end of TT12-01 is 622.5ft AMSL, and the N end is 616.6ft AMSL.	607.6						
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-13)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT13-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS: GRAIN SIZE	ANALYSIS: CHEMICAL
	GROUND SURFACE	*617.2*						
	MH-SILT, trace to with sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-2.5								
	- wet, sheen on water @ 4.2ft BGS				4.0	50+		
	612.7							
-5.0	CL-CLAY, *some silt, clay stratified with silt and sand, firm, gray, wet*				6.0	150+		
	610.7							
	BOTTOM OF TEST PIT @ 6.5ft BGS							
-7.5	NOTES: 1. DNAPL on clay, dark brown. 2. Elevation of S end of TT13-01 is 618.8ft AMSL, and the N end is 617.2ft AMSL.							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-14)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP14-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	622.5						
	MH-SAND, with silt, compact, fine grained, poorly graded, brown, moist							
2.5								
5.0								
7.5					8.0	0		
10.0					10.0	0		
12.5		*610.5*			12.0	0		
	CL-CLAY, some silt, stiff, low plasticity, gray, moist	*609.5*						
	BOTTOM OF TEST PIT @ 13.0ft BGS							
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-15)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT15-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	*618.3*						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-2.5					4.0	0		
-5.0					6.0	0		
-7.5		*610.8*			8.0	500+		
	CL-CLAY, some silt, stiff, low plasticity, gray, moist, strong odor							
-10.0		*608.8*						
	BOTTOM OF TEST PIT @ 9.5ft BGS							
	NOTE: 1. Elevation of SE end of TT15-01 is 619.6ft AMSL, and the NW end is 618.3ft AMSL.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-16)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT16-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS: GRAIN SIZE	ANALYSIS: CHEMICAL
	GROUND SURFACE	618.8						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist to very moist							
-2.5					3.0	0		
-5.0					6.0	0		
-7.5		611.3			7.5	19.5		
	CL-CLAY, some silt, stiff, low plasticity, gray, moist							
-10.0		609.3		013	9.5	15+		•
	BOTTOM OF TEST PIT @ 9.5ft BGS							
	NOTE: 1. Elevation of SE end of TT16-01 is 619.5ft AMSL, and the NW end is 618.8ft AMSL.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-17)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT17-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	621.8						
-2.5	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist, no odor/stain				2.0	0		
					4.0	0		
-5.0	CL-CLAY, with silt, stiff, low plasticity, gray, moist	616.8			6.0	0		
-7.5	BOTTOM OF TEST PIT @ 7.0ft BGS	614.8						
-10.0	NOTE: 1. Elevation of S end of TT17-01 is 622.0ft AMSL, and the N end is 621.8ft AMSL.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-18)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT18-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS: GRAIN SIZE	ANALYSIS: CHEMICAL
	GROUND SURFACE	620.9						
2.5	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist to very moist				2.0	0		
		616.9			4.0	50-100		
5.0	CL-CLAY, with silt, stiff, low plasticity, gray, moist				5.0	100+		
		614.9						
7.5	BOTTOM OF TEST PIT @ 6.0ft BGS NOTES: 1. DNAPL on clay, dark brown. 2. Elevation of S end of TT18-01 is 621.5ft AMSL, and the N end is 620.9ft AMSL.							
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-19)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT19-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	620.9						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist to very moist				2.0	0		
-2.5								
	– sheen on water @ 4.0ft BGS	616.9			4.5	50-100		
-5.0	CL-CLAY, with silt, sand and silt fissures in clay, firm to stiff, low plasticity, gray, moist, sheen on water	615.4			5.0	50-100		
	BOTTOM OF TEST PIT @ 5.5ft BGS							
-7.5								
	NOTES: 1. DNAPL pockets on clay. 2. Elevation of S end of TT19-01 is 621.3ft AMSL, and the N end is 620.9ft AMSL.							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-20)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT20-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	618.5						
-2.5	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-5.0	CL-CLAY, some silt, firm, low plasticity, gray, moist, clay has fractures/fissures of sand	614.5			4.0	25-50		
-7.5	BOTTOM OF TEST PIT @ 6.5ft BGS	612.0			6.5	25-50		
-10.0	NOTE: 1. Elevation of SW end of TT20-01 is 618.5ft AMSL, and the NE end is 620.7ft AMSL.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-21)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT21-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS: GRAIN SIZE	ANALYSIS: CHEMICAL
	GROUND SURFACE	619.4						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-2.5								
	- wet @ 3.9ft BGS	615.4			4.0	40		
-5.0	CL-CLAY, with silt, stiff, low plasticity, gray, moist				4.0	5.0		
		612.9						
-7.5	BOTTOM OF TEST PIT @ 6.5ft BGS							
	NOTES: 1. Slight sheen on water along creek. 2. Elevation of S end of TT21-01 is 619.4ft AMSL, and the N end is 619.8ft AMSL.							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-22)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT22-01
DATE COMPLETED: JANUARY 11, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	619.2						
2.5	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				3.0	0		
5.0	- very moist @ 4.8ft BGS				4.5	25-40		
	CL-CLAY, with silt, stiff, low plasticity, gray, moist	*614.2*						
7.5	*BOTTOM OF TEST PIT @ 7.0ft BGS*	*612.2*			7.0	18.4		
10.0	NOTES: 1. DNAPL present on clay. 2. Sheen present in wet sand pockets. 3. Elevation of S end of TT22-01 is 619.2ft AMSL, and the N end is 619.9ft AMSL.							
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-23)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT23-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	617.7						
	OL-ORGANIC SILT, trace sand, loose, fine grained, poorly graded, gray, white, very moist				3.0	12.8		
-2.5								
-5.0					6.0	16.2		
		610.7						
-7.5	CL-CLAY, with silt, firm, low plasticity, gray, moist				8.0	75+		
-10.0								
-12.5								
-15.0		602.7			15.0	10-15		
	BOTTOM OF TEST PIT @ 15.0ft BGS							
	NOTES: 1. DNAPL present on clay. 2. Elevation of S end of TT23-01 is 617.7ft AMSL, and the N end is 623.0ft AMSL.							
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-24)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT24-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	615.9						
2.5	OL-ORGANIC SILT, trace sand, loose, fine grained, poorly graded, gray and white, very moist	613.4						
5.0	MH-SILT, with sand, compact, fine grained, poorly graded, brown, very moist	611.4						
7.5	CL-CLAY, with silt, stiff, low plasticity, gray, moist	609.4		001	6.0	50+		•
10.0	BOTTOM OF TEST PIT @ 6.5ft BGS NOTES: 1. DNAPL present on clay. 1. Elevation of SE end of TT24-01 is 615.9ft AMSL, and the NW end is 617.2ft AMSL.							
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼

TEST PIT STRATIGRAPHIC LOG

(WL-25)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT25-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	615.0						
	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist							
-2.5					3.0	0		
-5.0	- very moist @ 4.9ft BGS	*610.0*						
	CL-CLAY, with silt, very stiff, low plasticity, gray, moist			002	5.5	150		•
-7.5								
-10.0				003	10.0	150-200+		•
-12.5								
		600.5						
-15.0	BOTTOM OF TEST PIT @ 14.5ft BGS							
	NOTE: 1. Elevation of SE end of TT25-01 is 615.0ft AMSL, and the NW end is 616.1ft AMSL.							
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-26)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP26-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	615.9						
2.5	MH-SAND, with silt, compact, fine grained, poorly graded, brown, moist				4.0	0		
5.0	CL-CLAY, some silt, trace sand, stiff, low plasticity, gray, moist	610.9			7.0	4.5		
7.5	BOTTOM OF TEST PIT @ 8.0ft BGS	607.9						
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-27)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP27-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS: GRAIN SIZE	ANALYSIS: CHEMICAL
	GROUND SURFACE	616.5						
-2.5	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist				3.5	0		
-5.0		*611.5*			6.0	3.2		
-7.5	CL-CLAY, some silt, vertical sand fissures, firm to stiff, low plasticity, gray, moist, clay is stained red, brown and black				8.5	150+		
-10.0								
-12.5	BOTTOM OF TEST PIT @ 12.0ft BGS	*604.5*		004	12.0	200+		•
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-28)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP28-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	616.0						
2.5	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist				4.0	0		
5.0	CL-CLAY, some silt, trace sand, sand fissures, *firm, medium plasticity, gray, moist*	611.5			6.0	150+		
7.5					8.0	150+		
10.0	BOTTOM OF TEST PIT @ 9.5'± BGS	606.5						
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-29)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP29-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH FT. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS: GRAIN SIZE	ANALYSIS: CHEMICAL
	GROUND SURFACE	616.1						
2.5	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist, no odor or staining				2.0	0		
		612.6						
5.0	CL-CLAY, some silt, trace sand, firm, low plasticity, gray, moist				4.0	0		
	BOTTOM OF TEST PIT @ 5.5ft BGS	*610.6*			5.5	0		
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-30)
Page 1 of 1

PROJECT NAME: *FIELDS BROOK SUPERFUND SITE*
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT30-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	615.9						
2.5	MH-SILT, with sand, compact, fine grained, *poorly graded, brown, moist*				3.5	0		
5.0	– very moist @ 5.3ft BGS	*610.4*		005	5.5	14.0		•
7.5	CL-CLAY, some silt, trace silt and sand fissures, stiff, low plasticity, gray, moist							
10.0				006	11.0	150+		•
12.5	BOTTOM OF TEST PIT @ 12.0ft BGS	*603.9*						
15.0	NOTE: 1. Elevation of S end of TT30-01 is 615.9ft AMSL, and the N end is 616.1ft AMSL.							
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-31)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP31-01
DATE COMPLETED: JANUARY 16, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	*613.8*						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist							
-2.5					2.5	0		
	DNAPL @ 4.0ft BGS	*609.8*						
-5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist	*609.3*						
	BOTTOM OF TEST PIT @ 4.5ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-32)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP32-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	612.7						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist							
2.5					3.5	0		
	– very moist to wet, sheen present @ 4.3ft BGS	608.2						
5.0					5.5	105		
	CL-CLAY, some silt, stif, low plasticity, gray, moist	606.7						
7.5	BOTTOM OF TEST PIT @ 6.0ft BGS							
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-33)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP33-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	612.6						
	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist, occasional wet sand pocket							
-2.5					2.5	0		
					4.0	0		
-5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist	608.1			6.0	0		
	BOTTOM OF TEST PIT @ 6.5ft BGS	606.1						
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-34)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP34-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	612.9						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist				3.5	0		
5.0	CL-CLAY, some silt, trace sand, stiff, low plasticity, gray, moist	608.4			6.0	180+		
	BOTTOM OF TEST PIT @ 6.0ft BGS	606.9						
7.5								
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-35)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP35-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS: GRAIN SIZE	ANALYSIS: CHEMICAL
	GROUND SURFACE	613.1						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist							
-2.5					2.5	0		
		609.1						
-5.0	CL-CLAY, *some silt, stiff, low plasticity, gray, moist*			008	4.5 5.0	250+ 50		•
		607.1						
	BOTTOM OF TEST PIT @ 6.0ft BGS							
-7.5								
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽

TEST PIT STRATIGRAPHIC LOG

(WL-36)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP36-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	0.0						
	MH-SILT, trace to with sand, compact, fine grained, poorly graded, brown, wet, dilatant							
-2.5		-3.0			2.5	0		
	CL-SILTY CLAY, firm to stiff, low plasticity, gray, moist				4.5	14.5		
-5.0	- clay, some silt @ 5.0ft BGS				5.5	50+		
-7.5		-8.0						
	BOTTOM OF TEST PIT @ 8.0ft BGS							
-10.0	NOTE: 1. Sand and Silt lenses/fissures throughout clay strata.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-37)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP37-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	613.7						
--2.5	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				3.0	0		
	– very moist to wet @ 3.8ft BGS	609.7						
--5.0	DNAPL, dark brown @ 4.0ft BGS	608.7						
	CL-CLAY, some silt, stiff, low plasticity, gray, moist							
--7.5	BOTTOM OF TEST PIT @ 5.0ft BGS							
--10.0								
--12.5								
--15.0								
--17.5								
--20.0								
--22.5								
--25.0								
--27.5								
--30.0								
--32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-38)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP38-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	612.7						
2.5	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist				4.0	0		
5.0	- very moist to wet @ 4.8ft BGS	607.7						
	DNAPL @ 5.0ft BGS	607.7						
7.5	CL-CLAY, some silt, stiff, low plasticity, gray, moist	607.2						
	BOTTOM OF TEST PIT @ 5.5ft BGS							
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-39)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP39-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	614.8						
	MH-SILT, trace sand, loose, fine grained, poorly graded, brown, moist to very moist							
--2.5	- compact, moist @ 1.5ft BGS				3.5	0		
--5.0		609.8						
	CL-CLAY, some silt, trace sand, stiff, low plasticity, gray, moist				6.0	0		
--7.5		607.8						
	BOTTOM OF TEST PIT @ 7.0ft BGS							
--10.0								
--12.5								
--15.0								
--17.5								
--20.0								
--22.5								
--25.0								
--27.5								
--30.0								
--32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-40)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP40-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	614.6						
	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist							
-2.5					3.5	0		
	- with sand @ 4.5ft BGS							
-5.0		*609.6*						
	CL-CLAY, some silt, stiff, low plasticity, gray, moist				5.5	0		
		607.6						
-7.5	BOTTOM OF TEST PIT @ 7.0ft BGS				7.0	0		
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-41)
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT41-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	614.5						
	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist							
-2.5					3.5	0		
-5.0	- very moist to wet, sand pockets @ 5.5ft BGS				5.5	0		
	DNAPL @ 6.0ft BGS	608.5						
-7.5	CL-CLAY, some silt, stiff, low plasticity, gray, moist	607.5						
	BOTTOM OF TEST PIT @ 7.0ft BGS							
-10.0	NOTE: 1. Elevation of S end of TT41-01 is 614.9ft AMSL, and the N end is 614.5ft AMSL.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-42)
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT42-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	615.3						
	MH-SILT, with sand, compact, fine grained, poorly graded, brown, moist							
-2.5								
	- wet				3.5	0		
		610.8						
-5.0	CL-CLAY, some silt, firm, low plasticity, gray, moist, clay stratified with fine sand lenses				5.5	4-150		
	DNAPL pockets @ 7.0ft BGS							
-7.5		*607.8*		009	7.5	15.0		•
	BOTTOM OF TEST PIT @ 7.5ft BGS			010	7.5	15.0		•
	NOTE: 1. Elevation of SE end of TT42-01 is 616.0ft AMSL, and the NW end is 615.3ft AMSL.							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-43)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT43-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	616.1						
-2.5	MH-SILT, trace sand, occasional sand pockets, compact, fine grained, poorly graded, brown, moist				3.0	0		
	DNAPL, patchy @ 4.0ft BGS	612.1						
-5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist	611.1						
	BOTTOM OF TEST PIT @ 5.0ft BGS							
-7.5	NOTE: 1. Elevation of SE end of TT43-01 is 616.5ft AMSL, and the NW end is 616.1ft AMSL.							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-44)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP44-01
DATE COMPLETED: JANUARY 17, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	*616.1*						
2.5	MH-SILT, trace to with sand, compact, fine grained, poorly graded, brown, moist				3.5	0		
5.0	– very moist to wet @ 4.5ft BGS							
	DNAPL @ 5.0ft BGS	*611.1*						
	CL-CLAY, some silt, stiff, low plasticity, gray, moist	*610.1*						
7.5	BOTTOM OF TEST PIT @ 6.0ft BGS							
10.0								
12.5								
15.0								
17.5								
20.0								
22.5								
25.0								
27.5								
30.0								
32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-45)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT45-01
DATE COMPLETED: JANUARY 18, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	617.7						
-2.5	MH-SILT, trace sand, compact, fine grained, poorly graded brown, moist				3.0	0		
-5.0	CL-CLAY, some silt, trace vertical sand lenses, stiff, low plasticity, gray, moist	613.7		011	6.0	0		•
-7.5					8.0	100+		
-10.0	BOTTOM OF TEST PIT @ 10.0ft BGS	607.7		012	10.0	200+		•
-12.5	NOTES: 1. Photograph taken of vertical sand lenses. 2. Elevation of S end of TT45-01 is 617.7ft AMSL, and the N end is 619.1ft AMSL.							
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-46)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT46-01
DATE COMPLETED: JANUARY 18, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE INTERVAL	PID (ppm)	ANALYSIS GRAIN SIZE	ANALYSIS CHEMICAL
	GROUND SURFACE	617.6						
-2.5	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				2.5	0		
-5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist	613.6			4.5	0		
-7.5					6.5	0		
	BOTTOM OF TEST PIT @ 8.0ft BGS	609.6			8.0	0		
-10.0	NOTE: 1. Elevation of S end of TT46-01 is 617.9ft AMSL, and the N end is 617.6ft AMSL.							
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-47)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP47-01
DATE COMPLETED: JANUARY 18, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	617.5						
	MH-SILT, trace to with sand, compact, fine grained, poorly graded, brown, moist							
-2.5					3.0	0		
		613.5						
-5.0	CL-CLAY, some silt, stiff, low plasticity, gray, moist				6.0	0		
-7.5		*609.5*			8.0	0		
	BOTTOM OF TEST PIT @ 8.0ft BGS							
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-48)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TP48-01
DATE COMPLETED: JANUARY 18, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	618.0						
-2.5	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				2.0	0		
-5.0	CL-CLAY, some silt, trace sand, fissures, stiff, low plasticity, gray, moist	614.0			4.5	7.0		
	- slight sheen @ 6.0ft BGS				6.5	50+		
-7.5					7.5	80+		
	BOTTOM OF TEST PIT @ 8.0ft BGS	610.0						
-10.0								
-12.5								
-15.0								
-17.5								
-20.0								
-22.5								
-25.0								
-27.5								
-30.0								
-32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

TEST PIT STRATIGRAPHIC LOG

(WL-49)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676-10
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

TEST PIT DESIGNATION: TT49-01
DATE COMPLETED: JANUARY 18, 2001
TEST PIT METHOD: TRACK MOUNTED EXCAVATOR
CRA SUPERVISOR: D. DEITNER

DEPTH ft. BGS	SAMPLE DESCRIPTION	ELEV. ft. AMSL	GRAPHIC LOG	SAMPLE			ANALYSIS	
				NUMBER	SAMPLE INTERVAL	PID (ppm)	GRAIN SIZE	CHEMICAL
	GROUND SURFACE	616.9						
--2.5	MH-SILT, trace sand, compact, fine grained, poorly graded, brown, moist				3.0	0		
--5.0	CL-CLAY, some silt, stratified with sand and silt lenses, firm, low plasticity, gray, moist, syrup like DNAPL in clay/sand lenses	612.9			4.5 5.5	6.0 2.8		
--7.5	BOTTOM OF TEST PIT @ 6.0ft BGS	610.9						
--10.0	NOTES: 1. Photograph taken of trench. 2. Clay/Sand lenses contain frozen DNAPL. 3. Elevation of S end of TT49-01 is 616.9ft AMSL, and the N end is 617.7ft AMSL.							
--12.5								
--15.0								
--17.5								
--20.0								
--22.5								
--25.0								
--27.5								
--30.0								
--32.5								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

SECTION 5
GEOPROBE STRATIGRAPHIC LOGS

FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

(WL-86)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: *ASHTABULA, OHIO*

HOLE DESIGNATION: GP1-01
DATE COMPLETED: JANUARY 30, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	*615.2*					
	ML-SILT (TOPSOIL), with clay, trace to little fine sand, low plasticity, dark gray, moist, rootlets	*614.7*					
-2.5	ML-SILT, with clay, trace to little fine sand, trace gravel, medium to low plasticity, light gray, moist, mottled, fractured horzontally and vertically, fractured surfaces oxidized, rootlets	*611.2*		1GP			1448 (0-5ft)
-5.0	- very moist to wet, slightly dilatant, slight chemical odor		2" Ø BOREHOLE				
-7.5	ML-CLAYEY SILT (LACUSTRINE), trace to little fine sand, trace gravel, hard, gray, moist, varving visable (bedding planes), slight to faint chemical odor			2GP			45.6 5-10ft)
-10.0	- very faint chemical odor - more competent						
-12.5			BENTONITE GROUT	3GP			28.1 (10-15ft)
-15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	*600.2*					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ *STATIC WATER LEVEL* ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-65)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP2-01
DATE COMPLETED: JANUARY 30, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.5					
2.5	ML-SILT (TOPSOIL), with trace clay, with fine sand, low plasticity, dark gray, moist, rootlets	615.0					
5.0	ML-SILT, with clay, with to trace fine sand, trace gravel, medium plasticity, light gray, moist, mottled, oxidized, rootlets, fractured horzontally and vertically, fractured surfaces oxidized - with fine sand, wet, dilatant, slight chemical odor @ 1.5ft BGS		2" Ø BOREHOLE	1GP			6686 (0-5ft)
7.5	- fractured horizontally and vertically, fractures oxidized with some evidence of impact @ 2.0ft BGS	608.0	BENTONITE GROUT	2AGP 2GP			9366 (5-7ft)
10.0	- horizontal fracture, strong chemical odor @ 4.8ft BGS - strong to slight chemical odor @ 5.0ft BGS			2BGP			710 (7-10ft)
12.5	ML-CLAYEY SILT (LACUSTRINE), trace fine sand, trace gravel, low plasticity, gray, moist, varved appearance	605.5					
15.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

(WL-64)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP3-01
DATE COMPLETED: JANUARY 30, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.6					
	ML-SILT (TOPSOIL), trace fine sand, low plasticity, black, moist, rootlets	615.4					
-2.5	ML-SILT, with clay, trace to little fine sand, trace gravel, gray, very moist, slightly dilatant, fractured horizontally and vertically, oxidized, mottled, slight odor			1GP			130 (0-5ft)
-5.0	- moist, fractured, slight odor, oxidized, mottled, fractured horizontally and vertically @ 4.0ft BGS		2" Ø BOREHOLE				
	SM-SAND seam, with silt, brown, wet, dilatant @ 3.5ft BGS	608.6					
-7.5	- fractured, mottled, slight chemical odor @ 5.0ft BGS		BENTONITE GROUT	2GP			8400 (5-10ft)
	CL-SILTY CLAY (LACUSTRINE), trace fine sand, trace gravel, low plasticity, gray, moist, varved appearance, strong chemical odor			(2AGP)			5650 7-10ft)
-10.0	- slight chemical odor @ 9.0ft BGS	605.6		2BGP			367 (10ft)
	BOTTOM OF BOREHOLE @ 10.0ft. BGS						
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

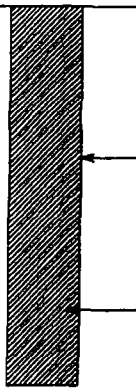
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-58)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP4-01
DATE COMPLETED: JANUARY 31, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.1					
	ML-SILT (TOPSOIL), with fine sand, trace clay, low plasticity, brown, moist, rootlets	614.6					
2.5	ML-SILT, with fine sand, with to trace clay, trace gravel, *medium plasticity*, brown, moist, rootlets, fractured			1GP			43 (0-5ft)
	- very moist, slightly dialtant, oxidized @ 2.0ft BGS						
5.0	- moist, light gray, fractured horizontally and vertically, surfaces oxidized, slight chemical odor @ 4.0ft BGS			2AGP			2300 (5-6ft)
	- fractures more visable, oxidized, mottled, strong chemical odor @ 5.0ft BGS	608.6		2GP			
7.5	ML-CLAYEY SILT (LACUSTRINE), with fine sand, trace gravel, hard, low plasticity, gray, moist, mottled, strong odor, varved appearance			2BGP			1336 (6.5-10ft)
10.0	- slight chemical odor @ 7.5ft BGS	605.1		2CGP			46 (10ft)
	BOTTOM OF BOREHOLE @ 10.0ft. BGS						
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							



NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

(WL-59)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP5-01
DATE COMPLETED: JANUARY 31, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.5					
	ML-SILT (TOPSOIL), with fine sand, with to trace clay	615.0					
-2.5	ML-SILT, with clay, trace fine sand, trace gravel, low to medium plasticity, gray, moist, rootlets - very moist, brown, fractured, oxidized @ 1.5ft BGS			1GP			417 (0-5ft)
-5.0	- mottled, fractured horizontally and vertically, oxidized @ 3.5 to 5.0ft BGS	610.5	2" Ø BOREHOLE	2AGP			931 (5-7ft)
-7.5	ML-CLAYEY SILT (LACUSTRINE), with to trace fine sand, trace gravel, hard, low plasticity, gray, moist, varved appearance, slight odor		BENTONITE GROUT	2GP			
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	605.5		2BGP			5.5 (9.5-10ft)
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-61)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP6-01
DATE COMPLETED: JANUARY 31, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.4					
	ML-SILT (TOPSOIL), with to trace fine sand, with clay, low plasticity, black, moist, rootlets	614.4					
-2.5	ML-SILT, with clay, with fine sand, trace gravel, low plasticity, brown, moist, rootlets, fractured horizontally and vertically, oxidized, mottled			1GP			21 (0-5ft)
	- very moist @ 2.0ft BGS		2" Ø BOREHOLE				
-5.0	- very moist to wet, and fine sand, strong odor, fractured horizontally and vertically, oxidized @ 5.0 to 6.0ft BGS	609.4		2AGP			980 (5-6ft)
-7.5	ML-CLAYEY SILT (LACUSTRINE), with fine sand, trace gravel, hard, low plasticity, gray, moist, varved appearance, definite chemical odor			2BGP 2GP			808 (6-8ft)
	- faint odor @ 8.0 to 10.0ft BGS		BENTONITE GROUT	2CGP			800 (5-10ft)
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	605.4					38 (8-10ft)
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽ STATIC WATER LEVEL ⊻
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-60)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP7-01
DATE COMPLETED: JANUARY 31, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.4					
	ML-SILT (TOPSOIL), with fine sand, trace clay, low plasticity, black, moist, rootlets	614.4					
-2.5	ML-SILT, with clay, trace to with fine sand, trace gravel, low to medium plasticity, brown, moist, mottled, fractured horizontally and vertically, oxidized			1GP 1AGP			6 (0-4ft)
	- mottling more evident @ 3.0ft BGS	611.4		1BGP			31 (4-5ft)
-5.0	ML-CLAYEY SILT (LACUSTRINE), with fine sand, trace gravel, hard, low plasticity, gray, moist, varved appearance						
-7.5	- very stiff, fractured @ 5.0ft BGS		2" Ø BOREHOLE	2GP			313 (5-10ft)
	- strong chemical odor, red hematite staining @ 8.0 to 10.0ft BGS			2AGP			9950 (8-10ft)
-10.0	- hard, low plasticity, no odor detected @ 10.0 to 15.0ft BGS						
-12.5			BENTONITE GROUT	3GP			4.0 (10-15ft)
-15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	600.4					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

(WL-62)
Page 1 of 1

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP8-01
DATE COMPLETED: JANUARY 31, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.4					
	ML-SILT (TOPSOIL), with fine sand, trace clay, low plasticity, black, moist, rootlets	614.4					
2.5	ML-SILT, with clay, trace to with fine sand, trace gravel, low to medium plasticity, brown, moist, mottled, fractured horizontally and vertically, oxidized - mottling more evident @ 3.0ft BGS			1GP			
5.0		610.4	2" Ø BOREHOLE				
7.5	ML-CLAYEY SILT, trace fine sand, trace gravel, low to medium plasticity, gray, competent, higher moisture content then at GP7-01		BENTONITE GROUT	2GP			
10.0	- low plasticity, varving more visible, decrease in moisture content @ 10.0 to 15.0ft BGS			2AGP			1.3 (8-10ft)
12.5				3GP 3AGP 3BGP			0.5 (10-12.5ft) 0.1 (12.5-15ft)
15.0	- increase in moisture content, varving not as evident @ 14.5 to 15.0ft BGS	600.4					
	BOTTOM OF BOREHOLE @ 15.0ft. BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP9-01
DATE COMPLETED: JANUARY 31, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	616.3					
	ML-SILT (TOPSOIL), with fine sand, trace to with clay, low plasticity, black, moist, rootlets	615.3					
--2.5	ML-SILT, with to and clay, with fine sand, trace gravel, low plasticity, brown, moist, rootlets, fractured horizontally and vertically, oxidized			1GP			
	- mottled @ 3.0 to 4.0ft BGS	612.3	2" Ø BOREHOLE	1AGP			353 (3-5ft)
--5.0	ML-CLAYEY SILT (LACUSTRINE), with to trace fine sand, trace gravel, low plasticity, gray, moist, varved appearance, slight chemical odor						
--7.5	- varving visable @ 5.0 to 6.0ft BGS - varving less evident @ 6.0 to 7.0ft BGS - varving evident @ 6.0 to 10.0ft BGS		BENTONITE GROUT	2GP 2AGP 2BGP			229 (5-7.5ft) 1.7 (7.5-10ft)
--10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	606.3					
--12.5							
--15.0							
--17.5							
--20.0							
--22.5							
--25.0							
--27.5							
--30.0							
--32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP10-01
DATE COMPLETED: FEBRUARY 1, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	623.0					
	ML-SILT (TOPSOIL), with clay, little fine sand, low plasticity, black, moist, rootlets	622.8					
	SM-SILTY SAND, trace gravel, fine grained, *poorly graded, dark brown/black, moist*	622.5					
2.5	ML-SILT, with to little clay, trace fine sand, low plasticity, dark brown, moist	622.0		1GP			0.0
5.0	SM-SILTY SAND, trace fine gravel, fine grained, poorly graded, wet, dilatant, layering visable						
7.5	- PT-PEAT seam 1/2" thick-not fibrous, no odor @ 4.5ft BGS - very wet, silty to and silt, fine grained, very dilatant @ 5.0ft BGS		2" Ø BOREHOLE	2GP			0.0
10.0		613.0					
	ML-SILT, with clay, trace fine sand, low plasticity, brown, moist, mottled, fractured horizontally and vertically, oxidized, gradual contact	611.5		3GP 3AGP 3BGP			144 755 (11.5-13ft)
12.5	ML-CLAYEY SILT (LACUSTRINE), trace fine sand, trace gravel, low plasticity, gray, moist, varving beds slightly visable						
15.0	- lower plasticity @ 15.0 to 20.0ft BGS		BENTONITE GROUT	(4AGP)			1531 (15-17ft)
17.5				4GP 4BGP			770 (17-19ft)
20.0	BOTTOM OF BOREHOLE @ 20.0ft. BGS	603.0		4CGP			2.7 (19-20ft)
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP11-01
DATE COMPLETED: FEBRUARY 1, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	616.9					
	ML-SILT (TOPSOIL), with to little clay, trace to little fine sand, low plasticity, black, moist, rootlets	616.4					
-2.5	ML-SILT, with to little clay, little fine sand, trace gravel, moderate plasticity, brown, moist, rootlets, slightly dilatant			1GP			
		612.7					
-5.0	SM-SAND seam with silt, fine grained, poorly graded, light gray, oxidized, moist	612.4	2" Ø BOREHOLE	1AGP			35.4 (4-5ft)
	ML-SILT, with clay, trace fine sand, trace gravel, low plasticity, brown, moist, mottled, fractured horizontally and vertically, oxidized						
-7.5	- very moist, medium to low plasticity, brown @ 5.0ft BGS	609.4		2AGP 2GP			3500 (6.5-7.5ft)
	- vertical fracture, evidence of impact, strong odor @ 7.0 to 7.5ft BGS		BENTONITE GROUT				
-10.0	ML-CLAYEY SILT (LACUSTRINE), trace fine sand, trace gravel, low plasticity, gray, moist			2BGP			150.1 (7-10ft)
	- vertical fracture, evidence of impact, strong odor @ 7.5 to 7.8ft BGS	604.9		3GP 3AGP			25 (11.5-12ft)
-12.5	- slight increase in clay content, more competent @ 10.0ft BGS						
-15.0	BOTTOM OF BOREHOLE @ 12.0ft. BGS						
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP12-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	616.7					
	SP/GP-COARSE SAND and GRAVEL (FILL), brown, dry						
		614.7					
2.5	ML-SANDY SILT (FILL), trace clay and gravel, brown, moist	613.7		1GP			
	ML-SILT, sandy silt, trace clay and gravel, dark gray, presence of black organic lenses (topsoil)		2" Ø BOREHOLE	1AGP			25 (3.5-4.5ft)
5.0		611.7		2AGP			2703 (5.5-7ft)
	ML-SILTY SAND, trace gravel, low plasticity, brown, moist	610.2					
7.5	ML-CLAYEY and SANDY SILT (LACUSTRINE), trace gravel, gray, moist, varving visible		BENTONITE GROUT	2GP			
				2BGP			18 (7-8ft)
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	606.7		2CGP			(9-10ft)
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP13-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.7					
	ML-SANDY SILT (FILL), some clay and gravel, few rootlets, low plasticity, light brown, moist						
-2.5				1GP 1AGP			9 (2-3ft)
	TOPSOIL, sandy silt, dark black, wet	612.2					
	ML-SAND and CLAYEY SILT, trace gravel, gray, moist, light chemical odor	611.2	2" Ø BOREHOLE				
-5.0				2AGP			136 (5-6.5ft)
	- becoming with visible varving, dry @ 6.5ft BGS						
-7.5				2GP			
			BENTONITE GROUT	2BGP			6 (8-9ft)
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	605.7					
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP15-01
DATE COMPLETED: FEBRUARY 1, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	617.4					
	ML-SILT (TOPSOIL), with to little clay, trace fine sand, low plasticity, dark brown, moist, rootlets	616.4					
-2.5	ML-SILT, with clay, trace fine sand, trace gravel, low plasticity, brown, moist, fractured horizonally and vertically, oxidized, mottled			1GP			
	- very moist to wet, dilatant @ 2.5 to 3.5ft BGS			1AGP			240 (3-5ft)
-5.0	- slight to strong chemical odor @ 5.0 to 7.5ft BGS		2" Ø BOREHOLE	2AGP			2500 (5-9ft)
-7.5		609.9		2GP			
	ML-CLAYEY SILT (LACUSTRINE), trace fine sand, trace gravel, low plasticity, gray, moist, varving bedding planes visable, slight chemical odor		BENTONITE GROUT	2BGP			148 (8-10ft)
-10.0				3GP			61
-12.5	BOTTOM OF BOREHOLE @ 12.5ft. BGS	604.9					
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP16-01
DATE COMPLETED: FEBRUARY 1, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	616.1					
	ML-SILT (TOPSOIL), with to little clay, little fine sand, low plasticity, dark brown, moist, rootlets	615.8					
--2.5	SP-SAND, with silt, trace gravel, fine grained, poorly graded, brown, moist	615.7		1GP			
	ML-SILT, with to and clay, trace fine sand, trace gravel, low plasticity, brown, moist, rootlets, fractured			1AGP			813 (3-5ft)
--5.0	- very moist, slightly dilatant, faint odor @ 2.0ft BGS		2" Ø BOREHOLE	2AGP			4000 (5-7ft)
	- moist, fractured horizontally and vertically, slight chemical odor @ 3.0ft BGS	609.6		2GP			
--7.5	- SM-SAND (LOAM), little silt, fine grained, poorly graded, brown, moist, strong chemical odor @ 5.3 to 5.5ft BGS		BENTONITE GROUT				
--10.0	ML-CLAYEY SILT (LACUSTRINE), trace fine sand, trace gravel, low plasticity, gray, moist, varved, strong chemical odor,			2BGP			494.1 (9-10ft)
	- slight odor @ 7.5ft BGS	604.1		3GP			
--12.5	- extremely hard, slight increase in clay content, more competent, varving less visable @ 10.0ft BGS			3AGP			161 (11-12ft)
--15.0	BOTTOM OF BOREHOLE @ 12.0ft. BGS						
--17.5							
--20.0							
--22.5							
--25.0							
--27.5							
--30.0							
--32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ *STATIC WATER LEVEL* ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP17-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	618.8					
	ML-SANDY SILT (TOPSOIL), trace gravel, dark brown, wet	617.8					
2.5	ML-CLAYEY and SANDY SILT, trace gravel, low plasticity, brown, moist, varving visible			1GP			
5.0			2" Ø BOREHOLE	1AGP			1.3 (3-5ft)
7.5				2AGP 2GP			1.0 (7-8.0ft)
	ML-CLAYEY SILT (LACUSTRINE), trace fine grained sand and gravel, low plasticity, gray, moist to dry, varving visible	610.8	BENTONITE GROUT	2BGP			1.5 (8-10ft)
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	608.8					
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP18-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	615.8					
	ML-SILT (TOPSOIL), trace sand and gravel, dark brown, wet	614.8					
-2.5	ML-CLAYEY and SANDY SILT, trace gravel, low plasticity, varved from 3.5ft BGS			1GP			
-5.0			2" Ø BOREHOLE	1AGP			3.0 (3-5ft)
				2AGP			224 (5-7.0ft)
-7.5		608.8		2GP			
	ML-CLAYEY SILT (LACUSTRINE), some sand, trace gravel, gray, moist, varved to 10.0ft BGS		BENTONITE GROUT	2BGP			438 (7.5-9.5ft)
-10.0	- wet @ 10.0ft BGS			3AGP			54
				3GP			(10-12ft)
-12.5	BOTTOM OF BOREHOLE @ 12.5ft. BGS	603.3					
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP19-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	616.3					
	ML-SILT (TOPSOIL), trace sand and gravel, dark brown, moist	615.6					
2.5	ML-CLAYEY and SANDY SILT, trace gravel, varving visible from 3.0ft BGS, strong odor			1GP			
5.0			2" Ø BOREHOLE	1AGP			3568 (3-5ft)
	- becoming gray/brown from 6.0ft BGS						
7.5			BENTONITE GROUT	2AGP			6189 (5.5-7.5ft)
				2GP			
	ML-CLAYEY SILT (LACUSTRINE), some sand, trace gravel, gray, moist, varving visible	607.3		2BGP			891 (9-10ft)
10.0							
12.5				3AGP 3GP			30 (11-13ft)
15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	601.3		3BGP			0.3 (14-15ft)
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP20-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	616.5					
	ML-SANDY and CLAYEY SILT (FILL), trace gravel	616.2					
	ML-SILT (TOPSOIL), trace sand and gravel, dark brown, moist	615.2					
-2.5	ML-CLAYEY and SANDY SILT, trace gravel, low plasticity, brown			1GP			
			2" Ø BOREHOLE	1AGP			32 (3-5ft)
-5.0				2AGP			2.0 (5-6ft)
	ML-CLAYEY SILT (LACUSTRINE), some sand, trace gravel, gray, moist, varving visible	610.5					
-7.5			BENTONITE GROUT	2BGP			43 (7-9ft)
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	606.5					
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP21-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	614.0					
2.5	ML-CLAYEY and SANDY SILT, trace gravel, trace rootlets, low plasticity, brown		2" Ø BOREHOLE	1GP			
5.0	– becoming very soft and saturated @ 5.0ft BGS			1AGP 2AGP			3.0 (4-5ft) 1286 (5-6ft) 81 (6.5-8ft)
7.5	ML-SANDY and CLAYEY SILT (LACUSTRINE), *trace gravel, varving visible horizontally*	608.0	BENTONITE GROUT	2GP 2BGP			
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	604.0		2CGP			1 (9-10ft)
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ⊽ STATIC WATER LEVEL ⊻
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP22-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	613.5					
	ML-SANDY SILT (TOPSOIL), trace rootlets	*613.0*					
	ML-CLAYEY SILT, some sand, trace gravel, slightly plastic, moist						
-2.5		*610.5*		1GP 1AGP			4 (2-3ft)
	ML-SANDY and CLAYEY SILT (LACUSTRINE), *trace gravel, varving visible, dry to moist*		2" Ø BOREHOLE	1BGP			77 (4-5ft)
-5.0							
-7.5			BENTONITE GROUT	2GP 2AGP			4 (5.5-7ft)
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	*603.5*		2BGP			0.8 (9-10ft)
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-50)
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP23-01
DATE COMPLETED: FEBRUARY 1, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	614.2					
	ML-SILT (TOPSOIL), with clay, trace fine sand, low plasticity, black, moist, rootlets	613.5					
2.5	ML-SILT, with clay, little fine sand, trace gravel, low plasticity, brown, moist, fractured horizontally and vertically, oxidized, mottled		2" Ø BOREHOLE	1GP			
5.0		608.7		1AGP			69.3 (3-5ft)
	ML-CLAYEY SILT (LACUSTRINE), trace fine sand, trace gravel, low plasticity, gray, moist, varving present						
7.5			BENTONITE GROUT	2GP 2AGP 2BGP			15.3 (5.5-7.5ft) 14.3 (7.5-10ft)
10.0	- increase in clay content, more massive in appearance @ 9.5 to 10.0ft BGS	604.2					
	BOTTOM OF BOREHOLE @ 10.0ft. BGS						
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: *MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE*
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-100)
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP24-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	613.8					
	ML-SILT (TOPSOIL), trace sand and clay, dark brown, moist	612.8					
--2.5	ML-CLAYEY SILT, *trace gravel and sand*, low plasticity, brown, moist			1GP			
--5.0	– slight chemical odor @ 5.0ft BGS		2" Ø BOREHOLE	1AGP			0.3 (3-5ft)
--7.5				2AGP			305 (5.5-7ft)
	ML-CLAYEY SILT (LACUSTRINE), trace fine grained sand and gravel, low plasticity, gray, moist, varving visible	605.8	BENTONITE GROUT	2GP			
--10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	603.8		2BGP			59 (8-10ft)
--12.5							
--15.0							
--17.5							
--20.0							
--22.5							
--25.0							
--27.5							
--30.0							
--32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-101)
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP25-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	613.3					
2.5	ML-SILT (TOPSOIL), trace sand and gravel, dark brown, dry	*612.3*					
	ML-CLAYEY SILT, trace sand and gravel, low plasticity, brown,m oist			1GP			
5.0			2" Ø BOREHOLE	1AGP			2.0 (3-5ft)
		607.3		2AGP			127 (5.5-6.5ft)
7.5	ML-CLAYEY SILT (LACUSTRINE), trace fine grained sand and gravel, low plasticity, gray, moist to dry, varving visible		BENTONITE GROUT	2GP 2BGP			11 (7-9ft)
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	*603.3*					
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-75)
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP26-01
DATE COMPLETED:
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	612.8					
	ML-SANDY SILT (TOPSOIL), trace gravel, dark brown, moist	611.8					
-2.5	ML-SANDY SILT, some clay, trace gravel, medium to low plasticity, brown, moist			1GP			
	- becoming soft, wet @ 4.0ft BGS		2" Ø BOREHOLE	1AGP			1 (3-5ft)
-5.0	- becoming varved from 5.0ft BGs, strong chemical odor			2AGP			10718 (5-6ft)
	ML-SANDY SILT (LACUSTRINE), some clay, trace gravel, low plasticity	606.8					
-7.5			BENTONITE GROUT	2GP 2BGP			5 (7-8ft)
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	602.8		2CGP			1 (9-10ft)
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP27-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	612.7					
0	ML-SANDY SILT (TOPSOIL), trace clay, few rootlets, dark brown, dry	*612.0*					
2.5	ML-SANDY SILT, some clay, trace gravel, low plasticity, brown, moist - becoming with visible varving from 3.0ft BGS, chemical odor	*608.7*	2" Ø BOREHOLE	1GP 1AGP 1BGP			30 (3-4ft) 8659 (4-5ft)
5.0	ML-SANDY SILT (LACUSTRINE), some clay, trace gravel, visible varving (horizontal)						
7.5			BENTONITE GROUT	2GP 2AGP			4 (5.5-7.5ft)
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	*602.7*		2BGP			0 (9-10ft)
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP28-01
DATE COMPLETED: FEBRUARY 1, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	612.1					
	ML-SILT (TOPSOIL), with clay, with to little fine sand, low plasticity, black, moist, rootlets	611.6					
2.5	ML-SILT, with to and clay, trace fine sand, trace gravel, low plasticity, brown, moist, fractured horizonally and vertically, oxidized, mottled, rootlets			1GP			
	- no rootlets @ 2.0ft BGS	608.1		1AGP			2.1 (3-4ft)
5.0	- hard @ 3.0ft BGS			1BGP			0.0 (4-5ft)
	ML-CLAYEY SILT (LACUSTRINE), trace to little fine sand, trace gravel, low plasticity, gray, moist, varving present			2GP			1.8 (5-7.5ft)
7.5	- extremely hard, varving very visable from 5.0 to 7.5ft BGS	604.6					
	BOTTOM OF BOREHOLE @ 7.5ft. BGS						
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP29-01
DATE COMPLETED: FEBRUARY 1, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	612.8					
	ML-SILT (TOPSOIL), with clay, little fine sand, low plasticity, black, moist, rootlets	612.3					
2.5	ML-SILT, with clay, with to little fine sand, trace gravel, low plasticity, brown, moist, fractured horizontally and vertically, oxidized, mottled, rootlets			1GP			
5.0	- and fine sand, wet, dilatant, no rootlets from 2.0 to 2.5ft BGS	608.0	2" Ø BOREHOLE	1AGP			194.6 (3.5-5ft)
	- very hard, fracturing very visable from 2.5 to 4.8ft BGS			2AGP			268 (5-7.5ft)
7.5	ML-CLAYEY SILT (LACUSTRINE), trace to little fine sand, trace gravel, hard, low plasticity, gray, moist, varving present		BENTONITE GROUT	2GP			
10.0	- very hard, low plasticity, varving very visable @ 5.0ft BGS			2BGP			14.6 (9-10ft)
	- slight clay content increase-more competent @ 9.5 to 10.0ft BGS	602.8					
	BOTTOM OF BOREHOLE @ 10.0ft. BGS						
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

(WL-51)
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP30-01
DATE COMPLETED: FEBRUARY 1, 2001
DRILLING METHOD: 2" Ø GEOPORBE
CRA SUPERVISOR: D.GRAY

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	612.5					
	ML-SILT (TOPSOIL), with clay, with to little fine sand, low plasticity, black, moist, rootlets	611.8					
-2.5	ML-SILT, with to and clay, little fine sand, trace gravel, low plasticity, brown, moist, rootlets – very moist to wet, dilatant, oxidized @ 2.0ft BGS		2" Ø BOREHOLE	1GP 1AGP			51.6 (3-5ft)
-5.0		607.0					
-7.5	ML-CLAYEY SILT (LACUSTRINE), trace fine sand, trace gravel, low plasticity, gray, moist, varving present		BENTONITE GROUT	2AGP 2GP 2BGP			349 (5.5-7.5ft) 6.1 (7.5-10ft)
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	602.5					
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ *STATIC WATER LEVEL* ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP31-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	624.2					
	TOPSOIL, silt and sand, low to medium plasticity, dark brown, moist, rootlets	*624.0*					
	ML-SILT (FILL), some fine sand, trace clay, trace gravel, medium plasticity, medium brown to dark brown, some gray, moist, piece of porcelain (foreign material)	*622.7*					
2.5				1GP			
5.0	ML-SILT, some fine sand, trace clay, low plasticity, medium brown, moist, varving visible (horizontal), rootlets			1AGP			56 (4-4.5ft)
		617.9	2" Ø BOREHOLE				
7.5	CL-CLAYEY SILT, trace fine sand, trace gravel, medium to high plasticity, gray to dark gray, rootlets, moist to very moist, same as above, more clean, less fine sand			2AGP 2GP			77 (6.5-7ft)
10.0							
12.5			BENTONITE GROUT	3GP			
15.0	– thin layer of sand, some clay, low plasticity, dark gray, moist @ 14.8ft BGS			3AGP			3476 (14-14.5ft)
		607.5					
17.5	CL-CLAYEY SILT (LACUSTRINE), little fine *sand, trace gravel, medium plasticity, gray,* moist, free product, chemical odor						
20.0	*BOTTOM OF BOREHOLE @ 20.0ft. BGS*	*604.2*					
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP31A-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	624.2					
	TOPSOIL, silt and sand, rootlets, low to medium plasticity, dark brown, moist	623.9					
-2.5	ML-SILT (FILL), some fine sand, trace clay, trace gravel, medium plasticity, brown, some gray, moist	622.0		1GP			
	ML-SILT and FINE SAND, trace clay, trace gravel, rootlets, low to medium plasticity, light brown, varving visible (horizontal)		2" Ø BOREHOLE				
-5.0				1AGP			2.4 (4.5-5ft)
	- more clay, little gravel, medium plasticity @ 6.8ft BGS						
-7.5				2GP			
			BENTONITE GROUT				
	CL-CLAY, silt, little sand, trace gravel, rootlets, high plasticity, gray to dark gray, moist	615.4		2AGP			24 (8-10ft)
-10.0							
	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low to medium plasticity, gray, moist	613.1		3GP			
-12.5							
-15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	609.2		3AGP			18 (14.5-15ft)
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP32-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	617.0					
	ML/SM-SILT and SAND (FILL), trace clay, medium plasticity, gray brown, moist, trace rootlets	615.1					
2.5	TOPSOIL, silt, some sand, medium plasticity, trace clay, trace gravel, brown, rootlets	614.8		1GP			
	ML-SILT, little clay, trace fine sand, medium to high plasticity, gray to light brown, moist	614.1					
5.0	CL-CLAYEY SILT, trace fine sand, high plasticity, gray to light brown, moist		2" Ø BOREHOLE				
		610.3					
7.5	SM-SAND, some silt, trace clay, low plasticity, gray, moist	609.8		2GP 2AGP			
	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low plasticity, gray, varving visible (horizontal)						
10.0				2BGP			1100 (9-10ft)
	- free product @ 11.0 to 15.0ft BGS		BENTONITE GROUT				
12.5							
15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	602.0					
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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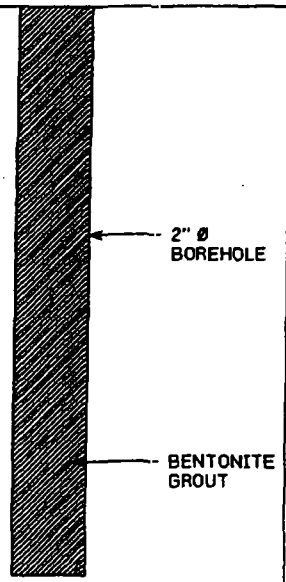
PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP32A-01
DATE COMPLETED:
DRILLING METHOD:
CRA SUPERVISOR:

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	617.0					
	Drove down to 10.0ft BGS						
--10.0	ML-CLAYEY SILT (LACUSTRINE), little fine sand, low plasticity, gray, moist, chemical odor, free product	607.0					
--15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	602.0					



SAMPLE NUMBER: 1GP, 1AGP
SAMPLE PID (ppm): 7450 (14.5-15ft)

--2.5
--5.0
--7.5
--12.5
--17.5
--20.0
--22.5
--25.0
--27.5
--30.0
--32.5

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP33-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	617.8					
	ML-SILT, with to and clay, little sand, rootlets, low to medium plasticity, dark to red brown, oxidized, moist	617.3					
2.5	ML-SILT, some clay, rootlets, medium plasticity, gray to gray brown, moist, fractured vertical and horizontal			1GP			
		613.3	2" Ø BOREHOLE	1AGP			80 (3-5ft)
5.0	CL-CLAY, some silt, little sand, medium plasticity, gray brown, moist	612.3		2AGP			234 (5-5.5ft)
7.5	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low plasticity, gray, moist, varving visible		BENTONITE GROUT	2GP			
10.0				2BGP			129 (8-10ft)
12.5				3GP			
15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	602.8		3AGP			24.5 (14-15ft)
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: *FIELDS BROOK SUPERFUND SITE*
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP34-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	623.3					
	ML-SILT, with to and clay, little sand, rootlets, low to medium plasticity, dark brown, moist	*622.7*					
-2.5	ML-SILT, little clay, little fine sand, trace gravel, rootlets, low plasticity, brown, moist, oxidized, fractured vertical and horizontal - dark brown @ 3.5ft BGS			1GP 1AGP			0 (3-4ft)
-5.0	- little sand, rootlets, low to medium plasticity, dark brown to red brown, fractured vertical and horizontal @ 4.0ft BGS		← 2" ø BOREHOLE				
	CL-CLAY, trace silt, little sand, gray	*616.8*					
-7.5	CL-CLAY, trace silt, medium to high plasticity, gray to brown	*615.3*	BENTONITE GROUT	2AGP 2GP			0 (6.5-8ft)
-10.0				3AGP 3GP			35 (10-12ft)
-12.5	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low plasticity, gray, moist, varving visible	*610.8*		(4AGP)			0 (13-13.5ft)
-15.0				4GP			
	BOTTOM OF BOREHOLE @ 17.0ft. BGS	*606.3*					
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP35-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	618.5					
0	*ML-SILT (FILL), some fine sand, little gravel, trace clay, medium plasticity, light brown, moist*	*617.9*					
	CRUSHED STONE (1.4" Ø), low plasticity, black, chemical odor	*617.3*					
2.5	ML-CLAYEY SILT, some fine sand, little rootlets, medium plasticity, gray with light brown, oxidation		2" Ø BOREHOLE	1GP			
5.0				1AGP			30 (4.5-5ft)
7.5		*611.7*		2AGP 2GP			32 (6.8-7.2ft)
	ML-CLAYEY SILT (LACUSTRINE), little fine *sand, trace gravel, low plasticity, gray, moist,* varving visible (horizontal)		BENTONITE GROUT	2BGP			2.4 (8.5-9ft)
	BOTTOM OF BOREHOLE @ 9.0ft. BGS	*609.5*					
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP36-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	618.1					
	ML-SILT (TOPSOIL), some sand, trace gravel, trace clay, rootlets, medium plasticity, brown to light brown, moist	617.8					
-2.5	ML-SILT, little fine sand, trace clay, trace gravel, rootlets, low plasticity, moist - slightly more clay, oxidation @ 2.0ft BGS		2" Ø BOREHOLE	1GP 1AGP			7.6 (2.7-3ft)
-5.0		612.1		2AGP			33 (5-6ft)
-7.5	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low plasticity, gray, moist, visible varving (horizontal)		BENTONITE GROUT	2GP			
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	608.1		2BGP			20 (8.5-10ft)
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP37-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	616.9					
	ML-SILT (FILL), trace clay, trace fine grained sand, trace gravel, rootlets, medium plasticity, brown to dark brown, moist	615.9		1AGP			0 (1-1.5ft)
2.5	ML-SILT, trace clay, trace fine grained sand, trace gravel, low plasticity, light to medium brown, moist	613.4		~~1GP~~ 1BGP			7.01 (2.5-3.5ft)
	- very moist @ 2.5 to 3.5ft BGS		2" Ø BOREHOLE				
5.0	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low plasticity, gray, moist			2AGP			0 (5-7ft)
7.5			BENTONITE GROUT	2GP			
	- slightly less clay, varving visible @ 9.0ft BGS						
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	606.9		2BGP			1.0 (9-10ft)
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP38-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	617.9					
2.5	ML-SILT (FILL), with to and clay, trace fine grained sand, medium plasticity, brown to light brown with gray, moist		2" Ø BOREHOLE	1GP 1AGP			0 (1-1.5ft)
5.0	- slightly more clay, gray @ 5.0ft BGS	612.4		2AGP			0 (5-5.5ft)
7.5	ML-CLAYEY SILT (LACUSTRINE), little fine grained sand, trace gravel, low to medium plasticity, gray, very moist - slightly less clay, varving visible @ 6.5ft BGS		BENTONITE GROUT	2GP			
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	607.9		2BGP			0 (9.5-10ft)
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP39-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	621.2					
2.5	ML-SILT (FILL), some sand, trace clay, trace gravel, low to medium plasticity, brown to light brown, moist	619.2		1GP			
5.0	ML-SILT, trace clay, trace sand, some gravel, low plasticity, brown to light brown and some gray, dry to moist		2" Ø BOREHOLE	1AGP			0 (3-5ft)
7.5	ML-SILT, with clay, trace fine sand, some gravel, low to medium plasticity, gray, varving visible, fractured horizontal and vertical	615.2		2AGP			0 (6-7ft)
	- brown to light brown @ 7.0ft BGS	613.2	BENTONITE GROUT	2GP			
10.0	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low to medium plasticity, gray, moist			2BGP			12.8 (7-8ft)
	- slight decrease in clay, varving visible @ 10.0ft BGS			3GP			
12.5	BOTTOM OF BOREHOLE @ 13.0ft. BGS	608.2		3AGP			0 (12-13ft)
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP42-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	618.6					
	SM-SANDY SILT (FILL), trace clay, trace gravel, low to medium plasticity, brown with some gray, moist	617.8					
	SM/ML-SAND and SILT, trace clay, trace gravel, fine grained sand, low plasticity, moist	617.3					
2.5	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low plastlicty, light brown, varving visible (horizontal)		2" Ø BOREHOLE	1GP 1AGP			5.8 (0.8-1.3ft)
5.0	- slightly more clay, gray @ 6.3ft BGS		BENTONITE GROUT	2AGP			283 (6-6.5ft)
7.5				2GP			
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	608.6		2BGP			32 (9.5-10ft)
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP43-01
DATE COMPLETED: FEBRUARY 2, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	618.8					
	SM-SILTY SAND (FILL), little clay, trace gravel, trace rootlets, low to medium plasticity, brown with some gray, moist	617.9	2" Ø BOREHOLE				
2.5	ML-SILT, trace fine sand, trace gravel, trace rootlets, low plasticity, light brown, moist	616.0	BENTONITE GROUT	1AGP 1GP 1BGP			5.1 (2.3-2.7ft)
	SM/ML-SAND and SILT, trace clay, trace gravel, moist	615.7					26 (2.8-3.0ft)
5.0	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low plasticity, gray, moist, *slight varving (horizontal)*	613.8		1CGP			36 (4.5-5ft)
7.5	BOTTOM OF BOREHOLE @ 5.0ft. BGS						
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP44-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	618.0					
	ML-SILT (FILL), little fine sand, little gravel, medium plasticity, light brown, moist, rootlets	616.5					
-2.5	ML-SILT, trace clay, trace gravel, medium to high plasticity, gray to light gray, moist to very moist			1GP			
	- chemical odor @ 3.0ft BGS			1AGP			
-5.0	- very moist, crystalline chunks, amber in color, chemical odor @ 4.0 to 5.5ft BGS			2AGP			250 (3.5-4ft)
	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, gray to light gray, moist, chemical odor	612.5	2" Ø BOREHOLE	2GP			900 (4-4.5ft)
-7.5	- varving visible @ 6.5ft BGS			2BGP			120 (7.5-8ft)
-10.0				3GP			
-12.5			BENTONITE GROUT	3AGP			24 (12.5-13ft)
	BOTTOM OF BOREHOLE @ 13.0ft. BGS	605.0					
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
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CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP44A-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	618.0					
	ML-SILT (FILL), some fine sand, some gravel (3/4"Ø), trace clay, medium plasticity, light brown, moist	617.3		1AGP			1.1 (0.8-2ft)
2.5	ML-SILT, little fine sand, trace gravel, trace clay, light brown to brown, moist			1GP			
	- slightly more clay, rootlets, gray, moist, fractured horizontally and vertically @ 2.0ft BGS	613.5	2" Ø BOREHOLE	1BGP			27 (4-4.5ft)
5.0	- grading to silt and fine sand, trace gravel, moist @ 4.0ft BGS						
7.5	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, gray, moist		BENTONITE GROUT	2GP			
	- slightly less clay, varving visible (horizontal) @ 9.5 to 10.0ft BGS	608.0		2AGP			0 (9.5-10ft)
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS						
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
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STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP45-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	620.9					
	ML-SILT (FILL), trace clay, trace fine sand, trace gravel, rootlets, low plasticity, brown to light brown, oxidized	619.4					
-2.5	ML-SILT, trace clay, fine sand, trace gravel, low to medium plasticity, brown		2" Ø BOREHOLE	1GP			0 (2-4ft)
-5.0	CL-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, gray, horizontally and *vertically fractured*	615.9		2AGP 2GP			1.0 (5-6ft)
-7.5			BENTONITE GROUT				
-10.0	- slightly less clay @ 10.0 to 12.0ft BGS			3GP 3AGP			1.0 (10-12ft)
-12.5	BOTTOM OF BOREHOLE @ 12.0ft. BGS	608.9					
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP47-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	620.6					
	ML-SILT (FILL), little fine sand, trace gravel, rootlets, low plasticity, brown to dark brown, moist	620.3					
2.5	ML-SILT, trace clay, little fine sand, trace gravel, medium plasticity, light brown to beige, moist, oxidation platlets, fractured horizontally and vertically		2" ø BOREHOLE	1GP			
5.0	– slightly larger grained sand @ 3.5ft BGS			1AGP			4.1 (3.5–4ft)
	– slightly more clay, gray, mild varving (horizontal) @ 4.0ft BGS	614.6		2AGP			7.6 (5–6ft)
7.5	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, low plasticity, gray, varving visible		BENTONITE GROUT	2GP			
	– slightly more clay @ 8.0ft BGS						
10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	610.6		2BGP			0 (9.5–10ft)
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP48-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	620.6					
	ML-SILT (FILL), little sand, trace gravel, trace clay, low to medium plasticity, light brown, moist	619.6					
-2.5	ML-SILT, trace clay, little fine sand, trace gravel, rootlets, low to medium plasticity, light brown to beige, moist, presence of oxidation	617.6		1GP 1AGP			0.3 (2.5-3ft)
	SM-SAND, *some silt, trace clay, trace gravel,* trace rootlets, low plasticity, gray to dark gray		2" Ø BOREHOLE	1BGP			0.4 (4.5-5ft)
-5.0		615.1					
	ML-CLAYEY SILT (LACUSTRINE), little fine sand, trace gravel, gray, moist, varving visible		BENTONITE GROUT	2GP			
-7.5							
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	610.6		2AGP			0 (9.5-10ft)
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: *MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE*
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP49-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	625.5					
2.5	ML-SILT (FILL), trace fine sand, trace gravel, rootlets, low plasticity, gray-brown, moist			1GP			
5.0			2" Ø BOREHOLE	1AGP			0.3 (3-5ft)
7.5				2GP			
10.0	ML-SILT, little fine sand, trace gravel, rootlets, gray to light brown, moist, slight *chemical odor*	617.5	BENTONITE GROUT	2AGP			1.8 (9-10ft)
12.5	– trace fine sand, trace gravel, light brown to beige, slight chemical odor, moist, horizontal and vertical fractures @ 9.0ft BGS			3GP			
15.0	ML-CLAYEY SILT (LACUSTRINE), trace gravel, low plasticity, gray to light gray, moist	612.5		3AGP			2.4 (12.5-15ft)
17.5	BOTTOM OF BOREHOLE @ 15.0ft. BGS	610.5		3BGP			
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP51-01
DATE COMPLETED: FEBRUARY 3, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: D. MAPP

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	633.3					
	ML-SILT (TOPSOIL), trace fine grained sand, trace gravel, rootlets, medium plasticity, dark brown, moist	632.9					
-2.5	ML-SILT, little fine sand, trace gravel, low plasticity, light brown to red brown, mild oxidation, moist, varving visible (horizontal)		2" Ø BOREHOLE	1GP			
-5.0	- increase in clay, medium to high plasticity @ 4.0ft BGS - increase in clay, high plasticity @ 6.0ft BGS			1AGP			2.9 (4-5ft)
-7.5	ML-SILT, little fine sand, trace clay, trace gravel, low plasticity, light brown to medium brown, mild varving (horizontal), few vertical fractures	626.1	BENTONITE GROUT	2AGP 2GP			22 (7.5-7.7ft)
-10.0							
	- some clay, high plasticity, brown @ 11.7ft BGS						
-12.5	CL-CLAYEY SILT, little fine sand, trace gravel, medium plasticity, moist	621.0		3GP 3AGP 3BGP			12.1 (11.7-12.3ft) 1.2 (13-13.5ft)
-15.0	- less clay, varving visible (horizontal), low plasticity @ 15.5ft BGS						
-17.5				4GP			
				4AGP			0 (18-20ft)
-20.0	- slightly more clay, medium plasticity @ 20.6ft BGS						
-22.5				5GP			
				5AGP			0 (22.5-23.5ft)
	BOTTOM OF BOREHOLE @ 23.5ft. BGS	609.8					
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP52-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	633.0					
2.5	ML-SANDY SILT (TOPSOIL), trace clay and gravel, few rootlets, dark brown, moist	632.0					
	ML-SANDY SILT, trace clay and gravel, low plasticity, brown, moist, varving visible			1GP			
5.0			2" Ø BOREHOLE	1AGP			0 (3-5ft)
7.5				2GP 2AGP			0 (6-8.5ft)
	ML-CLAYEY SILT, trace gravel and fine sand, medium plasticity, gray, moist	624.5	BENTONITE GROUT				
10.0				2BGP			0 (9-10ft)
12.5	ML-SANDY SILT, some clay, trace gravel, low plasticity, brown, moist	621.0		3GP 3AGP			0 (10-12ft)
				3BGP			0 (12-14ft)
15.0	ML-SANDY SILT (LACUSTRINE), trace clay and gravel, low plasticity, gray, moist	618.0					
17.5				4GP 4AGP			0 (17-19ft)
20.0	BOTTOM OF BOREHOLE @ 20.0ft. BGS	613.0		4BGP			0 (19-20ft)
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP53-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	632.0					
	ML-SANDY SILT (TOPSOIL), trace clay and gravel, presence of rootlets, dark brown, moist	631.0					
2.5	ML-SANDY SILT, trace clay and gravel, low plasticity, brown, moist			1GP			
5.0			2" Ø BOREHOLE	1AGP			0.2 (3-5ft)
7.5	- becoming medium plasticity, wet @ 7.0ft BGS		BENTONITE GROUT	2GP, ~~2AGP~~, 2BGP			0 (6-8ft), 0 (8-9ft)
10.0	CL-SILTY CLAY, trace sand, high plasticity, gray with pinkish veins	623.0					
12.5				3GP, 3AGP			0 (11-13ft)
15.0	ML-SANDY SILT (LACUSTRINE), some clay, trace gravel, low plasticity, gray, moist	618.0		3BGP			0 (14-15ft)
17.5				4GP			
20.0	BOTTOM OF BOREHOLE @ 20.0ft. BGS	612.0		4AGP			0 (18-20ft)
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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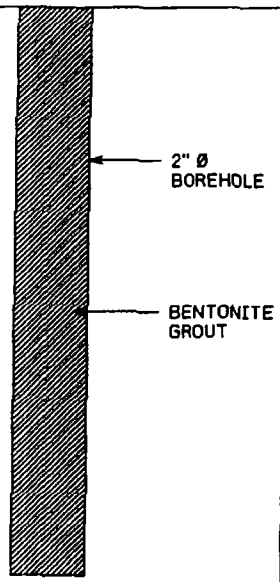
PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP54-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	621.6					
2.5	ML-SANDY SILT, trace clay and gravel, low plasticity, brown, moist to wet, varving visible between 2.0 and 3.0ft BGS - poor recovery @ 3.0 to 5.0ft BGS			1GP			
5.0		616.6		1AGP			0 (3-5ft)
7.5	ML-SANDY SILT, some clay, trace gravel, low plasticity, gray, moist, varving visible			2AGP			2 (5-7ft)
10.0				2GP			
12.5				2BGP			0 (9-10ft)
15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	606.6		3GP 3AGP			0 (11-13ft)
17.5				3BGP			0 (14-15ft)
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							



NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP55-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	621.8					
--2.5	ML-SANDY SILT, some clay, trace gravel, medium plasticity, brown, wet	619.3	2" Ø BOREHOLE	1GP			1 (3-4ft)
	- becoming gray/brown and moist @ 4.5ft BGS			1AGP			
--5.0	ML-SANDY SILT (LACUSTRINE), some clay, trace gravel, low plasticity, moist to dry, varving visible, no odor			1BGP			1 (4-5ft)
				2AGP			3 (5.5-7ft)
--7.5				2GP			
--10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	611.8	BENTONITE GROUT	2BGP			0 (9-10ft)
--12.5							
--15.0							
--17.5							
--20.0							
--22.5							
--25.0							
--27.5							
--30.0							
--32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP56-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	622.6					
0	ML-SANDY SILT, some clay, trace gravel, low plasticity, brown, moist						
2.5				1GP			
			2" Ø BOREHOLE	1AGP			0 (3-5ft)
5.0				2AGP			1 (5-6ft)
		616.6					
	ML-SANDY SILT, some clay, trace gravel, low plasticity, gray, moist, varving visible			2BGP 2GP			4 (6.5-8ft)
7.5			BENTONITE GROUT				
10.0	- becoming wet @ 10.0ft. BGS			2CGP			1 (9-10ft)
12.5				3GP 3AGP			0.3 (11-13ft)
		607.6					
15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS						
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP57-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	622.9					
0	ML-SANDY SILT (FILL), some clay, trace gravel, low plasticity, brown, moist, varving visible from surface						
-2.5	- compressed topsoil layers with roots @ 3.0ft. BGS	619.9		1GP			
	ML-SANDY SILT, some clay, trace gravel, low plasticity, brown, moist		2" Ø BOREHOLE	1AGP			0 (3-5ft)
-5.0	ML-SANDY SILT (LACUSTRINE), some clay, trace gravel, low plasticity, gray, varving visible, no odor	617.9					
-7.5			BENTONITE GROUT	2GP 2AGP 2BGP			0 (5-7ft) 0 (7.5-9.5ft)
-10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	612.9					
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP58-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	622.1					
0	ML-SANDY SILT (FILL), some clay, trace gravel, low plasticity, brown, moist, varving visible to 4.0ft BGS						
2.5				1GP			
	- compressed topsoil with rootlets @ 4.0ft BGS	618.1	2" Ø BOREHOLE	1AGP			0 (3-4ft)
5.0	ML-SANDY SILT, some clay, trace gravel, low plasticity, brown to gray, moist			2BGP			0 (4-5ft)
	- gray, varving visible @ 5.5 at 12.5ft BGS			2AGP			0 (5.5-7ft)
7.5			BENTONITE GROUT	2GP			
10.0	- becoming wet @ 10.0ft BGS			2BGP			0 (8-10ft)
				3GP 3AGP			0 (11-12ft)
12.5	BOTTOM OF BOREHOLE @ 12.5ft. BGS	609.6					
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ *STATIC WATER LEVEL* ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP59-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	622.1					
--2.5	ML-SANDY SILT, trace clay, trace gravel, low plasticity, brown, moist, varving visible		2" ø BOREHOLE	1GP			
--5.0				1AGP			0 (4-5ft)
	ML-SANDY SILT (LACUSTRINE), some clay, trace gravel, low plasticity, gray, moist, varving visible	616.6		2AGP			0 (5.5-7ft)
--7.5			BENTONITE GROUT	2GP			
--10.0	BOTTOM OF BOREHOLE @ 10.0ft. BGS	612.1		2BGP			0 (9-10ft)
--12.5							
--15.0							
--17.5							
--20.0							
--22.5							
--25.0							
--27.5							
--30.0							
--32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

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PROJECT NAME: FIELDS BROOK SUPERFUND SITE
PROJECT NUMBER: 11676
CLIENT: FIELDS BROOK ACTION GROUP
LOCATION: ASHTABULA, OHIO

HOLE DESIGNATION: GP60-01
DATE COMPLETED: FEBRUARY 4, 2001
DRILLING METHOD: GEOPROBE
CRA SUPERVISOR: L. PAQUETTE

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE	622.3					
2.5	ML-SANDY SILT, trace clay and gravel, low plasticity, brown, moist, varving visible from surface		2" Ø BOREHOLE	1GP			
5.0				1AGP			0 (3-5ft)
				2AGP			0.5 (5-6.5ft)
7.5	ML-SANDY SILT (LACUSTRINE), some clay, trace gravel, low plasticity, gray, moist, varving visible	615.8	BENTONITE GROUT	2GP			
10.0				2BGP			0.3 (8-10ft)
12.5				3GP 3AGP			0.1 (12-14ft)
15.0	BOTTOM OF BOREHOLE @ 15.0ft. BGS	607.3					
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

SECTION 6
FINAL ANALYTICAL DATA REPORTS AND DATA VALIDATION

FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

CONESTOGA-ROVERS
& ASSOCIATES

11100 Metro Airport Center Drive, Suite #160
Romulus, Michigan 48174
Telephone: (734) 942-0909 Fax: (734) 942-1858
www.CRAworld.com

MEMORANDUM

TO:	Jeff Daniel	REF. NO.:	11676-10
FROM:	Mary Cameron/mw/8/Det.	DATE:	March 5, 2001
RE:	Data Quality Assessment and Validation Test Pit Investigation Fields Brook Superfund Site Ashtabula, Ohio		

The following details a quality assessment and validation of the analytical data resulting from the January 16, 17 and January 18, 2001, collection of 12 soil and one (1) quality control sample from the Fields Brook Superfund Site in Ashtabula, Ohio. The sample summary detailing sample identification, sample location, quality control sample, and analytical parameters is presented in Table 1. Sample analysis was completed at Southern Petroleum Laboratories in Houston, Texas (SPL) in accordance the methodologies presented in Table 2. The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP).[1]

Holding Time Period and Sample Analysis

The holding time periods are presented in Table 3. The samples, as indicated by the sample collection, extraction and analysis dates on the chain-of-custody forms and analytical reports provided by SPL, were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free from detectable concentrations of target analytes, indicating no laboratory-attributable contamination occurred.

Laboratory Control Sample Analysis

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis. The LCS percent recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

[1] Application of quality assurance criteria was consistent with "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-94/012, February 1994

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ISO 9001
ENGINEERING DESIGN

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for the organic analyses was monitored by assessing the results of surrogate compound percent recoveries. The surrogate recovery acceptance criteria was met for all samples.

Matrix Spike/Matrix Spike Duplicate Percent Recoveries

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The MS/MSD percent recoveries and associated RPDs acceptance criteria were met for all analyses.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of one (1) field duplicate sample set. Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set. Table 4 summarizes the results of the detected analytes in the field duplicate sample sets. The high RPD value for target analyte list (TCL) volatile organic compounds (VOC) analysis could be attributed to the variability of soil samples and the natural heterogeneity of soil. The remainder of the data indicates that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE SUMMARY
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Sample Identification	*Sample Location*	*Depth (feet bgs)*	*Matrix*	*Sample QC*	*Parameters*
S-11676-160101-DRD-001	TT-24-01	6	Soil		TCL VOC, TCL SVOC
S-11676-160101-DRD-002	TT-25-01	5.5	Soil		TCL VOC, TCL SVOC
S-11676-160101-DRD-003	TT-25-01	10	Soil		TCL VOC, TCL SVOC
S-11676-160101-DRD-004	TP-27-01	12	Soil		TCL VOC, TCL SVOC
S-11676-170101-DRD-005	TT-30-01	5.5	Soil	MS/MSD	TCL VOC, TCL SVOC
S-11676-170101-DRD-006	TT-30-01	12	Soil		TCL VOC, TCL SVOC
S-11676-170101-DRD-007	TP-03-01	4 - 6	Soil		TCL VOC, TCL SVOC
S-11676-170101-DRD-008	TP-35-01	5	Soil		TCL VOC, TCL SVOC
S-11676-170101-DRD-009	TT-42-01	7.5	Soil		TCL VOC, TCL SVOC
S-11676-170101-DRD-010	TT-42-01	7.5	Soil	Duplicate of 009	TCL VOC, TCL SVOC
S-11676-180101-DRD-011	TT-45-01	5	Soil		TCL VOC, TCL SVOC
S-11676-180101-DRD-012	TT-45-01	10	Soil		TCL VOC, TCL SVOC
S-11676-180101-DRD-013	TT-16-01	9.5	Soil		TCL VOC, TCL SVOC

Notes:

TCL - Target Compound List

C - Volatile Organic Compounds

OC - Semi-Volatile Organic Compounds

TABLE 2

SUMMARY OF ANALYTICAL METHODS
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Parameter	*Method*
TCL VOC	SW-846 5035/8260B [1]
TCL SVOC	SW-846 8270C

[1] SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986

TABLE 3

HOLDING TIME PERIODS
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Analysis	*Holding Time Period*
TCL VOC	- 48 hours from sample collection to preservation - 14 days from sample extract to completion of analysis
TCL SVOC	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis

TABLE 4

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SET
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Parameter	*Investigative Sample*	*Duplicate Sample*	*RPD* [1]
	S-11676-170101-DRD-009	S-11676-170101-DRD-010	
TCL VOC (µg/kg)			
1,1-Dichloroethene	2,100	1,500	33
Tetrachloroethene	3,800	500	150
Trichloroethene	110,000	140,000	24
cis-1,2-Dichloroethene	3,900	3,700	5.3

Notes:

[1] RPD - Relative Percent Difference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

SR 26Feb01

Case Narrative for:

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01010416

Report To:			
Conestoga-Rovers & Associates		Project Name:	#11676-10, Fields Brook, Ashtabula, O
Paul Wiseman		Site:	#11676-10, Fields Brook
11100 Metro Airport Center Drive		Site Address:	
Suite 160			
Romulus		PO Number:	40-013971-0
MI		State:	Ohio/VAP
48174-		State Cert. No.:	CL0005
ph: (734) 942-0909	fax: (734) 942-3080	Date Reported:	1/29/01

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

JAN 31

SDG: 2

Sonia West
West, Sonia
Senior Project Manager

ORIGINAL ANALYTICAL REPORT
Project#: 11676-10 **Lab#:** 01010416
Name: Fields Brook
Description
Event: BDA
Samples: 4 Soil (1/16/01)
Analysis: SVOC, VOC

TAT: 14 day met
Lab: SPL
Checked Against Preliminary Data:
Date: 2/1/01 **Init.:** KnL
Date of Validation Memo: 01010416 Page 1
Invoice Approval Date: 1/29/01
Comments: Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01010416

Report To:	Conestoga-Rovers & Associates Paul Wiseman 11100 Metro Airport Center Drive Suite 160 Romulus MI 48174- ph: (734) 942-0909 fax: (734) 942-3080	**Project Name:**	#11676-10, Fields Brook, Ashtabula, O
		Site:	#11676-10, Fields Brook
		Site Address:	
		PO Number:	40-013971-0
		State:	Ohio/VAP
		State Cert. No.:	CL0005
Fax To:	Conestoga-Rovers & Associates Paul Wiseman fax : (734) 942-3080	**Date Reported:**	1/29/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-160101-DRD-001	01010416-01	Soil	1/16/01 11:15:00 AM	1/17/01 10:00:00 AM	091769	☐
S-11676-160101-DRD-002	01010416-02	Soil	1/16/01 12:20:00 PM	1/17/01 10:00:00 AM	091769	☐
S-11676-160101-DRD-003	01010416-03	Soil	1/16/01 2:45:00 PM	1/17/01 10:00:00 AM	091769	☐
S-11676-160101-DRD-004	01010416-04	Soil	1/16/01 3:30:00 PM	1/17/01 10:00:00 AM	091769	☐

West, Sonia
Senior Project Manager

1/29/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-001 Collected: 1/16/01 11:15:00 SPL Sample ID: 01010416-01

Site: #11676-10, Fields Brook

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330		1		01/18/01 17:22	P_C	536888
1,2-Dichlorobenzene	93	50		1		01/18/01 17:22	P_C	536888
1,3-Dichlorobenzene	ND	50		1		01/18/01 17:22	P_C	536888
1,4-Dichlorobenzene	ND	50		1		01/18/01 17:22	P_C	536888
2,4,5-Trichlorophenol	ND	1700		1		01/18/01 17:22	P_C	536888
2,4,6-Trichlorophenol	ND	330		1		01/18/01 17:22	P_C	536888
2,4-Dichlorophenol	ND	330		1		01/18/01 17:22	P_C	536888
2,4-Dimethylphenol	ND	330		1		01/18/01 17:22	P_C	536888
2,4-Dinitrophenol	ND	1700		1		01/18/01 17:22	P_C	536888
2,4-Dinitrotoluene	ND	330		1		01/18/01 17:22	P_C	536888
2,6-Dinitrotoluene	ND	330		1		01/18/01 17:22	P_C	536888
2-Chloronaphthalene	ND	330		1		01/18/01 17:22	P_C	536888
2-Chlorophenol	ND	330		1		01/18/01 17:22	P_C	536888
2-Methylnaphthalene	ND	330		1		01/18/01 17:22	P_C	536888
2-Nitroaniline	ND	1700		1		01/18/01 17:22	P_C	536888
2-Nitrophenol	ND	1700		1		01/18/01 17:22	P_C	536888
3,3'-Dichlorobenzidine	ND	2000		1		01/18/01 17:22	P_C	536888
3-Nitroaniline	ND	1700		1		01/18/01 17:22	P_C	536888
4,6-Dinitro-2-methylphenol	ND	1700		1		01/18/01 17:22	P_C	536888
4-Bromophenyl phenyl ether	ND	330		1		01/18/01 17:22	P_C	536888
4-Chloro-3-methylphenol	ND	1300		1		01/18/01 17:22	P_C	536888
4-Chloroaniline	ND	330		1		01/18/01 17:22	P_C	536888
4-Chlorophenyl phenyl ether	ND	330		1		01/18/01 17:22	P_C	536888
4-Nitroaniline	ND	1700		1		01/18/01 17:22	P_C	536888
4-Nitrophenol	ND	800		1		01/18/01 17:22	P_C	536888
Acenaphthene	ND	330		1		01/18/01 17:22	P_C	536888
Acenaphthylene	ND	330		1		01/18/01 17:22	P_C	536888
Anthracene	ND	330		1		01/18/01 17:22	P_C	536888
Benz(a)anthracene	ND	330		1		01/18/01 17:22	P_C	536888
Benzo(a)pyrene	ND	330		1		01/18/01 17:22	P_C	536888
Benzo(b)fluoranthene	ND	330		1		01/18/01 17:22	P_C	536888
Benzo(g,h,i)perylene	ND	330		1		01/18/01 17:22	P_C	536888
Benzo(k)fluoranthene	ND	330		1		01/18/01 17:22	P_C	536888
Bis(2-chloroethoxy)methane	ND	330		1		01/18/01 17:22	P_C	536888
Bis(2-chloroethyl)ether	ND	330		1		01/18/01 17:22	P_C	536888
Bis(2-chloroisopropyl)ether	ND	330		1		01/18/01 17:22	P_C	536888
Bis(2-ethylhexyl)phthalate	ND	330		1		01/18/01 17:22	P_C	536888
Butyl benzyl phthalate	ND	330		1		01/18/01 17:22	P_C	536888
Carbazole	ND	330		1		01/18/01 17:22	P_C	536888
Chrysene	ND	330		1		01/18/01 17:22	P_C	536888

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-001 **Collected:** 1/16/01 11:15:00 **SPL Sample ID:** 01010416-01

Site: #11676-10, Fields Brook

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/18/01 17:22	P_C	536888
Di-n-octyl phthalate	ND		330	1		01/18/01 17:22	P_C	536888
Dibenz(a,h)anthracene	ND		330	1		01/18/01 17:22	P_C	536888
Dibenzofuran	ND		330	1		01/18/01 17:22	P_C	536888
Diethyl phthalate	ND		330	1		01/18/01 17:22	P_C	536888
Dimethyl phthalate	ND		330	1		01/18/01 17:22	P_C	536888
Fluoranthene	ND		330	1		01/18/01 17:22	P_C	536888
Fluorene	ND		330	1		01/18/01 17:22	P_C	536888
Hexachlorobenzene	ND		330	1		01/18/01 17:22	P_C	536888
Hexachlorobutadiene	ND		330	1		01/18/01 17:22	P_C	536888
Hexachlorocyclopentadiene	ND		330	1		01/18/01 17:22	P_C	536888
Hexachloroethane	ND		100	1		01/18/01 17:22	P_C	536888
Indeno(1,2,3-cd)pyrene	ND		330	1		01/18/01 17:22	P_C	536888
Isophorone	ND		330	1		01/18/01 17:22	P_C	536888
N-Nitrosodi-n-propylamine	ND		330	1		01/18/01 17:22	P_C	536888
N-Nitrosodiphenylamine	ND		330	1		01/18/01 17:22	P_C	536888
Naphthalene	ND		330	1		01/18/01 17:22	P_C	536888
Nitrobenzene	ND		330	1		01/18/01 17:22	P_C	536888
Pentachlorophenol	ND		3400	1		01/18/01 17:22	P_C	536888
Phenanthrene	ND		330	1		01/18/01 17:22	P_C	536888
Phenol	ND		330	1		01/18/01 17:22	P_C	536888
Pyrene	ND		330	1		01/18/01 17:22	P_C	536888
2-Methylphenol	ND		330	1		01/18/01 17:22	P_C	536888
3 & 4-Methylphenol	ND		330	1		01/18/01 17:22	P_C	536888
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		01/18/01 17:22	P_C	536888
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		01/18/01 17:22	P_C	536888
Surr: 2-Fluorophenol	64.0	%	25-121	1		01/18/01 17:22	P_C	536888
Surr: Nitrobenzene-d5	76.5	%	23-120	1		01/18/01 17:22	P_C	536888
Surr: Phenol-d5	56.0	%	24-113	1		01/18/01 17:22	P_C	536888
Surr: Terphenyl-d14	82.4	%	18-137	1		01/18/01 17:22	P_C	536888

Prep Method	Prep Date	Prep Initials
SW3550B	01/18/2001 12:30	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-001 **Collected:** 1/16/01 11:15:00 **SPL Sample ID:** 01010416-01

Site: #11676-10, Fields Brook

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		120		125		01/19/01 18:20	JC	536664
1,1,2,2-Tetrachloroethane	ND		120		125		01/19/01 18:20	JC	536664
1,1,2-Trichloroethane	280		120		125		01/19/01 18:20	JC	536664
1,1-Dichloroethane	ND		120		125		01/19/01 18:20	JC	536664
1,1-Dichloroethene	570		120		125		01/19/01 18:20	JC	536664
1,2-Dichloroethane	ND		120		125		01/19/01 18:20	JC	536664
1,2-Dichloropropane	ND		120		125		01/19/01 18:20	JC	536664
2-Butanone	ND		6200		125		01/19/01 18:20	JC	536664
2-Hexanone	ND		6200		125		01/19/01 18:20	JC	536664
4-Methyl-2-pentanone	ND		6200		125		01/19/01 18:20	JC	536664
Acetone	ND		12000		125		01/19/01 18:20	JC	536664
Benzene	ND		120		125		01/19/01 18:20	JC	536664
Bromodichloromethane	ND		120		125		01/19/01 18:20	JC	536664
Bromoform	ND		120		125		01/19/01 18:20	JC	536664
Bromomethane	ND		120		125		01/19/01 18:20	JC	536664
Carbon disulfide	ND		620		125		01/19/01 18:20	JC	536664
Carbon tetrachloride	ND		120		125		01/19/01 18:20	JC	536664
Chlorobenzene	440		120		125		01/19/01 18:20	JC	536664
Chloroethane	ND		1200		125		01/19/01 18:20	JC	536664
Chloroform	ND		120		125		01/19/01 18:20	JC	536664
Chloromethane	ND		1200		125		01/19/01 18:20	JC	536664
dibromochloromethane	ND		120		125		01/19/01 18:20	JC	536664
Ethylbenzene	ND		120		125		01/19/01 18:20	JC	536664
Methylene chloride	ND		620		125		01/19/01 18:20	JC	536664
Styrene	ND		120		125		01/19/01 18:20	JC	536664
Tetrachloroethene	210000		2500		2500		01/23/01 21:47	TP	540427
Toluene	ND		120		125		01/19/01 18:20	JC	536664
trans-1,3-Dichloropropene	ND		120		125		01/19/01 18:20	JC	536664
Trichloroethene	270000		2500		2500		01/23/01 21:47	TP	540427
Vinyl chloride	ND		120		125		01/19/01 18:20	JC	536664
cis-1,2-Dichloroethene	3900		120		125		01/19/01 18:20	JC	536664
cis-1,3-Dichloropropene	ND		120		125		01/19/01 18:20	JC	536664
trans-1,2-Dichloroethene	580		120		125		01/19/01 18:20	JC	536664
Xylenes,Total	ND		380		125		01/19/01 18:20	JC	536664
Surr: 1,2-Dichloroethane-d4	96.0	%	70-120		125		01/19/01 18:20	JC	536664
Surr: 1,2-Dichloroethane-d4	104	%	70-120		2500		01/23/01 21:47	TP	540427
Surr: 4-Bromofluorobenzene	92.8	%	74-130		125		01/19/01 18:20	JC	536664
Surr: 4-Bromofluorobenzene	96.0	%	74-130		2500		01/23/01 21:47	TP	540427
Surr: Toluene-d8	96.0	%	80-140		125		01/19/01 18:20	JC	536664
Surr: Toluene-d8	96.0	%	80-140		2500		01/23/01 21:47	TP	540427

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-002 **Collected:** 1/16/01 12:20:00 **SPL Sample ID:** 01010416-02

Site: #11676-10, Fields Brook

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg		
1,2,4-Trichlorobenzene	ND	330		1		01/18/01 17:51	P_C	536889
1,2-Dichlorobenzene	ND	50		1		01/18/01 17:51	P_C	536889
1,3-Dichlorobenzene	ND	50		1		01/18/01 17:51	P_C	536889
1,4-Dichlorobenzene	ND	50		1		01/18/01 17:51	P_C	536889
2,4,5-Trichlorophenol	ND	1700		1		01/18/01 17:51	P_C	536889
2,4,6-Trichlorophenol	ND	330		1		01/18/01 17:51	P_C	536889
2,4-Dichlorophenol	ND	330		1		01/18/01 17:51	P_C	536889
2,4-Dimethylphenol	ND	330		1		01/18/01 17:51	P_C	536889
2,4-Dinitrophenol	ND	1700		1		01/18/01 17:51	P_C	536889
2,4-Dinitrotoluene	ND	330		1		01/18/01 17:51	P_C	536889
2,6-Dinitrotoluene	ND	330		1		01/18/01 17:51	P_C	536889
2-Chloronaphthalene	ND	330		1		01/18/01 17:51	P_C	536889
2-Chlorophenol	ND	330		1		01/18/01 17:51	P_C	536889
2-Methylnaphthalene	ND	330		1		01/18/01 17:51	P_C	536889
2-Nitroaniline	ND	1700		1		01/18/01 17:51	P_C	536889
2-Nitrophenol	ND	1700		1		01/18/01 17:51	P_C	536889
3,3'-Dichlorobenzidine	ND	2000		1		01/18/01 17:51	P_C	536889
3-Nitroaniline	ND	1700		1		01/18/01 17:51	P_C	536889
4,6-Dinitro-2-methylphenol	ND	1700		1		01/18/01 17:51	P_C	536889
4-Bromophenyl phenyl ether	ND	330		1		01/18/01 17:51	P_C	536889
4-Chloro-3-methylphenol	ND	1300		1		01/18/01 17:51	P_C	536889
4-Chloroaniline	ND	330		1		01/18/01 17:51	P_C	536889
4-Chlorophenyl phenyl ether	ND	330		1		01/18/01 17:51	P_C	536889
4-Nitroaniline	ND	1700		1		01/18/01 17:51	P_C	536889
4-Nitrophenol	ND	800		1		01/18/01 17:51	P_C	536889
Acenaphthene	ND	330		1		01/18/01 17:51	P_C	536889
Acenaphthylene	ND	330		1		01/18/01 17:51	P_C	536889
Anthracene	ND	330		1		01/18/01 17:51	P_C	536889
Benz(a)anthracene	ND	330		1		01/18/01 17:51	P_C	536889
Benzo(a)pyrene	ND	330		1		01/18/01 17:51	P_C	536889
Benzo(b)fluoranthene	ND	330		1		01/18/01 17:51	P_C	536889
Benzo(g,h,i)perylene	ND	330		1		01/18/01 17:51	P_C	536889
Benzo(k)fluoranthene	ND	330		1		01/18/01 17:51	P_C	536889
Bis(2-chloroethoxy)methane	ND	330		1		01/18/01 17:51	P_C	536889
Bis(2-chloroethyl)ether	ND	330		1		01/18/01 17:51	P_C	536889
Bis(2-chloroisopropyl)ether	ND	330		1		01/18/01 17:51	P_C	536889
Bis(2-ethylhexyl)phthalate	ND	330		1		01/18/01 17:51	P_C	536889
Butyl benzyl phthalate	ND	330		1		01/18/01 17:51	P_C	536889
Carbazole	ND	330		1		01/18/01 17:51	P_C	536889
Chrysene	ND	330		1		01/18/01 17:51	P_C	536889

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-002 **Collected:** 1/16/01 12:20:00 **SPL Sample ID:** 01010416-02

Site: #11676-10, Fields Brook

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/18/01 17:51	P_C	536889
Di-n-octyl phthalate	ND		330	1		01/18/01 17:51	P_C	536889
Dibenz(a,h)anthracene	ND		330	1		01/18/01 17:51	P_C	536889
Dibenzofuran	ND		330	1		01/18/01 17:51	P_C	536889
Diethyl phthalate	ND		330	1		01/18/01 17:51	P_C	536889
Dimethyl phthalate	ND		330	1		01/18/01 17:51	P_C	536889
Fluoranthene	ND		330	1		01/18/01 17:51	P_C	536889
Fluorene	ND		330	1		01/18/01 17:51	P_C	536889
Hexachlorobenzene	ND		330	1		01/18/01 17:51	P_C	536889
Hexachlorobutadiene	ND		330	1		01/18/01 17:51	P_C	536889
Hexachlorocyclopentadiene	ND		330	1		01/18/01 17:51	P_C	536889
Hexachloroethane	ND		100	1		01/18/01 17:51	P_C	536889
Indeno(1,2,3-cd)pyrene	ND		330	1		01/18/01 17:51	P_C	536889
Isophorone	ND		330	1		01/18/01 17:51	P_C	536889
N-Nitrosodi-n-propylamine	ND		330	1		01/18/01 17:51	P_C	536889
N-Nitrosodiphenylamine	ND		330	1		01/18/01 17:51	P_C	536889
Naphthalene	ND		330	1		01/18/01 17:51	P_C	536889
Nitrobenzene	ND		330	1		01/18/01 17:51	P_C	536889
Pentachlorophenol	ND		3400	1		01/18/01 17:51	P_C	536889
Phenanthrene	ND		330	1		01/18/01 17:51	P_C	536889
Phenol	ND		330	1		01/18/01 17:51	P_C	536889
Pyrene	ND		330	1		01/18/01 17:51	P_C	536889
2-Methylphenol	ND		330	1		01/18/01 17:51	P_C	536889
3 & 4-Methylphenol	ND		330	1		01/18/01 17:51	P_C	536889
Surr: 2,4,6-Tribromophenol	96.0	%	19-122	1		01/18/01 17:51	P_C	536889
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		01/18/01 17:51	P_C	536889
Surr: 2-Fluorophenol	76.0	%	25-121	1		01/18/01 17:51	P_C	536889
Surr: Nitrobenzene-d5	76.5	%	23-120	1		01/18/01 17:51	P_C	536889
Surr: Phenol-d5	68.0	%	24-113	1		01/18/01 17:51	P_C	536889
Surr: Terphenyl-d14	82.4	%	18-137	1		01/18/01 17:51	P_C	536889

Prep Method	Prep Date	Prep Initials
SW3550B	01/18/2001 12:30	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-002 **Collected:** 1/16/01 12:20:00 **SPL Sample ID:** 01010416-02

Site: #11676-10, Fields Brook

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg		
1,1,1-Trichloroethane	ND		120		125		01/19/01 18:46	JC	536667
1,1,2,2-Tetrachloroethane	ND		120		125		01/19/01 18:46	JC	536667
1,1,2-Trichloroethane	490		120		125		01/19/01 18:46	JC	536667
1,1-Dichloroethane	ND		120		125		01/19/01 18:46	JC	536667
1,1-Dichloroethene	840		120		125		01/19/01 18:46	JC	536667
1,2-Dichloroethane	ND		120		125		01/19/01 18:46	JC	536667
1,2-Dichloropropane	ND		120		125		01/19/01 18:46	JC	536667
2-Butanone	ND		6200		125		01/19/01 18:46	JC	536667
2-Hexanone	ND		6200		125		01/19/01 18:46	JC	536667
4-Methyl-2-pentanone	ND		6200		125		01/19/01 18:46	JC	536667
Acetone	ND		12000		125		01/19/01 18:46	JC	536667
Benzene	ND		120		125		01/19/01 18:46	JC	536667
Bromodichloromethane	ND		120		125		01/19/01 18:46	JC	536667
Bromoform	ND		120		125		01/19/01 18:46	JC	536667
Bromomethane	ND		120		125		01/19/01 18:46	JC	536667
Carbon disulfide	ND		620		125		01/19/01 18:46	JC	536667
Carbon tetrachloride	ND		120		125		01/19/01 18:46	JC	536667
Chlorobenzene	400		120		125		01/19/01 18:46	JC	536667
Chloroethane	ND		1200		125		01/19/01 18:46	JC	536667
Chloroform	ND		120		125		01/19/01 18:46	JC	536667
Chloromethane	ND		1200		125		01/19/01 18:46	JC	536667
dibromochloromethane	ND		120		125		01/19/01 18:46	JC	536667
Ethylbenzene	ND		120		125		01/19/01 18:46	JC	536667
Methylene chloride	ND		620		125		01/19/01 18:46	JC	536667
Styrene	ND		120		125		01/19/01 18:46	JC	536667
Tetrachloroethene	110000		2500		2500		01/23/01 22:13	TP	540428
Toluene	ND		120		125		01/19/01 18:46	JC	536667
trans-1,3-Dichloropropene	ND		120		125		01/19/01 18:46	JC	536667
Trichloroethene	260000		2500		2500		01/23/01 22:13	TP	540428
Vinyl chloride	ND		120		125		01/19/01 18:46	JC	536667
cis-1,2-Dichloroethene	4600		120		125		01/19/01 18:46	JC	536667
cis-1,3-Dichloropropene	ND		120		125		01/19/01 18:46	JC	536667
trans-1,2-Dichloroethene	830		120		125		01/19/01 18:46	JC	536667
Xylenes,Total	ND		380		125		01/19/01 18:46	JC	536667
Surr: 1,2-Dichloroethane-d4	97.6	%	70-120		125		01/19/01 18:46	JC	536667
Surr: 1,2-Dichloroethane-d4	96.0	%	70-120		2500		01/23/01 22:13	TP	540428
Surr: 4-Bromofluorobenzene	91.2	%	74-130		125		01/19/01 18:46	JC	536667
Surr: 4-Bromofluorobenzene	88.0	%	74-130		2500		01/23/01 22:13	TP	540428
Surr: Toluene-d8	97.6	%	80-140		125		01/19/01 18:46	JC	536667
Surr: Toluene-d8	96.0	%	80-140		2500		01/23/01 22:13	TP	540428

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-003 **Collected:** 1/16/01 2:45:00 **SPL Sample ID:** 01010416-03

Site: #11676-10, Fields Brook

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330	1		01/18/01 18:19	P_C	536890
1,2-Dichlorobenzene	ND	50	1		01/18/01 18:19	P_C	536890
1,3-Dichlorobenzene	ND	50	1		01/18/01 18:19	P_C	536890
1,4-Dichlorobenzene	ND	50	1		01/18/01 18:19	P_C	536890
2,4,5-Trichlorophenol	ND	1700	1		01/18/01 18:19	P_C	536890
2,4,6-Trichlorophenol	ND	330	1		01/18/01 18:19	P_C	536890
2,4-Dichlorophenol	ND	330	1		01/18/01 18:19	P_C	536890
2,4-Dimethylphenol	ND	330	1		01/18/01 18:19	P_C	536890
2,4-Dinitrophenol	ND	1700	1		01/18/01 18:19	P_C	536890
2,4-Dinitrotoluene	ND	330	1		01/18/01 18:19	P_C	536890
2,6-Dinitrotoluene	ND	330	1		01/18/01 18:19	P_C	536890
2-Chloronaphthalene	ND	330	1		01/18/01 18:19	P_C	536890
2-Chlorophenol	ND	330	1		01/18/01 18:19	P_C	536890
2-Methylnaphthalene	ND	330	1		01/18/01 18:19	P_C	536890
2-Nitroaniline	ND	1700	1		01/18/01 18:19	P_C	536890
2-Nitrophenol	ND	1700	1		01/18/01 18:19	P_C	536890
3,3'-Dichlorobenzidine	ND	2000	1		01/18/01 18:19	P_C	536890
3-Nitroaniline	ND	1700	1		01/18/01 18:19	P_C	536890
4,6-Dinitro-2-methylphenol	ND	1700	1		01/18/01 18:19	P_C	536890
4-Bromophenyl phenyl ether	ND	330	1		01/18/01 18:19	P_C	536890
4-Chloro-3-methylphenol	ND	1300	1		01/18/01 18:19	P_C	536890
4-Chloroaniline	ND	330	1		01/18/01 18:19	P_C	536890
4-Chlorophenyl phenyl ether	ND	330	1		01/18/01 18:19	P_C	536890
4-Nitroaniline	ND	1700	1		01/18/01 18:19	P_C	536890
4-Nitrophenol	ND	800	1		01/18/01 18:19	P_C	536890
Acenaphthene	ND	330	1		01/18/01 18:19	P_C	536890
Acenaphthylene	ND	330	1		01/18/01 18:19	P_C	536890
Anthracene	ND	330	1		01/18/01 18:19	P_C	536890
Benz(a)anthracene	ND	330	1		01/18/01 18:19	P_C	536890
Benzo(a)pyrene	ND	330	1		01/18/01 18:19	P_C	536890
Benzo(b)fluoranthene	ND	330	1		01/18/01 18:19	P_C	536890
Benzo(g,h,i)perylene	ND	330	1		01/18/01 18:19	P_C	536890
Benzo(k)fluoranthene	ND	330	1		01/18/01 18:19	P_C	536890
Bis(2-chloroethoxy)methane	ND	330	1		01/18/01 18:19	P_C	536890
Bis(2-chloroethyl)ether	ND	330	1		01/18/01 18:19	P_C	536890
Bis(2-chloroisopropyl)ether	ND	330	1		01/18/01 18:19	P_C	536890
Bis(2-ethylhexyl)phthalate	ND	330	1		01/18/01 18:19	P_C	536890
Butyl benzyl phthalate	ND	330	1		01/18/01 18:19	P_C	536890
Carbazole	ND	330	1		01/18/01 18:19	P_C	536890
Chrysene	ND	330	1		01/18/01 18:19	P_C	536890

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-003 **Collected:** 1/16/01 2:45:00 **SPL Sample ID:** 01010416-03

Site: #11676-10, Fields Brook

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/18/01 18:19	P_C	536890
Di-n-octyl phthalate	ND		330	1		01/18/01 18:19	P_C	536890
Dibenz(a,h)anthracene	ND		330	1		01/18/01 18:19	P_C	536890
Dibenzofuran	ND		330	1		01/18/01 18:19	P_C	536890
Diethyl phthalate	ND		330	1		01/18/01 18:19	P_C	536890
Dimethyl phthalate	ND		330	1		01/18/01 18:19	P_C	536890
Fluoranthene	ND		330	1		01/18/01 18:19	P_C	536890
Fluorene	ND		330	1		01/18/01 18:19	P_C	536890
Hexachlorobenzene	330		330	1		01/18/01 18:19	P_C	536890
Hexachlorobutadiene	ND		330	1		01/18/01 18:19	P_C	536890
Hexachlorocyclopentadiene	ND		330	1		01/18/01 18:19	P_C	536890
Hexachloroethane	120		100	1		01/18/01 18:19	P_C	536890
Indeno(1,2,3-cd)pyrene	ND		330	1		01/18/01 18:19	P_C	536890
Isophorone	ND		330	1		01/18/01 18:19	P_C	536890
N-Nitrosodi-n-propylamine	ND		330	1		01/18/01 18:19	P_C	536890
N-Nitrosodiphenylamine	ND		330	1		01/18/01 18:19	P_C	536890
Naphthalene	ND		330	1		01/18/01 18:19	P_C	536890
Nitrobenzene	ND		330	1		01/18/01 18:19	P_C	536890
Pentachlorophenol	ND		3400	1		01/18/01 18:19	P_C	536890
Phenanthrene	ND		330	1		01/18/01 18:19	P_C	536890
Phenol	ND		330	1		01/18/01 18:19	P_C	536890
Pyrene	ND		330	1		01/18/01 18:19	P_C	536890
2-Methylphenol	ND		330	1		01/18/01 18:19	P_C	536890
3 & 4-Methylphenol	ND		330	1		01/18/01 18:19	P_C	536890
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		01/18/01 18:19	P_C	536890
Surr: 2-Fluorobiphenyl	57.1	%	30-115	1		01/18/01 18:19	P_C	536890
Surr: 2-Fluorophenol	40.0	%	25-121	1		01/18/01 18:19	P_C	536890
Surr: Nitrobenzene-d5	50.0	%	23-120	1		01/18/01 18:19	P_C	536890
Surr: Phenol-d5	35.6	%	24-113	1		01/18/01 18:19	P_C	536890
Surr: Terphenyl-d14	82.4	%	18-137	1		01/18/01 18:19	P_C	536890

Prep Method	Prep Date	Prep Initials
SW3550B	01/18/2001 12:30	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-003 **Collected:** 1/16/01 2:45:00 **SPL Sample ID:** 01010416-03

Site: #11676-10, Fields Brook

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		120	125		01/19/01 16:59	JC	536656
1,1,2,2-Tetrachloroethane	ND		120	125		01/19/01 16:59	JC	536656
1,1,2-Trichloroethane	ND		120	125		01/19/01 16:59	JC	536656
1,1-Dichloroethane	ND		120	125		01/19/01 16:59	JC	536656
1,1-Dichloroethene	1500		120	125		01/19/01 16:59	JC	536656
1,2-Dichloroethane	ND		120	125		01/19/01 16:59	JC	536656
1,2-Dichloropropane	ND		120	125		01/19/01 16:59	JC	536656
2-Butanone	ND		6200	125		01/19/01 16:59	JC	536656
2-Hexanone	ND		6200	125		01/19/01 16:59	JC	536656
4-Methyl-2-pentanone	ND		6200	125		01/19/01 16:59	JC	536656
Acetone	ND		12000	125		01/19/01 16:59	JC	536656
Benzene	ND		120	125		01/19/01 16:59	JC	536656
Bromodichloromethane	ND		120	125		01/19/01 16:59	JC	536656
Bromoform	ND		120	125		01/19/01 16:59	JC	536656
Bromomethane	ND		120	125		01/19/01 16:59	JC	536656
Carbon disulfide	ND		620	125		01/19/01 16:59	JC	536656
Carbon tetrachloride	ND		120	125		01/19/01 16:59	JC	536656
Chlorobenzene	ND		120	125		01/19/01 16:59	JC	536656
Chloroethane	ND		1200	125		01/19/01 16:59	JC	536656
Chloroform	ND		120	125		01/19/01 16:59	JC	536656
Chloromethane	ND		1200	125		01/19/01 16:59	JC	536656
dibromochloromethane	ND		120	125		01/19/01 16:59	JC	536656
Ethylbenzene	ND		120	125		01/19/01 16:59	JC	536656
Methylene chloride	ND		620	125		01/19/01 16:59	JC	536656
Styrene	ND		120	125		01/19/01 16:59	JC	536656
Tetrachloroethene	1600		120	125		01/19/01 16:59	JC	536656
Toluene	ND		120	125		01/19/01 16:59	JC	536656
trans-1,3-Dichloropropene	ND		120	125		01/19/01 16:59	JC	536656
Trichloroethene	190000		2500	2500		01/23/01 22:39	TP	540429
Vinyl chloride	ND		120	125		01/19/01 16:59	JC	536656
cis-1,2-Dichloroethene	3200		120	125		01/19/01 16:59	JC	536656
cis-1,3-Dichloropropene	ND		120	125		01/19/01 16:59	JC	536656
trans-1,2-Dichloroethene	580		120	125		01/19/01 16:59	JC	536656
Xylenes,Total	ND		380	125		01/19/01 16:59	JC	536656
Surr: 1,2-Dichloroethane-d4	96.0	%	70-120	2500		01/23/01 22:39	TP	540429
Surr: 1,2-Dichloroethane-d4	99.2	%	70-120	125		01/19/01 16:59	JC	536656
Surr: 4-Bromofluorobenzene	91.2	%	74-130	125		01/19/01 16:59	JC	536656
Surr: 4-Bromofluorobenzene	96.0	%	74-130	2500		01/23/01 22:39	TP	540429
Surr: Toluene-d8	96.0	%	80-140	2500		01/23/01 22:39	TP	540429
Surr: Toluene-d8	97.6	%	80-140	125		01/19/01 16:59	JC	536656

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-004 **Collected:** 1/16/01 3:30:00 **SPL Sample ID:** 01010416-04

Site: #11676-10, Fields Brook

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330		1		01/18/01 18:48	P_C	536892
1,2-Dichlorobenzene	500	50		1		01/18/01 18:48	P_C	536892
1,3-Dichlorobenzene	ND	50		1		01/18/01 18:48	P_C	536892
1,4-Dichlorobenzene	ND	50		1		01/18/01 18:48	P_C	536892
2,4,5-Trichlorophenol	ND	1700		1		01/18/01 18:48	P_C	536892
2,4,6-Trichlorophenol	ND	330		1		01/18/01 18:48	P_C	536892
2,4-Dichlorophenol	ND	330		1		01/18/01 18:48	P_C	536892
2,4-Dimethylphenol	ND	330		1		01/18/01 18:48	P_C	536892
2,4-Dinitrophenol	ND	1700		1		01/18/01 18:48	P_C	536892
2,4-Dinitrotoluene	ND	330		1		01/18/01 18:48	P_C	536892
2,6-Dinitrotoluene	ND	330		1		01/18/01 18:48	P_C	536892
2-Chloronaphthalene	ND	330		1		01/18/01 18:48	P_C	536892
2-Chlorophenol	ND	330		1		01/18/01 18:48	P_C	536892
2-Methylnaphthalene	ND	330		1		01/18/01 18:48	P_C	536892
2-Nitroaniline	ND	1700		1		01/18/01 18:48	P_C	536892
2-Nitrophenol	ND	1700		1		01/18/01 18:48	P_C	536892
3,3'-Dichlorobenzidine	ND	2000		1		01/18/01 18:48	P_C	536892
3-Nitroaniline	ND	1700		1		01/18/01 18:48	P_C	536892
4,6-Dinitro-2-methylphenol	ND	1700		1		01/18/01 18:48	P_C	536892
4-Bromophenyl phenyl ether	ND	330		1		01/18/01 18:48	P_C	536892
4-Chloro-3-methylphenol	ND	1300		1		01/18/01 18:48	P_C	536892
4-Chloroaniline	ND	330		1		01/18/01 18:48	P_C	536892
4-Chlorophenyl phenyl ether	ND	330		1		01/18/01 18:48	P_C	536892
4-Nitroaniline	ND	1700		1		01/18/01 18:48	P_C	536892
4-Nitrophenol	ND	800		1		01/18/01 18:48	P_C	536892
Acenaphthene	ND	330		1		01/18/01 18:48	P_C	536892
Acenaphthylene	ND	330		1		01/18/01 18:48	P_C	536892
Anthracene	ND	330		1		01/18/01 18:48	P_C	536892
Benz(a)anthracene	ND	330		1		01/18/01 18:48	P_C	536892
Benzo(a)pyrene	ND	330		1		01/18/01 18:48	P_C	536892
Benzo(b)fluoranthene	ND	330		1		01/18/01 18:48	P_C	536892
Benzo(g,h,i)perylene	ND	330		1		01/18/01 18:48	P_C	536892
Benzo(k)fluoranthene	ND	330		1		01/18/01 18:48	P_C	536892
Bis(2-chloroethoxy)methane	ND	330		1		01/18/01 18:48	P_C	536892
Bis(2-chloroethyl)ether	ND	330		1		01/18/01 18:48	P_C	536892
Bis(2-chloroisopropyl)ether	ND	330		1		01/18/01 18:48	P_C	536892
Bis(2-ethylhexyl)phthalate	ND	330		1		01/18/01 18:48	P_C	536892
Butyl benzyl phthalate	ND	330		1		01/18/01 18:48	P_C	536892
Carbazole	ND	330		1		01/18/01 18:48	P_C	536892
Chrysene	ND	330		1		01/18/01 18:48	P_C	536892

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-160101-DRD-004 **Collected:** 1/16/01 3:30:00 **SPL Sample ID:** 01010416-04

Site: #11676-10, Fields Brook

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/18/01 18:48	P_C	536892
Di-n-octyl phthalate	ND		330	1		01/18/01 18:48	P_C	536892
Dibenz(a,h)anthracene	ND		330	1		01/18/01 18:48	P_C	536892
Dibenzofuran	ND		330	1		01/18/01 18:48	P_C	536892
Diethyl phthalate	ND		330	1		01/18/01 18:48	P_C	536892
Dimethyl phthalate	ND		330	1		01/18/01 18:48	P_C	536892
Fluoranthene	ND		330	1		01/18/01 18:48	P_C	536892
Fluorene	ND		330	1		01/18/01 18:48	P_C	536892
Hexachlorobenzene	1000		330	1		01/18/01 18:48	P_C	536892
Hexachlorobutadiene	2100		330	1		01/18/01 18:48	P_C	536892
Hexachlorocyclopentadiene	ND		330	1		01/18/01 18:48	P_C	536892
Hexachloroethane	4400		200	2		01/18/01 19:17	P_C	536897
Indeno(1,2,3-cd)pyrene	ND		330	1		01/18/01 18:48	P_C	536892
Isophorone	ND		330	1		01/18/01 18:48	P_C	536892
N-Nitrosodi-n-propylamine	ND		330	1		01/18/01 18:48	P_C	536892
N-Nitrosodiphenylamine	ND		330	1		01/18/01 18:48	P_C	536892
Naphthalene	ND		330	1		01/18/01 18:48	P_C	536892
Nitrobenzene	ND		330	1		01/18/01 18:48	P_C	536892
Pentachlorophenol	ND		3400	1		01/18/01 18:48	P_C	536892
Phenanthrene	ND		330	1		01/18/01 18:48	P_C	536892
Phenol	ND		330	1		01/18/01 18:48	P_C	536892
Pyrene	ND		330	1		01/18/01 18:48	P_C	536892
2-Methylphenol	ND		330	1		01/18/01 18:48	P_C	536892
3 & 4-Methylphenol	ND		330	1		01/18/01 18:48	P_C	536892
Surr: 2,4,6-Tribromophenol	100	%	19-122	2		01/18/01 19:17	P_C	536897
Surr: 2,4,6-Tribromophenol	112	%	19-122	1		01/18/01 18:48	P_C	536892
Surr: 2-Fluorobiphenyl	88.2	%	30-115	2		01/18/01 19:17	P_C	536897
Surr: 2-Fluorobiphenyl	88.2	%	30-115	1		01/18/01 18:48	P_C	536892
Surr: 2-Fluorophenol	80.0	%	25-121	2		01/18/01 19:17	P_C	536897
Surr: 2-Fluorophenol	84.0	%	25-121	1		01/18/01 18:48	P_C	536892
Surr: Nitrobenzene-d5	94.1	%	23-120	1		01/18/01 18:48	P_C	536892
Surr: Nitrobenzene-d5	94.1	%	23-120	2		01/18/01 19:17	P_C	536897
Surr: Phenol-d5	76.0	%	24-113	1		01/18/01 18:48	P_C	536892
Surr: Phenol-d5	76.0	%	24-113	2		01/18/01 19:17	P_C	536897
Surr: Terphenyl-d14	94.1	%	18-137	2		01/18/01 19:17	P_C	536897
Surr: Terphenyl-d14	94.1	%	18-137	1		01/18/01 18:48	P_C	536892

Prep Method	Prep Date	Prep Initials
SW3550B	01/18/2001 12:30	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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Client Sample ID S-11676-160101-DRD-004 **Collected:** 1/16/01 3:30:00 **SPL Sample ID:** 01010416-04

Site: #11676-10, Fields Brook

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		120		125		01/19/01 19:13	JC	536671
1,1,2,2-Tetrachloroethane	3100		120		125		01/19/01 19:13	JC	536671
1,1,2-Trichloroethane	3700		120		125		01/19/01 19:13	JC	536671
1,1-Dichloroethane	ND		120		125		01/19/01 19:13	JC	536671
1,1-Dichloroethene	2600		120		125		01/19/01 19:13	JC	536671
1,2-Dichloroethane	ND		120		125		01/19/01 19:13	JC	536671
1,2-Dichloropropane	ND		120		125		01/19/01 19:13	JC	536671
2-Butanone	ND		6200		125		01/19/01 19:13	JC	536671
2-Hexanone	ND		6200		125		01/19/01 19:13	JC	536671
4-Methyl-2-pentanone	ND		6200		125		01/19/01 19:13	JC	536671
Acetone	ND		12000		125		01/19/01 19:13	JC	536671
Benzene	ND		120		125		01/19/01 19:13	JC	536671
Bromodichloromethane	ND		120		125		01/19/01 19:13	JC	536671
Bromoform	ND		120		125		01/19/01 19:13	JC	536671
Bromomethane	ND		120		125		01/19/01 19:13	JC	536671
Carbon disulfide	ND		620		125		01/19/01 19:13	JC	536671
Carbon tetrachloride	ND		120		125		01/19/01 19:13	JC	536671
Chlorobenzene	1400		120		125		01/19/01 19:13	JC	536671
Chloroethane	ND		1200		125		01/19/01 19:13	JC	536671
Chloroform	ND		120		125		01/19/01 19:13	JC	536671
Chloromethane	ND		1200		125		01/19/01 19:13	JC	536671
dibromochloromethane	ND		120		125		01/19/01 19:13	JC	536671
Ethylbenzene	ND		120		125		01/19/01 19:13	JC	536671
Methylene chloride	ND		620		125		01/19/01 19:13	JC	536671
Styrene	ND		120		125		01/19/01 19:13	JC	536671
Tetrachloroethene	970000		6200		6250		01/22/01 17:52	TP	538180
Toluene	ND		120		125		01/19/01 19:13	JC	536671
trans-1,3-Dichloropropene	ND		120		125		01/19/01 19:13	JC	536671
Trichloroethene	770000		6200		6250		01/22/01 17:52	TP	538180
Vinyl chloride	610		120		125		01/19/01 19:13	JC	536671
cis-1,2-Dichloroethene	7400		120		125		01/19/01 19:13	JC	536671
cis-1,3-Dichloropropene	ND		120		125		01/19/01 19:13	JC	536671
trans-1,2-Dichloroethene	1800		120		125		01/19/01 19:13	JC	536671
Xylenes,Total	ND		380		125		01/19/01 19:13	JC	536671
Surr: 1,2-Dichloroethane-d4	97.6	%	70-120		125		01/19/01 19:13	JC	536671
Surr: 1,2-Dichloroethane-d4	99.2	%	70-120		6250		01/22/01 17:52	TP	538180
Surr: 4-Bromofluorobenzene	89.6	%	74-130		6250		01/22/01 17:52	TP	538180
Surr: 4-Bromofluorobenzene	94.4	%	74-130		125		01/19/01 19:13	JC	536671
Surr: Toluene-d8	97.6	%	80-140		125		01/19/01 19:13	JC	536671
Surr: Toluene-d8	99.2	%	80-140		6250		01/22/01 17:52	TP	538180

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook, Ashtabula, OH

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010416
Method: SW8270C **Lab Batch ID:** 9699

Method Blank

RunID: J_010118A-536397 Units: ug/Kg
Analysis Date: 01/18/2001 15:04 Analyst: S_G
Preparation Date: 01/18/2001 12:30 Prep By: J_L Method SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010416-01B	S-11676-160101-DRD-001
01010416-02B	S-11676-160101-DRD-002
01010416-03B	S-11676-160101-DRD-003
01010416-04B	S-11676-160101-DRD-004

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook, Ashtabula, OH

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010416
Method: SW8270C **Lab Batch ID:** 9699

Method Blank

RunID: J_010118A-536397 Units: ug/Kg
Analysis Date: 01/18/2001 15:04 Analyst: S_G
Preparation Date: 01/18/2001 12:30 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	88.0	19-122
Surr: 2-Fluorobiphenyl	82.4	30-115
Surr: 2-Fluorophenol	80.0	25-121
Surr: Nitrobenzene-d5	70.6	23-120
Surr: Phenol-d5	72.0	24-113
Surr: Terphenyl-d14	82.4	18-137

Laboratory Control Sample (LCS)

RunID: J_010118A-536398 Units: ug/Kg
Analysis Date: 01/18/2001 15:38 Analyst: S_G
Preparation Date: 01/18/2001 12:30 Prep By: J_L Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1100	65	39	110
1,4-Dichlorobenzene	1700	1100	65	36	110
2,4-Dinitrotoluene	1700	1300	76	50	150
2-Chlorophenol	2500	1600	64	27	123
4-Chloro-3-methylphenol	2500	1700	68	23	110
4-Nitrophenol	2500	2500	100	25	150
Acenaphthene	1700	1300	76	46	125
N-Nitrosodi-n-propylamine	1700	1100	65	41	116
Pentachlorophenol	2500	1800	72	9	125
Phenol	2500	1500	60	12	110
Pyrene	1700	1500	88	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook, Ashtabula, OH

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010416
Method: SW8270C **Lab Batch ID:** 9699

Sample Spiked: 01010377-02
RunID: J_010118A-536402 Units: ug/Kg-dry
Analysis Date: 01/18/2001 18:26 Analyst: S_G
Preparation Date: 01/18/2001 12:30 Prep By: J_L Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1840	1200	65	1840	1200	65	0	28	39	110
1,4-Dichlorobenzene	ND	1840	1300	71	1840	1300	71	0	28	36	110
2,4-Dinitrotoluene	ND	1840	1200	65	1840	1200	65	0	50	50	150
2-Chlorophenol	ND	2700	1900	72	2700	1800	68	6	40	27	123
4-Chloro-3-methylphenol	ND	2700	2100	76	2700	2100	76	0	42	23	110
4-Nitrophenol	ND	2700	1900	72	2700	1900	72	0	50	25	150
Acenaphthene	610	1840	1900	73	1840	1900	73	0	31	46	125
N-Nitrosodi-n-propylamine	ND	1840	970	53	1840	910	49	7	38	41	116
Pentachlorophenol	ND	2700	1900	72	2700	1900	72	0	50	9	125
Phenol	ND	2700	1500	56	2700	1500	56	0	42	12	110
Pyrene	46000	1840	34000	-706 *	1840	32000	-765 *	8	31	26	127

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook, Ashtabula, OH

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010416
Method: SW8260B **Lab Batch ID:** R28025

Method Blank

RunID: K_010119A-536651 Units: ug/Kg
Analysis Date: 01/19/2001 16:01 Analyst: JC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010416-01A	S-11676-160101-DRD-001
01010416-02A	S-11676-160101-DRD-002
01010416-03A	S-11676-160101-DRD-003
01010416-04A	S-11676-160101-DRD-004

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	97.6	70-120
Surr: 4-Bromofluorobenzene	91.2	74-130
Surr: Toluene-d8	97.6	80-140

Laboratory Control Sample (LCS)

RunID: K_010119A-536648 Units: ug/L
Analysis Date: 01/19/2001 15:35 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	52	104	61	145
Benzene	50	40	80	76	127

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook, Ashtabula, OH

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010416
Method: SW8260B **Lab Batch ID:** R28025

Laboratory Control Sample (LCS)

RunID: K_010119A-536648 Units: ug/L
Analysis Date: 01/19/2001 15:35 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chlorobenzene	50	46	92	75	130
Toluene	50	42	84	76	125
Trichloroethene	50	47	94	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010416-03
RunID: K_010119A-536658 Units: ug/Kg
Analysis Date: 01/19/2001 17:26 Analyst: JC

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Lir
1,1-Dichloroethene	ND	6250	8100	106	6250	8100	106	0	22	59	172
Benzene	ND	6250	5100	82	6250	5100	82	0	21	66	142
Chlorobenzene	ND	6250	6000	96	6250	6000	96	0	21	60	133
Toluene	ND	6250	5500	88	6250	5400	86	2	21	59	139
Trichloroethene	ND	6250	210000	160 *	6250	210000	160 *	0	24	62	137

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook, Ashtabula, OH

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010416
Method: SW8260B **Lab Batch ID:** R28121

Method Blank

RunID: K_010122A-538159 Units: ug/Kg
Analysis Date: 01/22/2001 9:11 Analyst: TP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010416-04A	S-11676-160101-DRD-004

Analyte	Result	Rep Limit
Tetrachloroethene	ND	1.0
Trichloroethene	ND	1.0
Surr: 1,2-Dichloroethane-d4	100.0	70-120
Surr: 4-Bromofluorobenzene	92.0	74-130
Surr: Toluene-d8	100.0	80-140

Laboratory Control Sample (LCS)

RunID: K_010122A-538158 Units: ug/L
Analysis Date: 01/22/2001 8:20 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	52	104	61	145
Benzene	50	44	88	76	127
Chlorobenzene	50	46	92	75	130
Toluene	50	44	88	76	125
Trichloroethene	50	46	92	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010471-02
RunID: K_010122A-538163 Units: ug/Kg
Analysis Date: 01/22/2001 10:51 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2500	2500	100	2500	2400	96	4	22	59	172
Benzene	ND	2500	2200	88	2500	2200	88	0	21	66	142
Chlorobenzene	ND	2500	2400	96	2500	2300	92	4	21	60	133
Toluene	260	2500	2600	94	2500	2400	86	9	21	59	139
Trichloroethene	ND	2500	2400	96	2500	2300	92	4	24	62	137

Qualifiers
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook, Ashtabula, OH

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 01010416
Lab Batch ID: R28255

Method Blank

RunID: K_010123B-540426 Units: ug/Kg
Analysis Date: 01/23/2001 15:06 Analyst: TP

Analyte	Result	Rep Limit
Tetrachloroethene	ND	1.0
Trichloroethene	ND	1.0
Surr: 1,2-Dichloroethane-d4	99.2	70-120
Surr: 4-Bromofluorobenzene	91.2	74-130
Surr: Toluene-d8	97.6	80-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010416-01A	S-11676-160101-DRD-001
01010416-02A	S-11676-160101-DRD-002
01010416-03A	S-11676-160101-DRD-003

Laboratory Control Sample (LCS)

RunID: K_010123B-540425 Units: ug/L
Analysis Date: 01/23/2001 14:38 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	54	108	61	145
Benzene	50	42	84	76	127
Chlorobenzene	50	46	92	75	130
Toluene	50	43	86	76	125
Trichloroethene	50	46	92	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010534-01
RunID: K_010123B-540433 Units: ug/Kg
Analysis Date: 01/24/2001 0:23 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	6250	5900	94	6250	5800	93	2	22	59	172
Benzene	ND	6250	120000	1920 *	6250	120000	1920 *	0	21	66	142
Chlorobenzene	ND	6250	6600	106	6250	4700	75	34 *	21	60	133
Toluene	ND	6250	460000	7360 *	6250	480000	7680 *	4	21	59	139
Trichloroethene	ND	6250	5500	88	6250	5600	90	2	24	62	137

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01010416	Received by:	Stelly, D'Anna
Date and Time Received:	1/17/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	2		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	Not Present ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

SPL, Inc

Analysis Request & Chain of Custody Record

SPL Workorder No: 0101041169 — 01769

page 1 of 1

Client Name: Cojestan Kovacs & Associates
Address/Phone: 1-734-942-0909
Client Contact: Paul Wiseman
Project Name: Fields Brook
Project Number: 11676-10
Project Location: Ashtabula, OHIO
Invoice To:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=other)	bottle (P=plastic A=amber glass G=glass V=vial)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other)	Number of Containers	Requested Analysis: TCL SVOC	TCL VOC	Bulk
S-11676-150101-DRD-001	Jan 15/01	11:15		X	S	G	4 encore	1	5	✓	✓	✓
S-11676-150101-DRD-002	Jan 15/01	12:20		X	S	G	4 encore	1	5	✓	✓	✓
S-11676-150101-DRD-003	Jan 15/01	14:45		X	S	G	4 encore	1	5	✓	✓	✓
S-11676-150101-DRD-004	Jan 15/01	15:30		X	S	G	4 encore	1	5	✓	✓	✓

RUSH

Client/Consultant Remarks: Date should be Jan 16, Sample ID# should have 150101

Laboratory remarks: encore

Intact? ☐ Y ☐ N

Temp: 2

Requested TAT

24hr ☐ 72hr ☐

48hr ☐ Standard ☒

Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM Review (initial): NJ

	date	time	
1. Relinquished by Sampler: Dan Deering	1601-01	17:45	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory: Donna Hill 1/17/01, 1000

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

☐ 459-Hughes Drive, Traverse City, MI 49684 (616) 947-5777

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

26 FEL01

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
01010465

Report To:		Project Name:	#11676-10 Fields Brooks Site Ashtabu
Conestoga-Rovers & Associates		Site:	#11676-10 Fields Brooks Site Ashtabu
Paul Wiseman		Site Address:	
11100 Metro Airport Center Drive			
Suite 160		PO Number:	40-013971-0
Romulus		State:	Ohio/VAP
MI		State Cert. No.:	CL0005
48174-		Date Reported:	1/30/01
ph: (734) 942-0909	fax: (734) 942-3080		

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

ORIGINAL ANALYTICAL REPORT
Project#: 11676-10 **Lab#:** 01010465
Name: Fields Brook
Description
Event: BDA
Samples: 6 Soil (1/17/01)
Analysis: SVOC, VOC

JAN 31

9306:3

TAT: 14 day net
Lab: SPL
Checked Against Preliminary Data:
Date: 2/1/01 **Init.:** [illegible]
Date of Validation Memo:
Invoice Approval Date:
Comments:

1/30/01

Sonia West
West, Sonia
Senior Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01010465

Report To: Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Fax To: Conestoga-Rovers & Associates
Paul Wiseman fax : (734) 942-3080

Project Name: #11676-10 Fields Brooks Site Ashtabu
Site: #11676-10 Fields Brooks Site Ashtabu
Site Address:

PO Number: 40-013971-0
State: Ohio/VAP
State Cert. No.: CL0005
Date Reported: 1/30/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-170101-DRD-005	01010465-01	Soil	1/17/01 9:15:00 AM	1/18/01 10:00:00 AM	091770	☐
S-11676-170101-DRD-006	01010465-02	Soil	1/17/01 9:45:00 AM	1/18/01 10:00:00 AM	091770	☐
S-11676-170101-DRD-007	01010465-03	Soil	1/17/01 10:30:00 AM	1/18/01 10:00:00 AM	091770	☐
S-11676-170101-DRD-008	01010465-04	Soil	1/17/01 11:30:00 AM	1/18/01 10:00:00 AM	091770	☐
S-11676-170101-DRD-009	01010465-05	Soil	1/17/01 3:10:00 PM	1/18/01 10:00:00 AM	091770	☐
S-11676-170101-DRD-010	01010465-06	Soil	1/17/01 3:10:00 PM	1/18/01 10:00:00 AM	091770	☐

Sonia West 1/30/01

West, Sonia — Date
Senior Project Manager

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-005 **Collected:** 1/17/01 9:15:00 **SPL Sample ID:** 01010465-01

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330	1		01/19/01 18:16	S_G	537336
1,2-Dichlorobenzene	ND	50	1		01/19/01 18:16	S_G	537336
1,3-Dichlorobenzene	ND	50	1		01/19/01 18:16	S_G	537336
1,4-Dichlorobenzene	ND	50	1		01/19/01 18:16	S_G	537336
2,4,5-Trichlorophenol	ND	1700	1		01/19/01 18:16	S_G	537336
2,4,6-Trichlorophenol	ND	330	1		01/19/01 18:16	S_G	537336
2,4-Dichlorophenol	ND	330	1		01/19/01 18:16	S_G	537336
2,4-Dimethylphenol	ND	330	1		01/19/01 18:16	S_G	537336
2,4-Dinitrophenol	ND	1700	1		01/19/01 18:16	S_G	537336
2,4-Dinitrotoluene	ND	330	1		01/19/01 18:16	S_G	537336
2,6-Dinitrotoluene	ND	330	1		01/19/01 18:16	S_G	537336
2-Chloronaphthalene	ND	330	1		01/19/01 18:16	S_G	537336
2-Chlorophenol	ND	330	1		01/19/01 18:16	S_G	537336
2-Methylnaphthalene	ND	330	1		01/19/01 18:16	S_G	537336
2-Nitroaniline	ND	1700	1		01/19/01 18:16	S_G	537336
2-Nitrophenol	ND	1700	1		01/19/01 18:16	S_G	537336
3,3'-Dichlorobenzidine	ND	2000	1		01/19/01 18:16	S_G	537336
3-Nitroaniline	ND	1700	1		01/19/01 18:16	S_G	537336
4,6-Dinitro-2-methylphenol	ND	1700	1		01/19/01 18:16	S_G	537336
4-Bromophenyl phenyl ether	ND	330	1		01/19/01 18:16	S_G	537336
4-Chloro-3-methylphenol	ND	1300	1		01/19/01 18:16	S_G	537336
4-Chloroaniline	ND	330	1		01/19/01 18:16	S_G	537336
4-Chlorophenyl phenyl ether	ND	330	1		01/19/01 18:16	S_G	537336
4-Nitroaniline	ND	1700	1		01/19/01 18:16	S_G	537336
4-Nitrophenol	ND	800	1		01/19/01 18:16	S_G	537336
Acenaphthene	ND	330	1		01/19/01 18:16	S_G	537336
Acenaphthylene	ND	330	1		01/19/01 18:16	S_G	537336
Anthracene	ND	330	1		01/19/01 18:16	S_G	537336
Benz(a)anthracene	ND	330	1		01/19/01 18:16	S_G	537336
Benzo(a)pyrene	ND	330	1		01/19/01 18:16	S_G	537336
Benzo(b)fluoranthene	ND	330	1		01/19/01 18:16	S_G	537336
Benzo(g,h,i)perylene	ND	330	1		01/19/01 18:16	S_G	537336
Benzo(k)fluoranthene	ND	330	1		01/19/01 18:16	S_G	537336
Bis(2-chloroethoxy)methane	ND	330	1		01/19/01 18:16	S_G	537336
Bis(2-chloroethyl)ether	ND	330	1		01/19/01 18:16	S_G	537336
Bis(2-chloroisopropyl)ether	ND	330	1		01/19/01 18:16	S_G	537336
Bis(2-ethylhexyl)phthalate	ND	330	1		01/19/01 18:16	S_G	537336
Butyl benzyl phthalate	ND	330	1		01/19/01 18:16	S_G	537336
Carbazole	ND	330	1		01/19/01 18:16	S_G	537336
Chrysene	ND	330	1		01/19/01 18:16	S_G	537336

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-005 **Collected:** 1/17/01 9:15:00 **SPL Sample ID:** 01010465-01

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/19/01 18:16	S_G	537336
Di-n-octyl phthalate	ND		330	1		01/19/01 18:16	S_G	537336
Dibenz(a,h)anthracene	ND		330	1		01/19/01 18:16	S_G	537336
Dibenzofuran	ND		330	1		01/19/01 18:16	S_G	537336
Diethyl phthalate	ND		330	1		01/19/01 18:16	S_G	537336
Dimethyl phthalate	ND		330	1		01/19/01 18:16	S_G	537336
Fluoranthene	ND		330	1		01/19/01 18:16	S_G	537336
Fluorene	ND		330	1		01/19/01 18:16	S_G	537336
Hexachlorobenzene	ND		330	1		01/19/01 18:16	S_G	537336
Hexachlorobutadiene	ND		330	1		01/19/01 18:16	S_G	537336
Hexachlorocyclopentadiene	ND		330	1		01/19/01 18:16	S_G	537336
Hexachloroethane	ND		100	1		01/19/01 18:16	S_G	537336
Indeno(1,2,3-cd)pyrene	ND		330	1		01/19/01 18:16	S_G	537336
Isophorone	ND		330	1		01/19/01 18:16	S_G	537336
N-Nitrosodi-n-propylamine	ND		330	1		01/19/01 18:16	S_G	537336
N-Nitrosodiphenylamine	ND		330	1		01/19/01 18:16	S_G	537336
Naphthalene	ND		330	1		01/19/01 18:16	S_G	537336
Nitrobenzene	ND		330	1		01/19/01 18:16	S_G	537336
Pentachlorophenol	ND		3400	1		01/19/01 18:16	S_G	537336
Phenanthrene	ND		330	1		01/19/01 18:16	S_G	537336
Phenol	ND		330	1		01/19/01 18:16	S_G	537336
Pyrene	ND		330	1		01/19/01 18:16	S_G	537336
2-Methylphenol	ND		330	1		01/19/01 18:16	S_G	537336
3 & 4-Methylphenol	ND		330	1		01/19/01 18:16	S_G	537336
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		01/19/01 18:16	S_G	537336
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		01/19/01 18:16	S_G	537336
Surr: 2-Fluorophenol	72.0	%	25-121	1		01/19/01 18:16	S_G	537336
Surr: Nitrobenzene-d5	76.5	%	23-120	1		01/19/01 18:16	S_G	537336
Surr: Phenol-d5	72.0	%	24-113	1		01/19/01 18:16	S_G	537336
Surr: Terphenyl-d14	82.4	%	18-137	1		01/19/01 18:16	S_G	537336

Prep Method	Prep Date	Prep Initials
SW3550B	01/19/2001 13:27	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-005 **Collected:** 1/17/01 9:15:00 **SPL Sample ID:** 01010465-01

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B		Units: ug/Kg		
1,1,1-Trichloroethane	ND		120	125		01/19/01 19:40	JC	536674
1,1,2,2-Tetrachloroethane	ND		120	125		01/19/01 19:40	JC	536674
1,1,2-Trichloroethane	ND		120	125		01/19/01 19:40	JC	536674
1,1-Dichloroethane	ND		120	125		01/19/01 19:40	JC	536674
1,1-Dichloroethene	ND		120	125		01/19/01 19:40	JC	536674
1,2-Dichloroethane	ND		120	125		01/19/01 19:40	JC	536674
1,2-Dichloropropane	ND		120	125		01/19/01 19:40	JC	536674
2-Butanone	ND		6200	125		01/19/01 19:40	JC	536674
2-Hexanone	ND		6200	125		01/19/01 19:40	JC	536674
4-Methyl-2-pentanone	ND		6200	125		01/19/01 19:40	JC	536674
Acetone	ND		12000	125		01/19/01 19:40	JC	536674
Benzene	ND		120	125		01/19/01 19:40	JC	536674
Bromodichloromethane	ND		120	125		01/19/01 19:40	JC	536674
Bromoform	ND		120	125		01/19/01 19:40	JC	536674
Bromomethane	ND		120	125		01/19/01 19:40	JC	536674
Carbon disulfide	ND		620	125		01/19/01 19:40	JC	536674
Carbon tetrachloride	ND		120	125		01/19/01 19:40	JC	536674
Chlorobenzene	ND		120	125		01/19/01 19:40	JC	536674
Chloroethane	ND		1200	125		01/19/01 19:40	JC	536674
Chloroform	ND		120	125		01/19/01 19:40	JC	536674
Chloromethane	ND		1200	125		01/19/01 19:40	JC	536674
dibromochloromethane	ND		120	125		01/19/01 19:40	JC	536674
Ethylbenzene	ND		120	125		01/19/01 19:40	JC	536674
Methylene chloride	ND		620	125		01/19/01 19:40	JC	536674
Styrene	ND		120	125		01/19/01 19:40	JC	536674
Tetrachloroethene	110000		1200	1250		01/22/01 14:59	TP	538173
Toluene	ND		120	125		01/19/01 19:40	JC	536674
trans-1,3-Dichloropropene	ND		120	125		01/19/01 19:40	JC	536674
Trichloroethene	110000		1200	1250		01/22/01 14:59	TP	538173
Vinyl chloride	ND		120	125		01/19/01 19:40	JC	536674
cis-1,2-Dichloroethene	430		120	125		01/19/01 19:40	JC	536674
cis-1,3-Dichloropropene	ND		120	125		01/19/01 19:40	JC	536674
trans-1,2-Dichloroethene	ND		120	125		01/19/01 19:40	JC	536674
Xylenes,Total	ND		380	125		01/19/01 19:40	JC	536674
Surr: 1,2-Dichloroethane-d4	96.0	%	70-120	1250		01/22/01 14:59	TP	538173
Surr: 1,2-Dichloroethane-d4	96.0	%	70-120	125		01/19/01 19:40	JC	536674
Surr: 4-Bromofluorobenzene	94.4	%	74-130	125		01/19/01 19:40	JC	536674
Surr: 4-Bromofluorobenzene	94.4	%	74-130	1250		01/22/01 14:59	TP	538173
Surr: Toluene-d8	101	%	80-140	1250		01/22/01 14:59	TP	538173
Surr: Toluene-d8	99.2	%	80-140	125		01/19/01 19:40	JC	536674

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-006 **Collected:** 1/17/01 9:45:00 **SPL Sample ID:** 01010465-02

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330	1		01/19/01 20:27	S_G	537340
1,2-Dichlorobenzene	790	50	1		01/19/01 20:27	S_G	537340
1,3-Dichlorobenzene	ND	50	1		01/19/01 20:27	S_G	537340
1,4-Dichlorobenzene	ND	50	1		01/19/01 20:27	S_G	537340
2,4,5-Trichlorophenol	ND	1700	1		01/19/01 20:27	S_G	537340
2,4,6-Trichlorophenol	ND	330	1		01/19/01 20:27	S_G	537340
2,4-Dichlorophenol	ND	330	1		01/19/01 20:27	S_G	537340
2,4-Dimethylphenol	ND	330	1		01/19/01 20:27	S_G	537340
2,4-Dinitrophenol	ND	1700	1		01/19/01 20:27	S_G	537340
2,4-Dinitrotoluene	ND	330	1		01/19/01 20:27	S_G	537340
2,6-Dinitrotoluene	ND	330	1		01/19/01 20:27	S_G	537340
2-Chloronaphthalene	ND	330	1		01/19/01 20:27	S_G	537340
2-Chlorophenol	ND	330	1		01/19/01 20:27	S_G	537340
2-Methylnaphthalene	ND	330	1		01/19/01 20:27	S_G	537340
2-Nitroaniline	ND	1700	1		01/19/01 20:27	S_G	537340
2-Nitrophenol	ND	1700	1		01/19/01 20:27	S_G	537340
3,3'-Dichlorobenzidine	ND	2000	1		01/19/01 20:27	S_G	537340
3-Nitroaniline	ND	1700	1		01/19/01 20:27	S_G	537340
4,6-Dinitro-2-methylphenol	ND	1700	1		01/19/01 20:27	S_G	537340
4-Bromophenyl phenyl ether	ND	330	1		01/19/01 20:27	S_G	537340
4-Chloro-3-methylphenol	ND	1300	1		01/19/01 20:27	S_G	537340
4-Chloroaniline	ND	330	1		01/19/01 20:27	S_G	537340
4-Chlorophenyl phenyl ether	ND	330	1		01/19/01 20:27	S_G	537340
4-Nitroaniline	ND	1700	1		01/19/01 20:27	S_G	537340
4-Nitrophenol	ND	800	1		01/19/01 20:27	S_G	537340
Acenaphthene	ND	330	1		01/19/01 20:27	S_G	537340
Acenaphthylene	ND	330	1		01/19/01 20:27	S_G	537340
Anthracene	ND	330	1		01/19/01 20:27	S_G	537340
Benz(a)anthracene	ND	330	1		01/19/01 20:27	S_G	537340
Benzo(a)pyrene	ND	330	1		01/19/01 20:27	S_G	537340
Benzo(b)fluoranthene	ND	330	1		01/19/01 20:27	S_G	537340
Benzo(g,h,i)perylene	ND	330	1		01/19/01 20:27	S_G	537340
Benzo(k)fluoranthene	ND	330	1		01/19/01 20:27	S_G	537340
Bis(2-chloroethoxy)methane	ND	330	1		01/19/01 20:27	S_G	537340
Bis(2-chloroethyl)ether	ND	330	1		01/19/01 20:27	S_G	537340
Bis(2-chloroisopropyl)ether	ND	330	1		01/19/01 20:27	S_G	537340
Bis(2-ethylhexyl)phthalate	ND	330	1		01/19/01 20:27	S_G	537340
Butyl benzyl phthalate	ND	330	1		01/19/01 20:27	S_G	537340
Carbazole	ND	330	1		01/19/01 20:27	S_G	537340
Chrysene	ND	330	1		01/19/01 20:27	S_G	537340

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-006 **Collected:** 1/17/01 9:45:00 **SPL Sample ID:** 01010465-02

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/19/01 20:27	S_G	537340
Di-n-octyl phthalate	ND		330	1		01/19/01 20:27	S_G	537340
Dibenz(a,h)anthracene	ND		330	1		01/19/01 20:27	S_G	537340
Dibenzofuran	ND		330	1		01/19/01 20:27	S_G	537340
Diethyl phthalate	ND		330	1		01/19/01 20:27	S_G	537340
Dimethyl phthalate	ND		330	1		01/19/01 20:27	S_G	537340
Fluoranthene	ND		330	1		01/19/01 20:27	S_G	537340
Fluorene	ND		330	1		01/19/01 20:27	S_G	537340
Hexachlorobenzene	5200		3300	10		01/22/01 14:32	S_G	540357
Hexachlorobutadiene	12000		3300	10		01/22/01 14:32	S_G	540357
Hexachlorocyclopentadiene	ND		330	1		01/19/01 20:27	S_G	537340
Hexachloroethane	4100		1000	10		01/22/01 14:32	S_G	540357
Indeno(1,2,3-cd)pyrene	ND		330	1		01/19/01 20:27	S_G	537340
Isophorone	ND		330	1		01/19/01 20:27	S_G	537340
N-Nitrosodi-n-propylamine	ND		330	1		01/19/01 20:27	S_G	537340
N-Nitrosodiphenylamine	ND		330	1		01/19/01 20:27	S_G	537340
Naphthalene	ND		330	1		01/19/01 20:27	S_G	537340
Nitrobenzene	ND		330	1		01/19/01 20:27	S_G	537340
Pentachlorophenol	ND		3400	1		01/19/01 20:27	S_G	537340
Phenanthrene	ND		330	1		01/19/01 20:27	S_G	537340
Phenol	ND		330	1		01/19/01 20:27	S_G	537340
Pyrene	ND		330	1		01/19/01 20:27	S_G	537340
2-Methylphenol	ND		330	1		01/19/01 20:27	S_G	537340
3 & 4-Methylphenol	ND		330	1		01/19/01 20:27	S_G	537340
Surr: 2,4,6-Tribromophenol	108	%	19-122	1		01/19/01 20:27	S_G	537340
Surr: 2,4,6-Tribromophenol	D	%	19-122	10	*	01/22/01 14:32	S_G	540357
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		01/19/01 20:27	S_G	537340
Surr: 2-Fluorobiphenyl	D	%	30-115	10	*	01/22/01 14:32	S_G	540357
Surr: 2-Fluorophenol	72.0	%	25-121	1		01/19/01 20:27	S_G	537340
Surr: 2-Fluorophenol	D	%	25-121	10	*	01/22/01 14:32	S_G	540357
Surr: Nitrobenzene-d5	D	%	23-120	10	*	01/22/01 14:32	S_G	540357
Surr: Nitrobenzene-d5	88.2	%	23-120	1		01/19/01 20:27	S_G	537340
Surr: Phenol-d5	72.0	%	24-113	1		01/19/01 20:27	S_G	537340
Surr: Phenol-d5	D	%	24-113	10	*	01/22/01 14:32	S_G	540357
Surr: Terphenyl-d14	100	%	18-137	1		01/19/01 20:27	S_G	537340
Surr: Terphenyl-d14	D	%	18-137	10	*	01/22/01 14:32	S_G	540357

Prep Method	Prep Date	Prep Initials
SW3550B	01/19/2001 13:27	J_L

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-006 **Collected:** 1/17/01 9:45:00 **SPL Sample ID:** 01010465-02

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		120	125		01/19/01 20:59	JC	536682
1,1,2,2-Tetrachloroethane	ND		120	125		01/19/01 20:59	JC	536682
1,1,2-Trichloroethane	ND		120	125		01/19/01 20:59	JC	536682
1,1-Dichloroethane	ND		120	125		01/19/01 20:59	JC	536682
1,1-Dichloroethene	1200		120	125		01/19/01 20:59	JC	536682
1,2-Dichloroethane	ND		120	125		01/19/01 20:59	JC	536682
1,2-Dichloropropane	ND		120	125		01/19/01 20:59	JC	536682
2-Butanone	ND		6200	125		01/19/01 20:59	JC	536682
2-Hexanone	ND		6200	125		01/19/01 20:59	JC	536682
4-Methyl-2-pentanone	ND		6200	125		01/19/01 20:59	JC	536682
Acetone	ND		12000	125		01/19/01 20:59	JC	536682
Benzene	ND		120	125		01/19/01 20:59	JC	536682
Bromodichloromethane	ND		120	125		01/19/01 20:59	JC	536682
Bromoform	ND		120	125		01/19/01 20:59	JC	536682
Bromomethane	ND		120	125		01/19/01 20:59	JC	536682
Carbon disulfide	ND		620	125		01/19/01 20:59	JC	536682
Carbon tetrachloride	ND		120	125		01/19/01 20:59	JC	536682
Chlorobenzene	ND		120	125		01/19/01 20:59	JC	536682
Chloroethane	ND		1200	125		01/19/01 20:59	JC	536682
Chloroform	ND		120	125		01/19/01 20:59	JC	536682
Chloromethane	ND		1200	125		01/19/01 20:59	JC	536682
dibromochloromethane	ND		120	125		01/19/01 20:59	JC	536682
Ethylbenzene	ND		120	125		01/19/01 20:59	JC	536682
Methylene chloride	ND		620	125		01/19/01 20:59	JC	536682
Styrene	ND		120	125		01/19/01 20:59	JC	536682
Tetrachloroethene	1200000		12000	12500		01/22/01 17:27	TP	538179
Toluene	ND		120	125		01/19/01 20:59	JC	536682
trans-1,3-Dichloropropene	ND		120	125		01/19/01 20:59	JC	536682
Trichloroethene	580000		12000	12500		01/22/01 17:27	TP	538179
Vinyl chloride	ND		120	125		01/19/01 20:59	JC	536682
cis-1,2-Dichloroethene	1700		120	125		01/19/01 20:59	JC	536682
cis-1,3-Dichloropropene	ND		120	125		01/19/01 20:59	JC	536682
trans-1,2-Dichloroethene	320		120	125		01/19/01 20:59	JC	536682
Xylenes,Total	ND		380	125		01/19/01 20:59	JC	536682
Surr: 1,2-Dichloroethane-d4	97.6	%	70-120	125		01/19/01 20:59	JC	536682
Surr: 1,2-Dichloroethane-d4	96.0	%	70-120	12500		01/22/01 17:27	TP	538179
Surr: 4-Bromofluorobenzene	91.2	%	74-130	125		01/19/01 20:59	JC	536682
Surr: 4-Bromofluorobenzene	92.8	%	74-130	12500		01/22/01 17:27	TP	538179
Surr: Toluene-d8	99.2	%	80-140	12500		01/22/01 17:27	TP	538179
Surr: Toluene-d8	97.6	%	80-140	125		01/19/01 20:59	JC	536682

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-007 **Collected:** 1/17/01 10:30:00 **SPL Sample ID:** 01010465-03

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330	1		01/19/01 20:59	S_G	537341
1,2-Dichlorobenzene	ND	50	1		01/19/01 20:59	S_G	537341
1,3-Dichlorobenzene	ND	50	1		01/19/01 20:59	S_G	537341
1,4-Dichlorobenzene	ND	50	1		01/19/01 20:59	S_G	537341
2,4,5-Trichlorophenol	ND	1700	1		01/19/01 20:59	S_G	537341
2,4,6-Trichlorophenol	ND	330	1		01/19/01 20:59	S_G	537341
2,4-Dichlorophenol	ND	330	1		01/19/01 20:59	S_G	537341
2,4-Dimethylphenol	ND	330	1		01/19/01 20:59	S_G	537341
2,4-Dinitrophenol	ND	1700	1		01/19/01 20:59	S_G	537341
2,4-Dinitrotoluene	ND	330	1		01/19/01 20:59	S_G	537341
2,6-Dinitrotoluene	ND	330	1		01/19/01 20:59	S_G	537341
2-Chloronaphthalene	ND	330	1		01/19/01 20:59	S_G	537341
2-Chlorophenol	ND	330	1		01/19/01 20:59	S_G	537341
2-Methylnaphthalene	ND	330	1		01/19/01 20:59	S_G	537341
2-Nitroaniline	ND	1700	1		01/19/01 20:59	S_G	537341
2-Nitrophenol	ND	1700	1		01/19/01 20:59	S_G	537341
3,3'-Dichlorobenzidine	ND	2000	1		01/19/01 20:59	S_G	537341
3-Nitroaniline	ND	1700	1		01/19/01 20:59	S_G	537341
4,6-Dinitro-2-methylphenol	ND	1700	1		01/19/01 20:59	S_G	537341
4-Bromophenyl phenyl ether	ND	330	1		01/19/01 20:59	S_G	537341
4-Chloro-3-methylphenol	ND	1300	1		01/19/01 20:59	S_G	537341
4-Chloroaniline	ND	330	1		01/19/01 20:59	S_G	537341
4-Chlorophenyl phenyl ether	ND	330	1		01/19/01 20:59	S_G	537341
4-Nitroaniline	ND	1700	1		01/19/01 20:59	S_G	537341
4-Nitrophenol	ND	800	1		01/19/01 20:59	S_G	537341
Acenaphthene	ND	330	1		01/19/01 20:59	S_G	537341
Acenaphthylene	ND	330	1		01/19/01 20:59	S_G	537341
Anthracene	ND	330	1		01/19/01 20:59	S_G	537341
Benz(a)anthracene	ND	330	1		01/19/01 20:59	S_G	537341
Benzo(a)pyrene	ND	330	1		01/19/01 20:59	S_G	537341
Benzo(b)fluoranthene	ND	330	1		01/19/01 20:59	S_G	537341
Benzo(g,h,i)perylene	ND	330	1		01/19/01 20:59	S_G	537341
Benzo(k)fluoranthene	ND	330	1		01/19/01 20:59	S_G	537341
Bis(2-chloroethoxy)methane	ND	330	1		01/19/01 20:59	S_G	537341
Bis(2-chloroethyl)ether	ND	330	1		01/19/01 20:59	S_G	537341
Bis(2-chloroisopropyl)ether	ND	330	1		01/19/01 20:59	S_G	537341
Bis(2-ethylhexyl)phthalate	ND	330	1		01/19/01 20:59	S_G	537341
Butyl benzyl phthalate	ND	330	1		01/19/01 20:59	S_G	537341
Carbazole	ND	330	1		01/19/01 20:59	S_G	537341
Chrysene	ND	330	1		01/19/01 20:59	S_G	537341

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-007 **Collected:** 1/17/01 10:30:00 **SPL Sample ID:** 01010465-03

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/19/01 20:59	S_G	537341
Di-n-octyl phthalate	ND		330	1		01/19/01 20:59	S_G	537341
Dibenz(a,h)anthracene	ND		330	1		01/19/01 20:59	S_G	537341
Dibenzofuran	ND		330	1		01/19/01 20:59	S_G	537341
Diethyl phthalate	ND		330	1		01/19/01 20:59	S_G	537341
Dimethyl phthalate	ND		330	1		01/19/01 20:59	S_G	537341
Fluoranthene	ND		330	1		01/19/01 20:59	S_G	537341
Fluorene	ND		330	1		01/19/01 20:59	S_G	537341
Hexachlorobenzene	ND		330	1		01/19/01 20:59	S_G	537341
Hexachlorobutadiene	ND		330	1		01/19/01 20:59	S_G	537341
Hexachlorocyclopentadiene	ND		330	1		01/19/01 20:59	S_G	537341
Hexachloroethane	ND		100	1		01/19/01 20:59	S_G	537341
Indeno(1,2,3-cd)pyrene	ND		330	1		01/19/01 20:59	S_G	537341
Isophorone	ND		330	1		01/19/01 20:59	S_G	537341
N-Nitrosodi-n-propylamine	ND		330	1		01/19/01 20:59	S_G	537341
N-Nitrosodiphenylamine	ND		330	1		01/19/01 20:59	S_G	537341
Naphthalene	ND		330	1		01/19/01 20:59	S_G	537341
Nitrobenzene	ND		330	1		01/19/01 20:59	S_G	537341
Pentachlorophenol	ND		3400	1		01/19/01 20:59	S_G	537341
Phenanthrene	ND		330	1		01/19/01 20:59	S_G	537341
Phenol	ND		330	1		01/19/01 20:59	S_G	537341
Pyrene	ND		330	1		01/19/01 20:59	S_G	537341
2-Methylphenol	ND		330	1		01/19/01 20:59	S_G	537341
3 & 4-Methylphenol	ND		330	1		01/19/01 20:59	S_G	537341
Surr: 2,4,6-Tribromophenol	100	%	19-122	1		01/19/01 20:59	S_G	537341
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		01/19/01 20:59	S_G	537341
Surr: 2-Fluorophenol	72.0	%	25-121	1		01/19/01 20:59	S_G	537341
Surr: Nitrobenzene-d5	76.5	%	23-120	1		01/19/01 20:59	S_G	537341
Surr: Phenol-d5	72.0	%	24-113	1		01/19/01 20:59	S_G	537341
Surr: Terphenyl-d14	94.1	%	18-137	1		01/19/01 20:59	S_G	537341

Prep Method	Prep Date	Prep Initials
SW3550B	01/19/2001 13:27	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-170101-DRD-007 **Collected:** 1/17/01 10:30:00 **SPL Sample ID:** 01010465-03

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		5	1		01/19/01 12:14	NL	537438
1,1,2,2-Tetrachloroethane	ND		5	1		01/19/01 12:14	NL	537438
1,1,2-Trichloroethane	ND		5	1		01/19/01 12:14	NL	537438
1,1-Dichloroethane	ND		5	1		01/19/01 12:14	NL	537438
1,1-Dichloroethene	ND		5	1		01/19/01 12:14	NL	537438
1,2-Dichloroethane	ND		5	1		01/19/01 12:14	NL	537438
1,2-Dichloropropane	ND		5	1		01/19/01 12:14	NL	537438
2-Butanone	ND		20	1		01/19/01 12:14	NL	537438
2-Hexanone	ND		10	1		01/19/01 12:14	NL	537438
4-Methyl-2-pentanone	ND		10	1		01/19/01 12:14	NL	537438
Acetone	ND		100	1		01/19/01 12:14	NL	537438
Benzene	ND		5	1		01/19/01 12:14	NL	537438
Bromodichloromethane	ND		5	1		01/19/01 12:14	NL	537438
Bromoform	ND		5	1		01/19/01 12:14	NL	537438
Bromomethane	ND		5	1		01/19/01 12:14	NL	537438
Carbon disulfide	ND		5	1		01/19/01 12:14	NL	537438
Carbon tetrachloride	ND		5	1		01/19/01 12:14	NL	537438
Chlorobenzene	ND		5	1		01/19/01 12:14	NL	537438
Chloroethane	ND		10	1		01/19/01 12:14	NL	537438
Chloroform	ND		5	1		01/19/01 12:14	NL	537438
Chloromethane	ND		10	1		01/19/01 12:14	NL	537438
dibromochloromethane	ND		5	1		01/19/01 12:14	NL	537438
Ethylbenzene	ND		5	1		01/19/01 12:14	NL	537438
Methylene chloride	ND		5	1		01/19/01 12:14	NL	537438
Styrene	ND		5	1		01/19/01 12:14	NL	537438
Tetrachloroethene	ND		5	1		01/19/01 12:14	NL	537438
Toluene	ND		5	1		01/19/01 12:14	NL	537438
trans-1,3-Dichloropropene	ND		5	1		01/19/01 12:14	NL	537438
Trichloroethene	ND		5	1		01/19/01 12:14	NL	537438
Vinyl chloride	17		10	1		01/19/01 12:14	NL	537438
cis-1,2-Dichloroethene	ND		5	1		01/19/01 12:14	NL	537438
cis-1,3-Dichloropropene	ND		5	1		01/19/01 12:14	NL	537438
trans-1,2-Dichloroethene	ND		5	1		01/19/01 12:14	NL	537438
Xylenes,Total	ND		5	1		01/19/01 12:14	NL	537438
Surr: 1,2-Dichloroethane-d4	100	%	70-120	1		01/19/01 12:14	NL	537438
Surr: 4-Bromofluorobenzene	88.0	%	74-130	1		01/19/01 12:14	NL	537438
Surr: Toluene-d8	100	%	80-140	1		01/19/01 12:14	NL	537438

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-008 **Collected:** 1/17/01 11:30:00 **SPL Sample ID:** 01010465-04

Site: ***#11676-10 Fields Brooks Site Ashtabua, OH***

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330	1		01/19/01 21:31	S_G	537342
1,2-Dichlorobenzene	560	50	1		01/19/01 21:31	S_G	537342
1,3-Dichlorobenzene	ND	50	1		01/19/01 21:31	S_G	537342
1,4-Dichlorobenzene	ND	50	1		01/19/01 21:31	S_G	537342
2,4,5-Trichlorophenol	ND	1700	1		01/19/01 21:31	S_G	537342
2,4,6-Trichlorophenol	ND	330	1		01/19/01 21:31	S_G	537342
2,4-Dichlorophenol	ND	330	1		01/19/01 21:31	S_G	537342
2,4-Dimethylphenol	ND	330	1		01/19/01 21:31	S_G	537342
2,4-Dinitrophenol	ND	1700	1		01/19/01 21:31	S_G	537342
2,4-Dinitrotoluene	ND	330	1		01/19/01 21:31	S_G	537342
2,6-Dinitrotoluene	ND	330	1		01/19/01 21:31	S_G	537342
2-Chloronaphthalene	ND	330	1		01/19/01 21:31	S_G	537342
2-Chlorophenol	ND	330	1		01/19/01 21:31	S_G	537342
2-Methylnaphthalene	ND	330	1		01/19/01 21:31	S_G	537342
2-Nitroaniline	ND	1700	1		01/19/01 21:31	S_G	537342
2-Nitrophenol	ND	1700	1		01/19/01 21:31	S_G	537342
3,3'-Dichlorobenzidine	ND	2000	1		01/19/01 21:31	S_G	537342
3-Nitroaniline	ND	1700	1		01/19/01 21:31	S_G	537342
4,6-Dinitro-2-methylphenol	ND	1700	1		01/19/01 21:31	S_G	537342
4-Bromophenyl phenyl ether	ND	330	1		01/19/01 21:31	S_G	537342
4-Chloro-3-methylphenol	ND	1300	1		01/19/01 21:31	S_G	537342
4-Chloroaniline	ND	330	1		01/19/01 21:31	S_G	537342
4-Chlorophenyl phenyl ether	ND	330	1		01/19/01 21:31	S_G	537342
4-Nitroaniline	ND	1700	1		01/19/01 21:31	S_G	537342
4-Nitrophenol	ND	800	1		01/19/01 21:31	S_G	537342
Acenaphthene	ND	330	1		01/19/01 21:31	S_G	537342
Acenaphthylene	ND	330	1		01/19/01 21:31	S_G	537342
Anthracene	ND	330	1		01/19/01 21:31	S_G	537342
Benz(a)anthracene	ND	330	1		01/19/01 21:31	S_G	537342
Benzo(a)pyrene	ND	330	1		01/19/01 21:31	S_G	537342
Benzo(b)fluoranthene	ND	330	1		01/19/01 21:31	S_G	537342
Benzo(g,h,i)perylene	ND	330	1		01/19/01 21:31	S_G	537342
Benzo(k)fluoranthene	ND	330	1		01/19/01 21:31	S_G	537342
Bis(2-chloroethoxy)methane	ND	330	1		01/19/01 21:31	S_G	537342
Bis(2-chloroethyl)ether	ND	330	1		01/19/01 21:31	S_G	537342
Bis(2-chloroisopropyl)ether	ND	330	1		01/19/01 21:31	S_G	537342
Bis(2-ethylhexyl)phthalate	ND	330	1		01/19/01 21:31	S_G	537342
Butyl benzyl phthalate	ND	330	1		01/19/01 21:31	S_G	537342
Carbazole	ND	330	1		01/19/01 21:31	S_G	537342
Chrysene	ND	330	1		01/19/01 21:31	S_G	537342

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-008 **Collected:** 1/17/01 11:30:00 **SPL Sample ID:** 01010465-04

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/19/01 21:31	S_G	537342
Di-n-octyl phthalate	ND		330	1		01/19/01 21:31	S_G	537342
Dibenz(a,h)anthracene	ND		330	1		01/19/01 21:31	S_G	537342
Dibenzofuran	ND		330	1		01/19/01 21:31	S_G	537342
Diethyl phthalate	ND		330	1		01/19/01 21:31	S_G	537342
Dimethyl phthalate	ND		330	1		01/19/01 21:31	S_G	537342
Fluoranthene	ND		330	1		01/19/01 21:31	S_G	537342
Fluorene	ND		330	1		01/19/01 21:31	S_G	537342
Hexachlorobenzene	640		330	1		01/19/01 21:31	S_G	537342
Hexachlorobutadiene	1600		330	1		01/19/01 21:31	S_G	537342
Hexachlorocyclopentadiene	ND		330	1		01/19/01 21:31	S_G	537342
Hexachloroethane	760		100	1		01/19/01 21:31	S_G	537342
Indeno(1,2,3-cd)pyrene	ND		330	1		01/19/01 21:31	S_G	537342
Isophorone	ND		330	1		01/19/01 21:31	S_G	537342
N-Nitrosodi-n-propylamine	ND		330	1		01/19/01 21:31	S_G	537342
N-Nitrosodiphenylamine	ND		330	1		01/19/01 21:31	S_G	537342
Naphthalene	ND		330	1		01/19/01 21:31	S_G	537342
Nitrobenzene	ND		330	1		01/19/01 21:31	S_G	537342
Pentachlorophenol	ND		3400	1		01/19/01 21:31	S_G	537342
Phenanthrene	ND		330	1		01/19/01 21:31	S_G	537342
Phenol	ND		330	1		01/19/01 21:31	S_G	537342
Pyrene	ND		330	1		01/19/01 21:31	S_G	537342
2-Methylphenol	ND		330	1		01/19/01 21:31	S_G	537342
3 & 4-Methylphenol	ND		330	1		01/19/01 21:31	S_G	537342
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		01/19/01 21:31	S_G	537342
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		01/19/01 21:31	S_G	537342
Surr: 2-Fluorophenol	72.0	%	25-121	1		01/19/01 21:31	S_G	537342
Surr: Nitrobenzene-d5	76.5	%	23-120	1		01/19/01 21:31	S_G	537342
Surr: Phenol-d5	68.0	%	24-113	1		01/19/01 21:31	S_G	537342
Surr: Terphenyl-d14	82.4	%	18-137	1		01/19/01 21:31	S_G	537342

Prep Method	Prep Date	Prep Initials
SW3550B	01/19/2001 13:27	J_L

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-008 **Collected:** 1/17/01 11:30:00 **SPL Sample ID:** 01010465-04

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		120	125		01/19/01 21:25	JC	536685
1,1,2,2-Tetrachloroethane	ND		120	125		01/19/01 21:25	JC	536685
1,1,2-Trichloroethane	ND		120	125		01/19/01 21:25	JC	536685
1,1-Dichloroethane	ND		120	125		01/19/01 21:25	JC	536685
1,1-Dichloroethene	290		120	125		01/19/01 21:25	JC	536685
1,2-Dichloroethane	ND		120	125		01/19/01 21:25	JC	536685
1,2-Dichloropropane	ND		120	125		01/19/01 21:25	JC	536685
2-Butanone	ND		6200	125		01/19/01 21:25	JC	536685
2-Hexanone	ND		6200	125		01/19/01 21:25	JC	536685
4-Methyl-2-pentanone	ND		6200	125		01/19/01 21:25	JC	536685
Acetone	ND		12000	125		01/19/01 21:25	JC	536685
Benzene	ND		120	125		01/19/01 21:25	JC	536685
Bromodichloromethane	ND		120	125		01/19/01 21:25	JC	536685
Bromoform	ND		120	125		01/19/01 21:25	JC	536685
Bromomethane	ND		120	125		01/19/01 21:25	JC	536685
Carbon disulfide	ND		620	125		01/19/01 21:25	JC	536685
Carbon tetrachloride	ND		120	125		01/19/01 21:25	JC	536685
Chlorobenzene	ND		120	125		01/19/01 21:25	JC	536685
Chloroethane	ND		1200	125		01/19/01 21:25	JC	536685
Chloroform	ND		120	125		01/19/01 21:25	JC	536685
Chloromethane	ND		1200	125		01/19/01 21:25	JC	536685
dibromochloromethane	ND		120	125		01/19/01 21:25	JC	536685
Ethylbenzene	ND		120	125		01/19/01 21:25	JC	536685
Methylene chloride	ND		620	125		01/19/01 21:25	JC	536685
Styrene	ND		120	125		01/19/01 21:25	JC	536685
Tetrachloroethene	640000		6200	6250		01/22/01 16:38	TP	538177
Toluene	ND		120	125		01/19/01 21:25	JC	536685
trans-1,3-Dichloropropene	ND		120	125		01/19/01 21:25	JC	536685
Trichloroethene	200000		6200	6250		01/22/01 16:38	TP	538177
Vinyl chloride	ND		120	125		01/19/01 21:25	JC	536685
cis-1,2-Dichloroethene	6900		120	125		01/19/01 21:25	JC	536685
cis-1,3-Dichloropropene	ND		120	125		01/19/01 21:25	JC	536685
trans-1,2-Dichloroethene	320		120	125		01/19/01 21:25	JC	536685
Xylenes,Total	ND		380	125		01/19/01 21:25	JC	536685
Surr: 1,2-Dichloroethane-d4	94.4	%	70-120	125		01/19/01 21:25	JC	536685
Surr: 1,2-Dichloroethane-d4	99.2	%	70-120	6250		01/22/01 16:38	TP	538177
Surr: 4-Bromofluorobenzene	96.0	%	74-130	6250		01/22/01 16:38	TP	538177
Surr: 4-Bromofluorobenzene	94.4	%	74-130	125		01/19/01 21:25	JC	536685
Surr: Toluene-d8	99.2	%	80-140	125		01/19/01 21:25	JC	536685
Surr: Toluene-d8	102	%	80-140	6250		01/22/01 16:38	TP	538177

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-170101-DRD-009 Collected: 1/17/01 3:10:00 SPL Sample ID: 01010465-05

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		MCL	SW8270C		Units: ug/Kg		
1,2,4-Trichlorobenzene	ND	330	1		01/19/01 22:02	S_G	537343
1,2-Dichlorobenzene	ND	50	1		01/19/01 22:02	S_G	537343
1,3-Dichlorobenzene	ND	50	1		01/19/01 22:02	S_G	537343
1,4-Dichlorobenzene	ND	50	1		01/19/01 22:02	S_G	537343
2,4,5-Trichlorophenol	ND	1700	1		01/19/01 22:02	S_G	537343
2,4,6-Trichlorophenol	ND	330	1		01/19/01 22:02	S_G	537343
2,4-Dichlorophenol	ND	330	1		01/19/01 22:02	S_G	537343
2,4-Dimethylphenol	ND	330	1		01/19/01 22:02	S_G	537343
2,4-Dinitrophenol	ND	1700	1		01/19/01 22:02	S_G	537343
2,4-Dinitrotoluene	ND	330	1		01/19/01 22:02	S_G	537343
2,6-Dinitrotoluene	ND	330	1		01/19/01 22:02	S_G	537343
2-Chloronaphthalene	ND	330	1		01/19/01 22:02	S_G	537343
2-Chlorophenol	ND	330	1		01/19/01 22:02	S_G	537343
2-Methylnaphthalene	ND	330	1		01/19/01 22:02	S_G	537343
2-Nitroaniline	ND	1700	1		01/19/01 22:02	S_G	537343
2-Nitrophenol	ND	1700	1		01/19/01 22:02	S_G	537343
3,3'-Dichlorobenzidine	ND	2000	1		01/19/01 22:02	S_G	537343
3-Nitroaniline	ND	1700	1		01/19/01 22:02	S_G	537343
4,6-Dinitro-2-methylphenol	ND	1700	1		01/19/01 22:02	S_G	537343
4-Bromophenyl phenyl ether	ND	330	1		01/19/01 22:02	S_G	537343
4-Chloro-3-methylphenol	ND	1300	1		01/19/01 22:02	S_G	537343
4-Chloroaniline	ND	330	1		01/19/01 22:02	S_G	537343
4-Chlorophenyl phenyl ether	ND	330	1		01/19/01 22:02	S_G	537343
4-Nitroaniline	ND	1700	1		01/19/01 22:02	S_G	537343
4-Nitrophenol	ND	800	1		01/19/01 22:02	S_G	537343
Acenaphthene	ND	330	1		01/19/01 22:02	S_G	537343
Acenaphthylene	ND	330	1		01/19/01 22:02	S_G	537343
Anthracene	ND	330	1		01/19/01 22:02	S_G	537343
Benz(a)anthracene	ND	330	1		01/19/01 22:02	S_G	537343
Benzo(a)pyrene	ND	330	1		01/19/01 22:02	S_G	537343
Benzo(b)fluoranthene	ND	330	1		01/19/01 22:02	S_G	537343
Benzo(g,h,i)perylene	ND	330	1		01/19/01 22:02	S_G	537343
Benzo(k)fluoranthene	ND	330	1		01/19/01 22:02	S_G	537343
Bis(2-chloroethoxy)methane	ND	330	1		01/19/01 22:02	S_G	537343
Bis(2-chloroethyl)ether	ND	330	1		01/19/01 22:02	S_G	537343
Bis(2-chloroisopropyl)ether	ND	330	1		01/19/01 22:02	S_G	537343
Bis(2-ethylhexyl)phthalate	ND	330	1		01/19/01 22:02	S_G	537343
Butyl benzyl phthalate	ND	330	1		01/19/01 22:02	S_G	537343
Carbazole	ND	330	1		01/19/01 22:02	S_G	537343
Chrysene	ND	330	1		01/19/01 22:02	S_G	537343

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-009 **Collected:** 1/17/01 3:10:00 **SPL Sample ID:** 01010465-05

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/19/01 22:02	S_G	537343
Di-n-octyl phthalate	ND		330	1		01/19/01 22:02	S_G	537343
Dibenz(a,h)anthracene	ND		330	1		01/19/01 22:02	S_G	537343
Dibenzofuran	ND		330	1		01/19/01 22:02	S_G	537343
Diethyl phthalate	ND		330	1		01/19/01 22:02	S_G	537343
Dimethyl phthalate	ND		330	1		01/19/01 22:02	S_G	537343
Fluoranthene	ND		330	1		01/19/01 22:02	S_G	537343
Fluorene	ND		330	1		01/19/01 22:02	S_G	537343
Hexachlorobenzene	ND		330	1		01/19/01 22:02	S_G	537343
Hexachlorobutadiene	ND		330	1		01/19/01 22:02	S_G	537343
Hexachlorocyclopentadiene	ND		330	1		01/19/01 22:02	S_G	537343
Hexachloroethane	ND		100	1		01/19/01 22:02	S_G	537343
Indeno(1,2,3-cd)pyrene	ND		330	1		01/19/01 22:02	S_G	537343
Isophorone	ND		330	1		01/19/01 22:02	S_G	537343
N-Nitrosodi-n-propylamine	ND		330	1		01/19/01 22:02	S_G	537343
N-Nitrosodiphenylamine	ND		330	1		01/19/01 22:02	S_G	537343
Naphthalene	ND		330	1		01/19/01 22:02	S_G	537343
Nitrobenzene	ND		330	1		01/19/01 22:02	S_G	537343
Pentachlorophenol	ND		3400	1		01/19/01 22:02	S_G	537343
Phenanthrene	ND		330	1		01/19/01 22:02	S_G	537343
Phenol	ND		330	1		01/19/01 22:02	S_G	537343
Pyrene	ND		330	1		01/19/01 22:02	S_G	537343
2-Methylphenol	ND		330	1		01/19/01 22:02	S_G	537343
3 & 4-Methylphenol	ND		330	1		01/19/01 22:02	S_G	537343
Surr: 2,4,6-Tribromophenol	96.0	%	19-122	1		01/19/01 22:02	S_G	537343
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		01/19/01 22:02	S_G	537343
Surr: 2-Fluorophenol	76.0	%	25-121	1		01/19/01 22:02	S_G	537343
Surr: Nitrobenzene-d5	82.4	%	23-120	1		01/19/01 22:02	S_G	537343
Surr: Phenol-d5	76.0	%	24-113	1		01/19/01 22:02	S_G	537343
Surr: Terphenyl-d14	88.2	%	18-137	1		01/19/01 22:02	S_G	537343

Prep Method	Prep Date	Prep Initials
SW3550B	01/19/2001 13:27	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-009 **Collected:** 1/17/01 3:10:00 **SPL Sample ID:** 01010465-05

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		120	125		01/19/01 20:07	JC	536677
1,1,2,2-Tetrachloroethane	ND		120	125		01/19/01 20:07	JC	536677
1,1,2-Trichloroethane	ND		120	125		01/19/01 20:07	JC	536677
1,1-Dichloroethane	ND		120	125		01/19/01 20:07	JC	536677
1,1-Dichloroethene	2100		120	125		01/19/01 20:07	JC	536677
1,2-Dichloroethane	ND		120	125		01/19/01 20:07	JC	536677
1,2-Dichloropropane	ND		120	125		01/19/01 20:07	JC	536677
2-Butanone	ND		6200	125		01/19/01 20:07	JC	536677
2-Hexanone	ND		6200	125		01/19/01 20:07	JC	536677
4-Methyl-2-pentanone	ND		6200	125		01/19/01 20:07	JC	536677
Acetone	ND		12000	125		01/19/01 20:07	JC	536677
Benzene	ND		120	125		01/19/01 20:07	JC	536677
Bromodichloromethane	ND		120	125		01/19/01 20:07	JC	536677
Bromoform	ND		120	125		01/19/01 20:07	JC	536677
Bromomethane	ND		120	125		01/19/01 20:07	JC	536677
Carbon disulfide	ND		620	125		01/19/01 20:07	JC	536677
Carbon tetrachloride	ND		120	125		01/19/01 20:07	JC	536677
Chlorobenzene	ND		120	125		01/19/01 20:07	JC	536677
Chloroethane	ND		1200	125		01/19/01 20:07	JC	536677
Chloroform	ND		120	125		01/19/01 20:07	JC	536677
Chloromethane	ND		1200	125		01/19/01 20:07	JC	536677
cibromochloromethane	ND		120	125		01/19/01 20:07	JC	536677
Ethylbenzene	ND		120	125		01/19/01 20:07	JC	536677
Methylene chloride	ND		620	125		01/19/01 20:07	JC	536677
Styrene	ND		120	125		01/19/01 20:07	JC	536677
Tetrachloroethene	3800		1200	1250		01/22/01 15:24	TP	538174
Toluene	ND		120	125		01/19/01 20:07	JC	536677
trans-1,3-Dichloropropene	ND		120	125		01/19/01 20:07	JC	536677
Trichloroethene	110000		1200	1250		01/22/01 15:24	TP	538174
Vinyl chloride	ND		120	125		01/19/01 20:07	JC	536677
cis-1,2-Dichloroethene	3900		120	125		01/19/01 20:07	JC	536677
cis-1,3-Dichloropropene	ND		120	125		01/19/01 20:07	JC	536677
trans-1,2-Dichloroethene	ND		120	125		01/19/01 20:07	JC	536677
Xylenes,Total	ND		380	125		01/19/01 20:07	JC	536677
Surr: 1,2-Dichloroethane-d4	99.2	%	70-120	1250		01/22/01 15:24	TP	538174
Surr: 1,2-Dichloroethane-d4	92.8	%	70-120	125		01/19/01 20:07	JC	536677
Surr: 4-Bromofluorobenzene	91.2	%	74-130	1250		01/22/01 15:24	TP	538174
Surr: 4-Bromofluorobenzene	91.2	%	74-130	125		01/19/01 20:07	JC	536677
Surr: Toluene-d8	99.2	%	80-140	1250		01/22/01 15:24	TP	538174
Surr: Toluene-d8	97.6	%	80-140	125		01/19/01 20:07	JC	536677

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-010 **Collected:** 1/17/01 3:10:00 **SPL Sample ID:** 01010465-06

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330	1		01/19/01 22:34	S_G	537344
1,2-Dichlorobenzene	ND	50	1		01/19/01 22:34	S_G	537344
1,3-Dichlorobenzene	ND	50	1		01/19/01 22:34	S_G	537344
1,4-Dichlorobenzene	ND	50	1		01/19/01 22:34	S_G	537344
2,4,5-Trichlorophenol	ND	1700	1		01/19/01 22:34	S_G	537344
2,4,6-Trichlorophenol	ND	330	1		01/19/01 22:34	S_G	537344
2,4-Dichlorophenol	ND	330	1		01/19/01 22:34	S_G	537344
2,4-Dimethylphenol	ND	330	1		01/19/01 22:34	S_G	537344
2,4-Dinitrophenol	ND	1700	1		01/19/01 22:34	S_G	537344
2,4-Dinitrotoluene	ND	330	1		01/19/01 22:34	S_G	537344
2,6-Dinitrotoluene	ND	330	1		01/19/01 22:34	S_G	537344
2-Chloronaphthalene	ND	330	1		01/19/01 22:34	S_G	537344
2-Chlorophenol	ND	330	1		01/19/01 22:34	S_G	537344
2-Methylnaphthalene	ND	330	1		01/19/01 22:34	S_G	537344
2-Nitroaniline	ND	1700	1		01/19/01 22:34	S_G	537344
2-Nitrophenol	ND	1700	1		01/19/01 22:34	S_G	537344
3,3'-Dichlorobenzidine	ND	2000	1		01/19/01 22:34	S_G	537344
3-Nitroaniline	ND	1700	1		01/19/01 22:34	S_G	537344
4,6-Dinitro-2-methylphenol	ND	1700	1		01/19/01 22:34	S_G	537344
4-Bromophenyl phenyl ether	ND	330	1		01/19/01 22:34	S_G	537344
4-Chloro-3-methylphenol	ND	1300	1		01/19/01 22:34	S_G	537344
4-Chloroaniline	ND	330	1		01/19/01 22:34	S_G	537344
4-Chlorophenyl phenyl ether	ND	330	1		01/19/01 22:34	S_G	537344
4-Nitroaniline	ND	1700	1		01/19/01 22:34	S_G	537344
4-Nitrophenol	ND	800	1		01/19/01 22:34	S_G	537344
Acenaphthene	ND	330	1		01/19/01 22:34	S_G	537344
Acenaphthylene	ND	330	1		01/19/01 22:34	S_G	537344
Anthracene	ND	330	1		01/19/01 22:34	S_G	537344
Benz(a)anthracene	ND	330	1		01/19/01 22:34	S_G	537344
Benzo(a)pyrene	ND	330	1		01/19/01 22:34	S_G	537344
Benzo(b)fluoranthene	ND	330	1		01/19/01 22:34	S_G	537344
Benzo(g,h,i)perylene	ND	330	1		01/19/01 22:34	S_G	537344
Benzo(k)fluoranthene	ND	330	1		01/19/01 22:34	S_G	537344
Bis(2-chloroethoxy)methane	ND	330	1		01/19/01 22:34	S_G	537344
Bis(2-chloroethyl)ether	ND	330	1		01/19/01 22:34	S_G	537344
Bis(2-chloroisopropyl)ether	ND	330	1		01/19/01 22:34	S_G	537344
Bis(2-ethylhexyl)phthalate	ND	330	1		01/19/01 22:34	S_G	537344
Butyl benzyl phthalate	ND	330	1		01/19/01 22:34	S_G	537344
Carbazole	ND	330	1		01/19/01 22:34	S_G	537344
Chrysene	ND	330	1		01/19/01 22:34	S_G	537344

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - *Analyte detected in the associated Method Blank*
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - *Surrogate Recovery Unreportable due to Dilution*
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-170101-DRD-010 Collected: 1/17/01 3:10:00 SPL Sample ID: 01010465-06

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/19/01 22:34	S_G	537344
Di-n-octyl phthalate	ND		330	1		01/19/01 22:34	S_G	537344
Dibenz(a,h)anthracene	ND		330	1		01/19/01 22:34	S_G	537344
Dibenzofuran	ND		330	1		01/19/01 22:34	S_G	537344
Diethyl phthalate	ND		330	1		01/19/01 22:34	S_G	537344
Dimethyl phthalate	ND		330	1		01/19/01 22:34	S_G	537344
Fluoranthene	ND		330	1		01/19/01 22:34	S_G	537344
Fluorene	ND		330	1		01/19/01 22:34	S_G	537344
Hexachlorobenzene	ND		330	1		01/19/01 22:34	S_G	537344
Hexachlorobutadiene	ND		330	1		01/19/01 22:34	S_G	537344
Hexachlorocyclopentadiene	ND		330	1		01/19/01 22:34	S_G	537344
Hexachloroethane	ND		100	1		01/19/01 22:34	S_G	537344
Indeno(1,2,3-cd)pyrene	ND		330	1		01/19/01 22:34	S_G	537344
Isophorone	ND		330	1		01/19/01 22:34	S_G	537344
N-Nitrosodi-n-propylamine	ND		330	1		01/19/01 22:34	S_G	537344
N-Nitrosodiphenylamine	ND		330	1		01/19/01 22:34	S_G	537344
Naphthalene	ND		330	1		01/19/01 22:34	S_G	537344
Nitrobenzene	ND		330	1		01/19/01 22:34	S_G	537344
Pentachlorophenol	ND		3400	1		01/19/01 22:34	S_G	537344
Phenanthrene	ND		330	1		01/19/01 22:34	S_G	537344
Phenol	ND		330	1		01/19/01 22:34	S_G	537344
Pyrene	ND		330	1		01/19/01 22:34	S_G	537344
2-Methylphenol	ND		330	1		01/19/01 22:34	S_G	537344
3 & 4-Methylphenol	ND		330	1		01/19/01 22:34	S_G	537344
Surr: 2,4,6-Tribromophenol	92.0	%	19-122	1		01/19/01 22:34	S_G	537344
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		01/19/01 22:34	S_G	537344
Surr: 2-Fluorophenol	76.0	%	25-121	1		01/19/01 22:34	S_G	537344
Surr: Nitrobenzene-d5	76.5	%	23-120	1		01/19/01 22:34	S_G	537344
Surr: Phenol-d5	72.0	%	24-113	1		01/19/01 22:34	S_G	537344
Surr: Terpheny-d14	94.1	%	18-137	1		01/19/01 22:34	S_G	537344

Prep Method	Prep Date	Prep Initials
SW3550B	01/19/2001 13:27	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-170101-DRD-010 **Collected:** 1/17/01 3:10:00 **SPL Sample ID:** 01010465-06

Site: #11676-10 Fields Brooks Site Ashtabua, OH

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		120		125		01/19/01 20:33	JC	536679
1,1,2,2-Tetrachloroethane	ND		120		125		01/19/01 20:33	JC	536679
1,1,2-Trichloroethane	ND		120		125		01/19/01 20:33	JC	536679
1,1-Dichloroethane	ND		120		125		01/19/01 20:33	JC	536679
1,1-Dichloroethene	1500		120		125		01/19/01 20:33	JC	536679
1,2-Dichloroethane	ND		120		125		01/19/01 20:33	JC	536679
1,2-Dichloropropane	ND		120		125		01/19/01 20:33	JC	536679
2-Butanone	ND		6200		125		01/19/01 20:33	JC	536679
2-Hexanone	ND		6200		125		01/19/01 20:33	JC	536679
4-Methyl-2-pentanone	ND		6200		125		01/19/01 20:33	JC	536679
Acetone	ND		12000		125		01/19/01 20:33	JC	536679
Benzene	ND		120		125		01/19/01 20:33	JC	536679
Bromodichloromethane	ND		120		125		01/19/01 20:33	JC	536679
Bromoform	ND		120		125		01/19/01 20:33	JC	536679
Bromomethane	ND		120		125		01/19/01 20:33	JC	536679
Carbon disulfide	ND		620		125		01/19/01 20:33	JC	536679
Carbon tetrachloride	ND		120		125		01/19/01 20:33	JC	536679
Chlorobenzene	ND		120		125		01/19/01 20:33	JC	536679
Chloroethane	ND		1200		125		01/19/01 20:33	JC	536679
Chloroform	ND		120		125		01/19/01 20:33	JC	536679
Chloromethane	ND		1200		125		01/19/01 20:33	JC	536679
dibromochloromethane	ND		120		125		01/19/01 20:33	JC	536679
Ethylbenzene	ND		120		125		01/19/01 20:33	JC	536679
Methylene chloride	ND		620		125		01/19/01 20:33	JC	536679
Styrene	ND		120		125		01/19/01 20:33	JC	536679
Tetrachloroethene	500		120		125		01/19/01 20:33	JC	536679
Toluene	ND		120		125		01/19/01 20:33	JC	536679
trans-1,3-Dichloropropene	ND		120		125		01/19/01 20:33	JC	536679
Trichloroethene	140000		1200		1250		01/22/01 15:48	TP	538175
Vinyl chloride	ND		120		125		01/19/01 20:33	JC	536679
cis-1,2-Dichloroethene	3700		120		125		01/19/01 20:33	JC	536679
cis-1,3-Dichloropropene	ND		120		125		01/19/01 20:33	JC	536679
trans-1,2-Dichloroethene	ND		120		125		01/19/01 20:33	JC	536679
Xylenes,Total	ND		380		125		01/19/01 20:33	JC	536679
Surr: 1,2-Dichloroethane-d4	101	%	70-120		1250		01/22/01 15:48	TP	538175
Surr: 1,2-Dichloroethane-d4	97.6	%	70-120		125		01/19/01 20:33	JC	536679
Surr: 4-Bromofluorobenzene	94.4	%	74-130		1250		01/22/01 15:48	TP	538175
Surr: 4-Bromofluorobenzene	92.8	%	74-130		125		01/19/01 20:33	JC	536679
Surr: Toluene-d8	101	%	80-140		1250		01/22/01 15:48	TP	538175
Surr: Toluene-d8	97.6	%	80-140		125		01/19/01 20:33	JC	536679

Qualifiers:

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Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10 Fields Brooks Site Ashtabua, OH

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C
WorkOrder: 01010465
Lab Batch ID: 9730

Method Blank

RunID: H_010119B-537333 Units: ug/Kg
Analysis Date: 01/19/2001 16:41 Analyst: S_G
Preparation Date: 01/19/2001 13:27 Prep By: J_L Method SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010465-01B	S-11676-170101-DRD-005
01010465-02B	S-11676-170101-DRD-006
01010465-03B	S-11676-170101-DRD-007
01010465-04B	S-11676-170101-DRD-008
01010465-05B	S-11676-170101-DRD-009
01010465-06B	S-11676-170101-DRD-010

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated value between MDL and PQL
MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10 Fields Brooks Site Ashtabua, OH

Analysis:	**Semivolatile Organics by Method 8270C**	**WorkOrder:**	**01010465**
Method:	**SW8270C**	**Lab Batch ID:**	**9730**

Method Blank

RunID: H_010119B-537333 Units: ug/Kg

Analysis Date: 01/19/2001 16:41 Analyst: S_G

Preparation Date: 01/19/2001 13:27 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	104.0	19-122
Surr: 2-Fluorobiphenyl	94.1	30-115
Surr: 2-Fluorophenol	96.0	25-121
Surr: Nitrobenzene-d5	88.2	23-120
Surr: Phenol-d5	88.0	24-113
Surr: Terphenyl-d14	105.9	18-137

Laboratory Control Sample (LCS)

RunID: H_010119B-537334 Units: ug/Kg

Analysis Date: 01/19/2001 17:12 Analyst: S_G

Preparation Date: 01/19/2001 13:27 Prep By: J_L Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1600	94	39	110
1,4-Dichlorobenzene	1700	1500	88	36	110
2,4-Dinitrotoluene	1700	1600	94	50	150
2-Chlorophenol	2500	2300	92	27	123
4-Chloro-3-methylphenol	2500	2500	100	23	110
4-Nitrophenol	2500	2200	88	25	150
Acenaphthene	1700	1600	94	46	125
N-Nitrosodi-n-propylamine	1700	1500	88	41	116
Pentachlorophenol	2500	2700	108	9	125
Phenol	2500	2000	80	12	110
Pyrene	1700	1800	106	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

fiers:

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MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10 Fields Brooks Site Ashtabua, OH

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010465
Method: SW8270C **Lab Batch ID:** 9730

Sample Spiked: 01010465-01
RunID: H_010119B-537338 Units: ug/Kg
Analysis Date: 01/19/2001 19:24 Analyst: S_G
Preparation Date: 01/19/2001 13:27 Prep By: J_L Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1700	1300	76	1700	1400	82	7	28	39	110
1,4-Dichlorobenzene	ND	1700	1300	76	1700	1300	76	0	28	36	110
2,4-Dinitrotoluene	ND	1700	1300	76	1700	1400	82	7	50	50	150
2-Chlorophenol	ND	2500	1900	76	2500	2000	80	5	40	27	123
4-Chloro-3-methylphenol	ND	2500	2100	84	2500	2300	92	9	42	23	110
4-Nitrophenol	ND	2500	2000	80	2500	2200	88	10	50	25	150
Acenaphthene	ND	1700	1400	82	1700	1400	82	0	31	46	125
N-Nitrosodi-n-propylamine	ND	1700	1400	82	1700	1400	82	0	38	41	116
Pentachlorophenol	ND	2500	2100	84	2500	2400	96	13	50	9	125
Phenol	ND	2500	1800	72	2500	1800	72	0	42	12	110
Pyrene	ND	1700	1600	94	1700	1600	94	0	31	26	127

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10 Fields Brooks Site Ashtabua, OH

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 01010465
Lab Batch ID: R28025

Method Blank

RunID: K_010119A-536651 Units: ug/Kg
Analysis Date: 01/19/2001 16:01 Analyst: JC

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes, Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	97.6	70-120
Surr: 4-Bromofluorobenzene	91.2	74-130
Surr: Toluene-d8	97.6	80-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010465-01A	S-11676-170101-DRD-005
01010465-02A	S-11676-170101-DRD-006
01010465-04A	S-11676-170101-DRD-008
01010465-05A	S-11676-170101-DRD-009
01010465-06A	S-11676-170101-DRD-010

Laboratory Control Sample (LCS)

RunID: K_010119A-536648 Units: ug/L
Analysis Date: 01/19/2001 15:35 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	52	104	61	145
Benzene	50	40	80	76	127

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
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HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10 Fields Brooks Site Ashtabua, OH

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010465
Method: SW8260B **Lab Batch ID:** R28025

Laboratory Control Sample (LCS)

RunID: K_010119A-536648 Units: ug/L
Analysis Date: 01/19/2001 15:35 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chlorobenzene	50	46	92	75	130
Toluene	50	42	84	76	125
Trichloroethene	50	47	94	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010416-03
RunID: K_010119A-536658 Units: ug/Kg
Analysis Date: 01/19/2001 17:26 Analyst: JC

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	Hi Li
1,1-Dichloroethene	ND	6250	8100	106	6250	8100	106	0	22	59	172
Benzene	ND	6250	5100	82	6250	5100	82	0	21	66	142
Chlorobenzene	ND	6250	6000	96	6250	6000	96	0	21	60	133
Toluene	ND	6250	5500	88	6250	5400	86	2	21	59	139
Trichloroethene	ND	6250	210000	160 *	6250	210000	160 *	0	24	62	137

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10 Fields Brooks Site Ashtabua, OH

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010465
Method: SW8260B **Lab Batch ID:** R26091

Method Blank

RunID: N_010119A-537437 Units: ug/Kg
Analysis Date: 01/19/2001 11:39 Analyst: NL

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010465-03A	S-11676-170101-DRD-007

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
2-Butanone	ND	20
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Acetone	ND	100
Benzene	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	5.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	10
Chloroform	ND	5.0
Chloromethane	ND	10
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Methylene chloride	ND	5.0
Styrene	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Vinyl chloride	ND	10
cis-1,2-Dichloroethene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	90.0	70-120
Surr: 4-Bromofluorobenzene	96.0	74-130
Surr: Toluene-d8	96.0	80-140

Laboratory Control Sample (LCS)

RunID: N_010119A-537436 Units: ug/Kg
Analysis Date: 01/19/2001 11:10 Analyst: NL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	58	116	59	172

Notes:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10 Fields Brooks Site Ashtabua, OH

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010465
Method: SW8260B **Lab Batch ID:** R28091

Laboratory Control Sample (LCS)

RunID: N_010119A-537436 Units: ug/Kg
Analysis Date: 01/19/2001 11:10 Analyst: NL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	59	118	66	142
Chlorobenzene	50	59	118	60	133
Toluene	50	57	114	59	139
Trichloroethene	50	59	118	62	137

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: *01010485-03*
RunID: N_010119A-537440 Units: ug/Kg
Analysis Date: 01/19/2001 13:14 Analyst: NL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	H. Limit
1,1-Dichloroethene	ND	50	47	94	50	46	92	2	22	59	172
Benzene	ND	50	48	96	50	46	92	4	21	66	142
Chlorobenzene	ND	50	46	92	50	41	82	11	21	60	133
Toluene	ND	50	46	92	50	44	88	4	21	59	139
Trichloroethene	ND	50	48	96	50	47	94	2	24	62	137

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10 Fields Brooks Site Ashtabua, OH

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010465
Method: SW8260B **Lab Batch ID:** R28121

Method Blank

RunID: K_010122A-538159 Units: ug/Kg
Analysis Date: 01/22/2001 9:11 Analyst: TP

Analyte	Result	Rep Limit
Tetrachloroethene	ND	1.0
Trichloroethene	ND	1.0
Surr: 1,2-Dichloroethane-d4	100.0	70-120
Surr: 4-Bromofluorobenzene	92.0	74-130
Surr: Toluene-d8	100.0	80-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010465-01A	S-11676-170101-DRD-005
01010465-02A	S-11676-170101-DRD-006
01010465-04A	S-11676-170101-DRD-008
01010465-05A	S-11676-170101-DRD-009
01010465-06A	S-11676-170101-DRD-010

Laboratory Control Sample (LCS)

RunID: K_010122A-538158 Units: ug/L
Analysis Date: 01/22/2001 8:20 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	52	104	61	145
Benzene	50	44	88	76	127
Chlorobenzene	50	46	92	75	130
Toluene	50	44	88	76	125
Trichloroethene	50	46	92	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010471-02
RunID: K_010122A-538163 Units: ug/Kg
Analysis Date: 01/22/2001 10:51 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2500	2500	100	2500	2400	96	4	22	59	172
Benzene	ND	2500	2200	88	2500	2200	88	0	21	66	142
Chlorobenzene	ND	2500	2400	96	2500	2300	92	4	21	60	133
Toluene	260	2500	2600	94	2500	2400	86	9	21	59	139
Trichloroethene	ND	2500	2400	96	2500	2300	92	4	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Sample Receipt Checklist
And
Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01010465	Received by:	Stelly, D'Anna
Date and Time Received:	1/18/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	4		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	Not Present ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 01010465

09-170

page 1 of 1

Client Name: Conestoga Rovers + Associates
Address/Phone: 1-734-942-0909
Client Contact: Paul Wiseman
Project Name: Fields Brook Site
Project Number: 11676-10
Project Location: Ashtabula OH
Invoice To:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=other:)	bottle (P=plastic A=amber glass G=glass V=vial)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other:)	Number of Containers	Requested Analysis: TCL VOC	TCL SVOC	Bulk
~~11676-170101-MW~~	~~17-01-01~~											
11676-170101-DRD-005	17-01-01	9:15		X	S	G	4, encore	-	5	✓	✓	✓
11676-170101-DRD-005 MS/MSD	17-01-01	9:15		X	S	G	4, encore	-	5	✓	✓	✓
11676-170101-DRD-006	17-01-01	9:45		X	S	G	4, encore	-	5	✓	✓	✓
11676-170101-DRD-007	17-01-01	10:30		X	S	G	4, encore	-	5	✓	✓	✓
11676-170101-DRD-008	17-01-01	11:30		X	S	G	4, encore	-	5	✓	✓	✓
11676-170101-DRD-009	17-01-01	15:10		X	S	G	4, encore	-	5	✓	✓	✓
11676-170101-DRD-010	17-01-01	15:10		X	S	G	4, encore	-	5	✓	✓	✓

RUSH

Client/Consultant Remarks:

Laboratory remarks: Encore

Intact? ☐ Y ☐ N

Temp: 4

Requested TAT

24hr ☐ 72hr ☐

48hr ☐ Standard ☒

Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial): NW

	date	time	
1. Relinquished by Sampler: Dan Deitrich	17-01-01		2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory: Dianne Kelly 1/18/01 1000

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

Drive, Traverse City, MI 49684 (616) 947-5777

SP

HOUSTON LABORATORY 26 FEL01
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01010499

Report To:		Project Name:	#11676-10, Fields Brook Site
Conestoga-Rovers & Associates		Site:	Ashtabula, OH
Paul Wiseman		Site Address:	
11100 Metro Airport Center Drive			
Suite 160		PO Number:	40-013971-0
Romulus		State:	Michigan
MI		State Cert. No.:	
48174-		Date Reported:	2/5/01
ph: (734) 942-0909	fax: (734) 942-3080		

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

ORIGINAL ANALYTICAL REPORT

Project#: 11676-10 **Lab#:** 01010499

Name: Fields Brook

Description

Event: DNAPL Soil Evaluation

Samples: 3 Soil (1/18/01)

Analysis: VOC, SVOC

TAT: 14 days met

Lab: SPL

Checked Against Preliminary Data:

Date: 2/7/01 **Init.:** KMH

Date of Validation Memo: _____

Invoice Approval Date: 2/5/01

Comments: _____

FEB - 6

SDG: 4

Sonia West

West, Sonia
Senior Project Manager

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01010499

Report To: Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Fax To: Conestoga-Rovers & Associates
Paul Wiseman fax : (734) 942-3080

Project Name: #11676-10, Fields Brook Site
Site: Ashtabula, OH
Site Address:

PO Number: 40-013971-0
State: Michigan
State Cert. No.:
Date Reported: 2/5/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-180101-DRD-011	01010499-01	Soil	1/18/01 9:30:00 AM	1/19/01 10:00:00 AM	091772	☐
S-11676-180101-DRD-012	01010499-02	Soil	1/18/01 10:00:00 AM	1/19/01 10:00:00 AM	091772	☐
S-11676-180101-DRD-013	01010499-03	Soil	1/18/01 12:15:00 PM	1/19/01 10:00:00 AM	091772	☐

Sonia West

West, Sonia
Senior Project Manager

2/5/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-011 **Collected:** 1/18/01 9:30:00 **SPL Sample ID:** 01010499-01

Site: Ashtabula, OH

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330		1		01/22/01 18:04	S_G	539079
1,2-Dichlorobenzene	ND	50		1		01/22/01 18:04	S_G	539079
1,3-Dichlorobenzene	ND	50		1		01/22/01 18:04	S_G	539079
1,4-Dichlorobenzene	ND	50		1		01/22/01 18:04	S_G	539079
2,4,5-Trichlorophenol	ND	1700		1		01/22/01 18:04	S_G	539079
2,4,6-Trichlorophenol	ND	330		1		01/22/01 18:04	S_G	539079
2,4-Dichlorophenol	ND	330		1		01/22/01 18:04	S_G	539079
2,4-Dimethylphenol	ND	330		1		01/22/01 18:04	S_G	539079
2,4-Dinitrophenol	ND	1700		1		01/22/01 18:04	S_G	539079
2,4-Dinitrotoluene	ND	330		1		01/22/01 18:04	S_G	539079
2,6-Dinitrotoluene	ND	330		1		01/22/01 18:04	S_G	539079
2-Chloronaphthalene	ND	330		1		01/22/01 18:04	S_G	539079
2-Chlorophenol	ND	330		1		01/22/01 18:04	S_G	539079
2-Methylnaphthalene	ND	330		1		01/22/01 18:04	S_G	539079
2-Nitroaniline	ND	1700		1		01/22/01 18:04	S_G	539079
2-Nitrophenol	ND	1700		1		01/22/01 18:04	S_G	539079
3,3'-Dichlorobenzidine	ND	2000		1		01/22/01 18:04	S_G	539079
3-Nitroaniline	ND	1700		1		01/22/01 18:04	S_G	539079
4,6-Dinitro-2-methylphenol	ND	1700		1		01/22/01 18:04	S_G	539079
4-Bromophenyl phenyl ether	ND	330		1		01/22/01 18:04	S_G	539079
4-Chloro-3-methylphenol	ND	1300		1		01/22/01 18:04	S_G	539079
4-Chloroaniline	ND	330		1		01/22/01 18:04	S_G	539079
4-Chlorophenyl phenyl ether	ND	330		1		01/22/01 18:04	S_G	539079
4-Nitroaniline	ND	1700		1		01/22/01 18:04	S_G	539079
4-Nitrophenol	ND	800		1		01/22/01 18:04	S_G	539079
Acenaphthene	ND	330		1		01/22/01 18:04	S_G	539079
Acenaphthylene	ND	330		1		01/22/01 18:04	S_G	539079
Anthracene	ND	330		1		01/22/01 18:04	S_G	539079
Benz(a)anthracene	ND	330		1		01/22/01 18:04	S_G	539079
Benzo(a)pyrene	ND	330		1		01/22/01 18:04	S_G	539079
Benzo(b)fluoranthene	ND	330		1		01/22/01 18:04	S_G	539079
Benzo(g,h,i)perylene	ND	330		1		01/22/01 18:04	S_G	539079
Benzo(k)fluoranthene	ND	330		1		01/22/01 18:04	S_G	539079
Bis(2-chloroethoxy)methane	ND	330		1		01/22/01 18:04	S_G	539079
Bis(2-chloroethyl)ether	ND	330		1		01/22/01 18:04	S_G	539079
Bis(2-chloroisopropyl)ether	ND	330		1		01/22/01 18:04	S_G	539079
Bis(2-ethylhexyl)phthalate	ND	330		1		01/22/01 18:04	S_G	539079
Butyl benzyl phthalate	ND	330		1		01/22/01 18:04	S_G	539079
Carbazole	ND	330		1		01/22/01 18:04	S_G	539079
Chrysene	ND	330		1		01/22/01 18:04	S_G	539079

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-011 **Collected:** 1/18/01 9:30:00 **SPL Sample ID:** 01010499-01

Site: Ashtabula, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/22/01 18:04	S_G	539079
Di-n-octyl phthalate	ND		330	1		01/22/01 18:04	S_G	539079
Dibenz(a,h)anthracene	ND		330	1		01/22/01 18:04	S_G	539079
Dibenzofuran	ND		330	1		01/22/01 18:04	S_G	539079
Diethyl phthalate	ND		330	1		01/22/01 18:04	S_G	539079
Dimethyl phthalate	ND		330	1		01/22/01 18:04	S_G	539079
Fluoranthene	ND		330	1		01/22/01 18:04	S_G	539079
Fluorene	ND		330	1		01/22/01 18:04	S_G	539079
Hexachlorobenzene	ND		330	1		01/22/01 18:04	S_G	539079
Hexachlorobutadiene	ND		330	1		01/22/01 18:04	S_G	539079
Hexachlorocyclopentadiene	ND		330	1		01/22/01 18:04	S_G	539079
Hexachloroethane	ND		100	1		01/22/01 18:04	S_G	539079
Indeno(1,2,3-cd)pyrene	ND		330	1		01/22/01 18:04	S_G	539079
Isophorone	ND		330	1		01/22/01 18:04	S_G	539079
N-Nitrosodi-n-propylamine	ND		330	1		01/22/01 18:04	S_G	539079
N-Nitrosodiphenylamine	ND		330	1		01/22/01 18:04	S_G	539079
Naphthalene	ND		330	1		01/22/01 18:04	S_G	539079
Nitrobenzene	ND		330	1		01/22/01 18:04	S_G	539079
Pentachlorophenol	ND		3400	1		01/22/01 18:04	S_G	539079
Phenanthrene	ND		330	1		01/22/01 18:04	S_G	539079
Phenol	ND		330	1		01/22/01 18:04	S_G	539079
Pyrene	ND		330	1		01/22/01 18:04	S_G	539079
2-Methylphenol	ND		330	1		01/22/01 18:04	S_G	539079
3 & 4-Methylphenol	ND		330	1		01/22/01 18:04	S_G	539079
Surr: 2,4,6-Tribromophenol	116	%	19-122	1		01/22/01 18:04	S_G	539079
Surr: 2-Fluorobiphenyl	94.1	%	30-115	1		01/22/01 18:04	S_G	539079
Surr: 2-Fluorophenol	80.0	%	25-121	1		01/22/01 18:04	S_G	539079
Surr: Nitrobenzene-d5	82.4	%	23-120	1		01/22/01 18:04	S_G	539079
Surr: Phenol-d5	72.0	%	24-113	1		01/22/01 18:04	S_G	539079
Surr: Terphenyl-d14	118	%	18-137	1		01/22/01 18:04	S_G	539079

Prep Method	Prep Date	Prep Initials
SW3550B	01/22/2001 14:59	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-011 **Collected:** 1/18/01 9:30:00 **SPL Sample ID:** 01010499-01

Site: Ashtabula, OH

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		5		1		01/19/01 14:14	NL	537442
1,1,2,2-Tetrachloroethane	ND		5		1		01/19/01 14:14	NL	537442
1,1,2-Trichloroethane	ND		5		1		01/19/01 14:14	NL	537442
1,1-Dichloroethane	ND		5		1		01/19/01 14:14	NL	537442
1,1-Dichloroethene	ND		5		1		01/19/01 14:14	NL	537442
1,2-Dichloroethane	ND		5		1		01/19/01 14:14	NL	537442
1,2-Dichloropropane	ND		5		1		01/19/01 14:14	NL	537442
2-Butanone	ND		20		1		01/19/01 14:14	NL	537442
2-Hexanone	ND		10		1		01/19/01 14:14	NL	537442
4-Methyl-2-pentanone	ND		10		1		01/19/01 14:14	NL	537442
Acetone	ND		100		1		01/19/01 14:14	NL	537442
Benzene	ND		5		1		01/19/01 14:14	NL	537442
Bromodichloromethane	ND		5		1		01/19/01 14:14	NL	537442
Bromoform	ND		5		1		01/19/01 14:14	NL	537442
Bromomethane	ND		5		1		01/19/01 14:14	NL	537442
Carbon disulfide	ND		5		1		01/19/01 14:14	NL	537442
Carbon tetrachloride	ND		5		1		01/19/01 14:14	NL	537442
Chlorobenzene	ND		5		1		01/19/01 14:14	NL	537442
Chloroethane	ND		10		1		01/19/01 14:14	NL	537442
Chloroform	ND		5		1		01/19/01 14:14	NL	537442
Chloromethane	ND		10		1		01/19/01 14:14	NL	537442
dibromochloromethane	ND		5		1		01/19/01 14:14	NL	537442
Ethylbenzene	ND		5		1		01/19/01 14:14	NL	537442
Methylene chloride	ND		5		1		01/19/01 14:14	NL	537442
Styrene	ND		5		1		01/19/01 14:14	NL	537442
Tetrachloroethene	ND		5		1		01/19/01 14:14	NL	537442
Toluene	ND		5		1		01/19/01 14:14	NL	537442
trans-1,3-Dichloropropene	ND		5		1		01/19/01 14:14	NL	537442
Trichloroethene	7		5		1		01/19/01 14:14	NL	537442
Vinyl chloride	ND		10		1		01/19/01 14:14	NL	537442
cis-1,2-Dichloroethene	ND		5		1		01/19/01 14:14	NL	537442
cis-1,3-Dichloropropene	ND		5		1		01/19/01 14:14	NL	537442
trans-1,2-Dichloroethene	ND		5		1		01/19/01 14:14	NL	537442
Xylenes,Total	ND		5		1		01/19/01 14:14	NL	537442
Surr: 1,2-Dichloroethane-d4	104	%	70-120		1		01/19/01 14:14	NL	537442
Surr: 4-Bromofluorobenzene	96.0	%	74-130		1		01/19/01 14:14	NL	537442
Surr: Toluene-d8	96.0	%	80-140		1		01/19/01 14:14	NL	537442

Qualifiers:

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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-012 **Collected:** 1/18/01 10:00:00 **SPL Sample ID:** 01010499-02

Site: Ashtabula, OH

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg		
1,2,4-Trichlorobenzene	ND	330		1		01/23/01 12:08	S_G	539092
1,2-Dichlorobenzene	ND	50		1		01/23/01 12:08	S_G	539092
1,3-Dichlorobenzene	ND	50		1		01/23/01 12:08	S_G	539092
1,4-Dichlorobenzene	ND	50		1		01/23/01 12:08	S_G	539092
2,4,5-Trichlorophenol	ND	1700		1		01/23/01 12:08	S_G	539092
2,4,6-Trichlorophenol	ND	330		1		01/23/01 12:08	S_G	539092
2,4-Dichlorophenol	ND	330		1		01/23/01 12:08	S_G	539092
2,4-Dimethylphenol	ND	330		1		01/23/01 12:08	S_G	539092
2,4-Dinitrophenol	ND	1700		1		01/23/01 12:08	S_G	539092
2,4-Dinitrotoluene	ND	330		1		01/23/01 12:08	S_G	539092
2,6-Dinitrotoluene	ND	330		1		01/23/01 12:08	S_G	539092
2-Chloronaphthalene	ND	330		1		01/23/01 12:08	S_G	539092
2-Chlorophenol	ND	330		1		01/23/01 12:08	S_G	539092
2-Methylnaphthalene	ND	330		1		01/23/01 12:08	S_G	539092
2-Nitroaniline	ND	1700		1		01/23/01 12:08	S_G	539092
2-Nitrophenol	ND	1700		1		01/23/01 12:08	S_G	539092
3,3'-Dichlorobenzidine	ND	2000		1		01/23/01 12:08	S_G	539092
3-Nitroaniline	ND	1700		1		01/23/01 12:08	S_G	539092
4,6-Dinitro-2-methylphenol	ND	1700		1		01/23/01 12:08	S_G	539092
4-Bromophenyl phenyl ether	ND	330		1		01/23/01 12:08	S_G	539092
4-Chloro-3-methylphenol	ND	1300		1		01/23/01 12:08	S_G	539092
4-Chloroaniline	ND	330		1		01/23/01 12:08	S_G	539092
4-Chlorophenyl phenyl ether	ND	330		1		01/23/01 12:08	S_G	539092
4-Nitroaniline	ND	1700		1		01/23/01 12:08	S_G	539092
4-Nitrophenol	ND	800		1		01/23/01 12:08	S_G	539092
Acenaphthene	ND	330		1		01/23/01 12:08	S_G	539092
Acenaphthylene	ND	330		1		01/23/01 12:08	S_G	539092
Anthracene	ND	330		1		01/23/01 12:08	S_G	539092
Benz(a)anthracene	ND	330		1		01/23/01 12:08	S_G	539092
Benzo(a)pyrene	ND	330		1		01/23/01 12:08	S_G	539092
Benzo(b)fluoranthene	ND	330		1		01/23/01 12:08	S_G	539092
Benzo(g,h,i)perylene	ND	330		1		01/23/01 12:08	S_G	539092
Benzo(k)fluoranthene	ND	330		1		01/23/01 12:08	S_G	539092
Bis(2-chloroethoxy)methane	ND	330		1		01/23/01 12:08	S_G	539092
Bis(2-chloroethyl)ether	ND	330		1		01/23/01 12:08	S_G	539092
Bis(2-chloroisopropyl)ether	ND	330		1		01/23/01 12:08	S_G	539092
Bis(2-ethylhexyl)phthalate	ND	330		1		01/23/01 12:08	S_G	539092
Butyl benzyl phthalate	ND	330		1		01/23/01 12:08	S_G	539092
Carbazole	ND	330		1		01/23/01 12:08	S_G	539092
Chrysene	ND	330		1		01/23/01 12:08	S_G	539092

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-012 **Collected:** 1/18/01 10:00:00 **SPL Sample ID:** 01010499-02

Site: Ashtabula, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/23/01 12:08	S_G	539092
Di-n-octyl phthalate	ND		330	1		01/23/01 12:08	S_G	539092
Dibenz(a,h)anthracene	ND		330	1		01/23/01 12:08	S_G	539092
Dibenzofuran	ND		330	1		01/23/01 12:08	S_G	539092
Diethyl phthalate	ND		330	1		01/23/01 12:08	S_G	539092
Dimethyl phthalate	ND		330	1		01/23/01 12:08	S_G	539092
Fluoranthene	ND		330	1		01/23/01 12:08	S_G	539092
Fluorene	ND		330	1		01/23/01 12:08	S_G	539092
Hexachlorobenzene	ND		330	1		01/23/01 12:08	S_G	539092
Hexachlorobutadiene	ND		330	1		01/23/01 12:08	S_G	539092
Hexachlorocyclopentadiene	ND		330	1		01/23/01 12:08	S_G	539092
Hexachloroethane	ND		100	1		01/23/01 12:08	S_G	539092
Indeno(1,2,3-cd)pyrene	ND		330	1		01/23/01 12:08	S_G	539092
Isophorone	ND		330	1		01/23/01 12:08	S_G	539092
N-Nitrosodi-n-propylamine	ND		330	1		01/23/01 12:08	S_G	539092
N-Nitrosodiphenylamine	ND		330	1		01/23/01 12:08	S_G	539092
Naphthalene	ND		330	1		01/23/01 12:08	S_G	539092
Nitrobenzene	ND		330	1		01/23/01 12:08	S_G	539092
Pentachlorophenol	ND		3400	1		01/23/01 12:08	S_G	539092
Phenanthrene	ND		330	1		01/23/01 12:08	S_G	539092
Phenol	ND		330	1		01/23/01 12:08	S_G	539092
Pyrene	ND		330	1		01/23/01 12:08	S_G	539092
2-Methylphenol	ND		330	1		01/23/01 12:08	S_G	539092
3 & 4-Methylphenol	ND		330	1		01/23/01 12:08	S_G	539092
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		01/23/01 12:08	S_G	539092
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		01/23/01 12:08	S_G	539092
Surr: 2-Fluorophenol	76.0	%	25-121	1		01/23/01 12:08	S_G	539092
Surr: Nitrobenzene-d5	70.6	%	23-120	1		01/23/01 12:08	S_G	539092
Surr: Phenol-d5	72.0	%	24-113	1		01/23/01 12:08	S_G	539092
Surr: Terphenyl-d14	88.2	%	18-137	1		01/23/01 12:08	S_G	539092

Prep Method	Prep Date	Prep Initials
SW3550B	01/22/2001 14:59	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-012 **Collected:** 1/18/01 10:00:00 **SPL Sample ID:** 01010499-02

Site: Ashtabula, OH

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B		Units: ug/Kg		
1,1,1-Trichloroethane	ND		25		5		01/19/01 15:13	NL	537444
1,1,2,2-Tetrachloroethane	940		25		5		01/19/01 15:13	NL	537444
1,1,2-Trichloroethane	28		25		5		01/19/01 15:13	NL	537444
1,1-Dichloroethane	ND		25		5		01/19/01 15:13	NL	537444
1,1-Dichloroethene	35		25		5		01/19/01 15:13	NL	537444
1,2-Dichloroethane	ND		25		5		01/19/01 15:13	NL	537444
1,2-Dichloropropane	ND		25		5		01/19/01 15:13	NL	537444
2-Butanone	ND		100		5		01/19/01 15:13	NL	537444
2-Hexanone	ND		50		5		01/19/01 15:13	NL	537444
4-Methyl-2-pentanone	ND		50		5		01/19/01 15:13	NL	537444
Acetone	ND		500		5		01/19/01 15:13	NL	537444
Benzene	ND		25		5		01/19/01 15:13	NL	537444
Bromodichloromethane	ND		25		5		01/19/01 15:13	NL	537444
Bromoform	ND		25		5		01/19/01 15:13	NL	537444
Bromomethane	ND		25		5		01/19/01 15:13	NL	537444
Carbon disulfide	ND		25		5		01/19/01 15:13	NL	537444
Carbon tetrachloride	ND		25		5		01/19/01 15:13	NL	537444
Chlorobenzene	78		25		5		01/19/01 15:13	NL	537444
Chloroethane	ND		50		5		01/19/01 15:13	NL	537444
Chloroform	ND		25		5		01/19/01 15:13	NL	537444
Chloromethane	ND		50		5		01/19/01 15:13	NL	537444
dibromochloromethane	ND		25		5		01/19/01 15:13	NL	537444
Ethylbenzene	ND		25		5		01/19/01 15:13	NL	537444
Methylene chloride	ND		25		5		01/19/01 15:13	NL	537444
Styrene	ND		25		5		01/19/01 15:13	NL	537444
Tetrachloroethene	43000		2500		2500		01/23/01 23:05	TP	540430
Toluene	ND		25		5		01/19/01 15:13	NL	537444
trans-1,3-Dichloropropene	ND		25		5		01/19/01 15:13	NL	537444
Trichloroethene	120000		2500		2500		01/23/01 23:05	TP	540430
Vinyl chloride	ND		50		5		01/19/01 15:13	NL	537444
cis-1,2-Dichloroethene	590		25		5		01/19/01 15:13	NL	537444
cis-1,3-Dichloropropene	ND		25		5		01/19/01 15:13	NL	537444
trans-1,2-Dichloroethene	190		25		5		01/19/01 15:13	NL	537444
Xylenes,Total	ND		25		5		01/19/01 15:13	NL	537444
Surr: 1,2-Dichloroethane-d4	96.0	%	70-120		2500		01/23/01 23:05	TP	540430
Surr: 1,2-Dichloroethane-d4	96.0	%	70-120		5		01/19/01 15:13	NL	537444
Surr: 4-Bromofluorobenzene	100	%	74-130		5		01/19/01 15:13	NL	537444
Surr: 4-Bromofluorobenzene	88.0	%	74-130		2500		01/23/01 23:05	TP	540430
Surr: Toluene-d8	96.0	%	80-140		2500		01/23/01 23:05	TP	540430
Surr: Toluene-d8	96.0	%	80-140		5		01/19/01 15:13	NL	537444

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-013 Collected: 1/18/01 12:15:00 SPL Sample ID: 01010499-03

Site: Ashtabula, OH

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg**		
1,2,4-Trichlorobenzene	ND	330		1		01/22/01 20:12	S_G	539082
1,2-Dichlorobenzene	ND	50		1		01/22/01 20:12	S_G	539082
1,3-Dichlorobenzene	ND	50		1		01/22/01 20:12	S_G	539082
1,4-Dichlorobenzene	ND	50		1		01/22/01 20:12	S_G	539082
2,4,5-Trichlorophenol	ND	1700		1		01/22/01 20:12	S_G	539082
2,4,6-Trichlorophenol	ND	330		1		01/22/01 20:12	S_G	539082
2,4-Dichlorophenol	ND	330		1		01/22/01 20:12	S_G	539082
2,4-Dimethylphenol	ND	330		1		01/22/01 20:12	S_G	539082
2,4-Dinitrophenol	ND	1700		1		01/22/01 20:12	S_G	539082
2,4-Dinitrotoluene	ND	330		1		01/22/01 20:12	S_G	539082
2,6-Dinitrotoluene	ND	330		1		01/22/01 20:12	S_G	539082
2-Chloronaphthalene	ND	330		1		01/22/01 20:12	S_G	539082
2-Chlorophenol	ND	330		1		01/22/01 20:12	S_G	539082
2-Methylnaphthalene	ND	330		1		01/22/01 20:12	S_G	539082
2-Nitroaniline	ND	1700		1		01/22/01 20:12	S_G	539082
2-Nitrophenol	ND	1700		1		01/22/01 20:12	S_G	539082
3,3'-Dichlorobenzidine	ND	2000		1		01/22/01 20:12	S_G	539082
3-Nitroaniline	ND	1700		1		01/22/01 20:12	S_G	539082
4,6-Dinitro-2-methylphenol	ND	1700		1		01/22/01 20:12	S_G	539082
4-Bromophenyl phenyl ether	ND	330		1		01/22/01 20:12	S_G	539082
4-Chloro-3-methylphenol	ND	1300		1		01/22/01 20:12	S_G	539082
4-Chloroaniline	ND	330		1		01/22/01 20:12	S_G	539082
4-Chlorophenyl phenyl ether	ND	330		1		01/22/01 20:12	S_G	539082
4-Nitroaniline	ND	1700		1		01/22/01 20:12	S_G	539082
4-Nitrophenol	ND	800		1		01/22/01 20:12	S_G	539082
Acenaphthene	ND	330		1		01/22/01 20:12	S_G	539082
Acenaphthylene	ND	330		1		01/22/01 20:12	S_G	539082
Anthracene	ND	330		1		01/22/01 20:12	S_G	539082
Benz(a)anthracene	ND	330		1		01/22/01 20:12	S_G	539082
Benzo(a)pyrene	ND	330		1		01/22/01 20:12	S_G	539082
Benzo(b)fluoranthene	ND	330		1		01/22/01 20:12	S_G	539082
Benzo(g,h,i)perylene	ND	330		1		01/22/01 20:12	S_G	539082
Benzo(k)fluoranthene	ND	330		1		01/22/01 20:12	S_G	539082
Bis(2-chloroethoxy)methane	ND	330		1		01/22/01 20:12	S_G	539082
Bis(2-chloroethyl)ether	ND	330		1		01/22/01 20:12	S_G	539082
Bis(2-chloroisopropyl)ether	ND	330		1		01/22/01 20:12	S_G	539082
Bis(2-ethylhexyl)phthalate	ND	330		1		01/22/01 20:12	S_G	539082
Butyl benzyl phthalate	ND	330		1		01/22/01 20:12	S_G	539082
Carbazole	ND	330		1		01/22/01 20:12	S_G	539082
Chrysene	ND	330		1		01/22/01 20:12	S_G	539082

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-013 **Collected:** 1/18/01 12:15:00 **SPL Sample ID:** 01010499-03

Site: Ashtabula, OH

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		330	1		01/22/01 20:12	S_G	539082
Di-n-octyl phthalate	ND		330	1		01/22/01 20:12	S_G	539082
Dibenz(a,h)anthracene	ND		330	1		01/22/01 20:12	S_G	539082
Dibenzofuran	ND		330	1		01/22/01 20:12	S_G	539082
Diethyl phthalate	ND		330	1		01/22/01 20:12	S_G	539082
Dimethyl phthalate	ND		330	1		01/22/01 20:12	S_G	539082
Fluoranthene	ND		330	1		01/22/01 20:12	S_G	539082
Fluorene	ND		330	1		01/22/01 20:12	S_G	539082
Hexachlorobenzene	3000		1600	5		01/23/01 12:39	S_G	539093
Hexachlorobutadiene	5900		1600	5		01/23/01 12:39	S_G	539093
Hexachlorocyclopentadiene	ND		330	1		01/22/01 20:12	S_G	539082
Hexachloroethane	6600		500	5		01/23/01 12:39	S_G	539093
Indeno(1,2,3-cd)pyrene	ND		330	1		01/22/01 20:12	S_G	539082
Isophorone	ND		330	1		01/22/01 20:12	S_G	539082
N-Nitrosodi-n-propylamine	ND		330	1		01/22/01 20:12	S_G	539082
N-Nitrosodiphenylamine	ND		330	1		01/22/01 20:12	S_G	539082
Naphthalene	ND		330	1		01/22/01 20:12	S_G	539082
Nitrobenzene	ND		330	1		01/22/01 20:12	S_G	539082
Pentachlorophenol	ND		3400	1		01/22/01 20:12	S_G	539082
Phenanthrene	ND		330	1		01/22/01 20:12	S_G	539082
Phenol	ND		330	1		01/22/01 20:12	S_G	539082
Pyrene	ND		330	1		01/22/01 20:12	S_G	539082
2-Methylphenol	ND		330	1		01/22/01 20:12	S_G	539082
3 & 4-Methylphenol	ND		330	1		01/22/01 20:12	S_G	539082
Surr: 2,4,6-Tribromophenol	108	%	19-122	1		01/22/01 20:12	S_G	539082
Surr: 2,4,6-Tribromophenol	92.0	%	19-122	5		01/23/01 12:39	S_G	539093
Surr: 2-Fluorobiphenyl	88.2	%	30-115	5		01/23/01 12:39	S_G	539093
Surr: 2-Fluorobiphenyl	88.2	%	30-115	1		01/22/01 20:12	S_G	539082
Surr: 2-Fluorophenol	80.0	%	25-121	1		01/22/01 20:12	S_G	539082
Surr: 2-Fluorophenol	88.0	%	25-121	5		01/23/01 12:39	S_G	539093
Surr: Nitrobenzene-d5	94.1	%	23-120	1		01/22/01 20:12	S_G	539082
Surr: Nitrobenzene-d5	82.4	%	23-120	5		01/23/01 12:39	S_G	539093
Surr: Phenol-d5	76.0	%	24-113	1		01/22/01 20:12	S_G	539082
Surr: Phenol-d5	80.0	%	24-113	5		01/23/01 12:39	S_G	539093
Surr: Terphenyl-d14	112	%	18-137	1		01/22/01 20:12	S_G	539082
Surr: Terphenyl-d14	94.1	%	18-137	5		01/23/01 12:39	S_G	539093

Prep Method	Prep Date	Prep Initials
SW3550B	01/22/2001 14:59	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-180101-DRD-013 **Collected:** 1/18/01 12:15:00 **SPL Sample ID:** 01010499-03

Site: Ashtabula, OH

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg**		
1,1,1-Trichloroethane	ND		5		1		01/19/01 14:42	NL	537443
1,1,2,2-Tetrachloroethane	ND		5		1		01/19/01 14:42	NL	537443
1,1,2-Trichloroethane	ND		5		1		01/19/01 14:42	NL	537443
1,1-Dichloroethane	ND		5		1		01/19/01 14:42	NL	537443
1,1-Dichloroethene	ND		5		1		01/19/01 14:42	NL	537443
1,2-Dichloroethane	ND		5		1		01/19/01 14:42	NL	537443
1,2-Dichloropropane	ND		5		1		01/19/01 14:42	NL	537443
2-Butanone	ND		20		1		01/19/01 14:42	NL	537443
2-Hexanone	ND		10		1		01/19/01 14:42	NL	537443
4-Methyl-2-pentanone	ND		10		1		01/19/01 14:42	NL	537443
Acetone	ND		100		1		01/19/01 14:42	NL	537443
Benzene	ND		5		1		01/19/01 14:42	NL	537443
Bromodichloromethane	ND		5		1		01/19/01 14:42	NL	537443
Bromoform	ND		5		1		01/19/01 14:42	NL	537443
Bromomethane	ND		5		1		01/19/01 14:42	NL	537443
Carbon disulfide	ND		5		1		01/19/01 14:42	NL	537443
Carbon tetrachloride	ND		5		1		01/19/01 14:42	NL	537443
Chlorobenzene	ND		5		1		01/19/01 14:42	NL	537443
Chloroethane	ND		10		1		01/19/01 14:42	NL	537443
Chloroform	ND		5		1		01/19/01 14:42	NL	537443
Chloromethane	ND		10		1		01/19/01 14:42	NL	537443
dibromochloromethane	ND		5		1		01/19/01 14:42	NL	537443
Ethylbenzene	ND		5		1		01/19/01 14:42	NL	537443
Methylene chloride	ND		5		1		01/19/01 14:42	NL	537443
Styrene	ND		5		1		01/19/01 14:42	NL	537443
Tetrachloroethene	21		5		1		01/19/01 14:42	NL	537443
Toluene	ND		5		1		01/19/01 14:42	NL	537443
trans-1,3-Dichloropropene	ND		5		1		01/19/01 14:42	NL	537443
Trichloroethene	11		5		1		01/19/01 14:42	NL	537443
Vinyl chloride	ND		10		1		01/19/01 14:42	NL	537443
cis-1,2-Dichloroethene	ND		5		1		01/19/01 14:42	NL	537443
cis-1,3-Dichloropropene	ND		5		1		01/19/01 14:42	NL	537443
trans-1,2-Dichloroethene	ND		5		1		01/19/01 14:42	NL	537443
Xylenes,Total	ND		5		1		01/19/01 14:42	NL	537443
Surr: 1,2-Dichloroethane-d4	106	%	70-120		1		01/19/01 14:42	NL	537443
Surr: 4-Bromofluorobenzene	92.0	%	74-130		1		01/19/01 14:42	NL	537443
Surr: Toluene-d8	94.0	%	80-140		1		01/19/01 14:42	NL	537443

Qualifiers:

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Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook Site

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C
WorkOrder: 01010499
Lab Batch ID: 9763

Method Blank

RunID: H_010122A-539077 Units: ug/Kg
Analysis Date: 01/22/2001 16:28 Analyst: S_G
Preparation Date: 01/22/2001 14:59 Prep By: J_L Method SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010499-01B	S-11676-180101-DRD-011
01010499-02B	S-11676-180101-DRD-012
01010499-03B	S-11676-180101-DRD-013

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook Site

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010499
Method: SW8270C **Lab Batch ID:** 9763

Method Blank

RunID: H_010122A-539077 Units: ug/Kg
Analysis Date: 01/22/2001 16:28 Analyst: S_G
Preparation Date: 01/22/2001 14:59 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	112.0	19-122
Surr: 2-Fluorobiphenyl	100.0	30-115
Surr: 2-Fluorophenol	96.0	25-121
Surr: Nitrobenzene-d5	88.2	23-120
Surr: Phenol-d5	80.0	24-113
Surr: Terphenyl-d14	129.4	18-137

Laboratory Control Sample (LCS)

RunID: H_010122A-539078 Units: ug/Kg
Analysis Date: 01/22/2001 17:33 Analyst: S_G
Preparation Date: 01/22/2001 14:59 Prep By: J_L Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1600	94	39	110
1,4-Dichlorobenzene	1700	1400	82	36	110
2,4-Dinitrotoluene	1700	1500	88	50	150
2-Chlorophenol	2500	2100	84	27	123
4-Chloro-3-methylphenol	2500	2300	92	23	110
4-Nitrophenol	2500	2300	92	25	150
Acenaphthene	1700	1400	82	46	125
N-Nitrosodi-n-propylamine	1700	1300	76	41	116
Pentachlorophenol	2500	2400	96	9	125
Phenol	2500	1700	68	12	110
Pyrene	1700	2000	118	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit; MI - Matrix Interference
B - Analyte detected in the associated Method Blank; D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL; * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
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HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook Site

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010499
Method: SW8270C **Lab Batch ID:** 9763

Sample Spiked: 01010499-01
RunID: H_010122A-539080 Units: ug/Kg
Analysis Date: 01/22/2001 18:36 Analyst: S_G
Preparation Date: 01/22/2001 14:59 Prep By: J_L Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1700	1300	76	1700	1400	82	7	28	39	110
1,4-Dichlorobenzene	ND	1700	1300	76	1700	1300	76	0	28	36	110
2,4-Dinitrotoluene	ND	1700	1300	76	1700	1400	82	7	50	50	150
2-Chlorophenol	ND	2500	1900	76	2500	1900	76	0	40	27	123
4-Chloro-3-methylphenol	ND	2500	2100	84	2500	2200	88	5	42	23	110
4-Nitrophenol	ND	2500	2200	88	2500	2300	92	4	50	25	150
Acenaphthene	ND	1700	1300	76	1700	1500	88	14	31	46	125
N-Nitrosodi-n-propylamine	ND	1700	1300	76	1700	1200	71	8	38	41	116
Pentachlorophenol	ND	2500	2200	88	2500	2200	88	0	50	9	125
Phenol	ND	2500	1500	60	2500	1700	68	13	42	12	110
Pyrene	ND	1700	1800	106	1700	1800	106	0	31	26	127

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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HOUSTON, TEXAS 77054
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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook Site

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 01010499
Lab Batch ID: R28091

Method Blank

RunID: N_010119A-537437 Units: ug/Kg
Analysis Date: 01/19/2001 11:39 Analyst: NL

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010499-01A	S-11676-180101-DRD-011
01010499-02A	S-11676-180101-DRD-012
01010499-03A	S-11676-180101-DRD-013

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
2-Butanone	ND	20
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Acetone	ND	100
Benzene	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	5.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	10
Chloroform	ND	5.0
Chloromethane	ND	10
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Methylene chloride	ND	5.0
Styrene	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Vinyl chloride	ND	10
cis-1,2-Dichloroethene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Xylenes, Total	ND	5.0
Surr: 1,2-Dichloroethane-d4	90.0	70-120
Surr: 4-Bromofluorobenzene	96.0	74-130
Surr: Toluene-d8	96.0	80-140

Laboratory Control Sample (LCS)

RunID: N_010119A-537436 Units: ug/Kg
Analysis Date: 01/19/2001 11:10 Analyst: NL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	58	116	59	172

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook Site

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010499
Method: SW8260B **Lab Batch ID:** R28091

Laboratory Control Sample (LCS)

RunID: N_010119A-537436 Units: ug/Kg
Analysis Date: 01/19/2001 11:10 Analyst: NL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	59	118	66	142
Chlorobenzene	50	59	118	60	133
Toluene	50	57	114	59	139
Trichloroethene	50	59	118	62	137

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010485-03
RunID: N_010119A-537440 Units: ug/Kg
Analysis Date: 01/19/2001 13:14 Analyst: NL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	Hig. Limit
1,1-Dichloroethene	ND	50	47	94	50	46	92	2	22	59	172
Benzene	ND	50	48	96	50	46	92	4	21	66	142
Chlorobenzene	ND	50	46	92	50	41	82	11	21	60	133
Toluene	ND	50	46	92	50	44	88	4	21	59	139
Trichloroethene	ND	50	48	96	50	47	94	2	24	62	137

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, Fields Brook Site

Analysis: **Volatile Organics by Method 8260B** **WorkOrder:** **01010499**
Method: **SW8260B** **Lab Batch ID:** **R28255**

Method Blank

RunID: K_010123B-540426 Units: ug/Kg
Analysis Date: 01/23/2001 15:06 Analyst: TP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010499-02A	S-11676-180101-DRD-012

Analyte	Result	Rep Limit
Tetrachloroethene	ND	1.0
Trichloroethene	ND	1.0
Surr: 1,2-Dichloroethane-d4	99.2	70-120
Surr: 4-Bromofluorobenzene	91.2	74-130
Surr: Toluene-d8	97.6	80-140

Laboratory Control Sample (LCS)

RunID: K_010123B-540425 Units: ug/L
Analysis Date: 01/23/2001 14:38 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	54	108	61	145
Benzene	50	42	84	76	127
Chlorobenzene	50	46	92	75	130
Toluene	50	43	86	76	125
Trichloroethene	50	46	92	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010534-01
RunID: K_010123B-540433 Units: ug/Kg
Analysis Date: 01/24/2001 0:23 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	6250	5900	94	6250	5800	93	2	22	59	172
Benzene	120000	6250	120000	0 *	6250	120000	0 *	0	21	66	142
Chlorobenzene	ND	6250	6600	106	6250	4700	75	34 *	21	60	133
Toluene	500000	6250	460000	-640 *	6250	480000	-320 *	67 *	21	59	139
Trichloroethene	ND	6250	5500	88	6250	5600	90	2	24	62	137

fiers
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Work order:	01010499	Received by:	Stelly, D'Anna
Date and Time Received:	1/19/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	2		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	Not Present ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: D1D10499

772

page 1 of 1

Client Name: Conestoga Rovers & Associates

Address/Phone: 1-734-942-0909

Client Contact: Paul Wiseman

Project Name: Fields Brook Site

Project Number: 11676-10

Project Location: Ashtabula, Ohio

Invoice To:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=other:)	bottle (P=plastic A=amber glass G=glass V=vial)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other:)	Number of Containers	Requested Analysis: TCL SVOC	TCL VOC	Bulk
S-11676-180101-DRD-011	Jan 18/01	9:30		X	S	G	encore 4	1	5	✓	✓	✓
S-11676-180101-DRD-06	Jan 18/01	10:00		X	S	G	encore 4	-	5	✓	✓	✓
S-11676-180101-DRD-013	Jan 18/01	12:15		X	S	G	encore 4	-	5	✓	✓	✓

RUSH

Client/Consultant Remarks:

Laboratory remarks: encore

Intact? ☐ Y ☐ N

Temp: 2

Requested TAT

24hr ☐ 72hr ☐

48hr ☐ Standard ☒

Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial): JS

	date	time	
1. Relinquished by Sampler: Dan Deitsch	Jan 18/01	13:30	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory: Donna Mell 1/19/01 1000

☒ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

☐ 459-Hughes Drive, Traverse City, MI 49684 (616) 947-5777

CONESTOGA-ROVERS & ASSOCIATES

11100 Metro Airport Center Drive, Suite #160
Romulus, Michigan 48174
Telephone: (734) 942-0909 Fax: (734) 942-1858
www.CRAworld.com

TRANSMITTAL

DATE: February 20, 2001

REFERENCE NO.: 11676-10

PROJECT NAME: Fields Brook

TO: Jeff Daniel
Colby

Rec'd CRA
FEB 21 2001

Please find enclosed:
- ☐ Draft
- ☒ Originals
- ☐ Prints
- ☐ Final
- ☐ Other

Sent via:
- ☐ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☒ Other Interoffice mail

QUANTITY	DESCRIPTION
1	Data Compliance Assessment memo
8	Analytical data reports

- ☐ As Requested
- ☒ For Your Use
- ☐ For Review and Comment
- ☐
- ☐

COMMENTS:

Copy to:

Completed by: Kathy Hasenfratz [Please Print]

Signed:

Filing: Correspondence File

REGISTERED COMPANY FOR ISO 9001 ENGINEERING DESIGN

CONESTOGA-ROVERS
& ASSOCIATES

11100 Metro Airport Center Drive, Suite #160
Romulus, Michigan 48174
Telephone: (734) 942-0909 Fax: (734) 942-185
www.CRAworld.com

MEMORANDUM

TO:	Jeff Daniel	REF. NO.:	11676-10
FROM:	Kathy Hasenfratz/mw/7/Det.	DATE:	February 20, 2001
RE:	**Final Analytical Report Compliance Assessment** **Fields Brook** **Ashtabula, Ohio**		

The attached final laboratory analytical reports (reports) from Southern Petroleum Laboratories in Houston, Texas (SPL) includes analytical data resulting from the January 16, 2001 through February 3, 2001, collection of 73 soil samples from the Fields Brook Site in Ashtabula, Ohio. This transmittal memorandum presents an assessment of SPL's report compliance with the project requirements and specifications as identified in the Letter Agreement or Work Order, quality assurance project plan (QAPP) if applicable and chain-of-custody (COC) record included with each report. This memorandum is not intended to provide an assessment of the data quality or validity.

The reports were found to be compliant with the project requirements as detailed on the attached Laboratory Compliance Assessment Form. A detailed quality assessment and validation of the analytical data would be required to determine if the data has acceptable levels of accuracy and precision. This repo will receive a detailed data quality assessment and validation review unless notified otherwise.

The attached reports are the original final laboratory analytical reports and are provided for your office project files.

REGISTERED COMPANY
ISO 9001
ENGINEERING DESIGN

CONESTOGA-ROVERS & ASSOCIATES

11100 Metro Airport Center Drive, Suite #160
Romulus, Michigan 48174
Telephone: (734) 942-0909 Fax: (734) 942-1858
www.CRAworld.com

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

To (CRA PM): Jeff Daniel REF. NO.: 11676-10

From (Reviewer): Kathy Hasenfratz DATE:

RE: Final Analytical Report Compliance Assessment #7

Project Name: Fields Brook

Location: Ashtabula, Ohio

This laboratory report compliance assessment form presents an assessment of the report's compliance with the project requirements and specifications as identified in the Letter Agreement or Work Order, quality assurance project plan (QAPP) if applicable and chain-of-custody (COC) record. This memorandum is not intended to provide an assessment of the data quality or validity.

1. **Sampling Summary**

Laboratory: SPL Houston, TX Assessment based on: ☐ LA, ☒ WO, and/or ☐ QAPP

Sampling Event (if known): DNAPL

CRA SDG ID:	Lab Report #:	Sample Date(s):	Sample Quantity:	Sample Matrix:	Date Shipped:	Date Received:
2	01010416	1/16/01	4	Soil	1/16	1/17/01
3	01010405	1/17	6	soil	1/17	1/18
4	01010499	1/18	3	Soil	1/18	1/19
6	01010849	1/30	3	Soil	1/30	1/31
7	01020052	1/30 2/1	10	Soil	2/1	2/2
8	01020104	2/2	12	Soil	2/2	2/5
9	01020004	2/2 1/30	6	Soil	1/30	1/31
10	01020169	2/3	29	Soil	2/3	2/5

2. **Report Data Review**

This or these report(s) ☒ *will or* ☐ *will not receive a detailed quality assessment and validation review* unless notified otherwise.

The attached final laboratory report(s) was or were found to be ☒ compliant or ☐ noncompliant with the project requirements (see SDG # _____, Section # _____ attached).

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 2 Lab Report #: 0101046 Project #: 11676-1

3. Sample Receipt

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. Laboratory Reporting	**Yes**	**No**	**Comments**
Sample IDs consistent with COC:	☑	☐	
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☑	☐	

Additional Notes: _____

5. Laboratory Performance	**Yes**	**No**	**Comments**
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☑	☐	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☑	☐	

Additional notes: _____

6. Report Deliverables

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☑ EDD

Deliverables Provided: 1/31/01 Acceptable: ☑ Yes ☐ No No. of Copies: 2

Report Comments: _____

Additional comments and notes: _____

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 3 Lab Report #: 01010465 Project #: 11676-10

2. **Sample Receipt**

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. **Laboratory Reporting**

	Yes	No	Comments
Sample IDs consistent with COC:	☑	☐	
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☑	☐	

Additional Notes: _____

5. **Laboratory Performance**

	Yes	No	Comments
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☑	☐	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☑	☐	

Additional notes: _____

6. **Report Deliverables**

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☑ EDD

Deliverables Provided: 1/31/01 Acceptable: ☐ Yes ☐ No No. of Copies: _____

Report Comments: _____

Additional comments and notes: _____

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 4 Lab Report #: 01010499 Project #: 011676

3. **Sample Receipt**

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. Laboratory Reporting	Yes	No	Comments
Sample IDs consistent with COC:	☑	☐	
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☐	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☑	☐	

Additional Notes: _____

5. Laboratory Performance	Yes	No	Comments
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☑	☐	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☑	☐	

Additional notes: _____

6. **Report Deliverables**

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☑ EDD

Deliverables Provided: 2/6/01 Acceptable: ☑ Yes ☐ No No. of Copies: 2

Report Comments: _____

Additional comments and notes: _____

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 6 Lab Report #: 6101849 Project #: 11676-10

3. **Sample Receipt**

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. **Laboratory Reporting**	Yes	No	Comments
Sample IDs consistent with COC:	☑	☐	
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☑	☐	

Additional Notes: _____

5. **Laboratory Performance**	Yes	No	Comments
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☑	☐	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☐	☑	

Additional notes: _____

6. **Report Deliverables**

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☑ EDD

Deliverables Provided: 2/14/01 Acceptable: ☑ Yes ☐ No No. of Copies: 2

Report Comments: _____

Additional comments and notes: _____

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 7 Lab Report #: 0102005 2 Project #: 11676-1

3. Sample Receipt

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. Laboratory Reporting	**Yes**	**No**	**Comments**
Sample IDs consistent with COC:	☑	☐	
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☒	#12 prelim missing 1122 TCA,
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☐	☑	see above

Additional Notes: TCE, PCE - in final

5. Laboratory Performance	**Yes**	**No**	**Comments**
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☐	☑	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☐	☑	

Additional notes: _____

6. Report Deliverables

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☑ EDD

Deliverables Provided: 2/16/01 Acceptable: ☑ Yes ☐ No No. of Copies: 2

Report Comments: _____

Additional comments and notes: _____

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 8 Lab Report #: 0102, 0104 Project #: 11676-CO

3. **Sample Receipt**

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. **Laboratory Reporting**	Yes	No	Comments
Sample IDs consistent with COC:	☑	☐	
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☑	☐	

Additional Notes: _____

5. **Laboratory Performance**	Yes	No	Comments
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☐	☑	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☐	☑	

Additional notes: _____

6. **Report Deliverables**

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☑ EDD

Deliverables Provided: 2/16/01 Acceptable: ☑ Yes ☐ No No. of Copies: 2

Report Comments: _____

Additional comments and notes: _____

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 9 Lab Report #: 010004 Project #: 11676

3. Sample Receipt

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: Sample 04 added to COC

4. Laboratory Reporting	**Yes**	**No**	**Comments**
Sample IDs consistent with COC:	☑	☐	
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☐	☐	yes SVOC, no prelim VOC

Additional Notes: partial data - SVOC only

5. Laboratory Performance	**Yes**	**No**	**Comments**
Sample holding times met:	☐	☐	yes SVOC, VOC no prep date
Requested turnaround time(s) (TAT) met:	☐	☑	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☐	☑	

Additional notes: _____

6. Report Deliverables

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☑ EDD

Deliverables Provided: 2/14/01 Acceptable: ☑ Yes ☐ No No. of Copies: 2

Report Comments: _____

Additional comments and notes: _____

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 10 Lab Report #: 01020169 Project #: 11676-10

3. **Sample Receipt**

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. Laboratory Reporting	Yes	No	Comments
Sample IDs consistent with COC:	☑	☐	
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☑	☐	

Additional Notes: _____

5. Laboratory Performance	Yes	No	Comments
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☐	☑	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☑	☐	

Additional notes: _____

6. **Report Deliverables**

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☑ EDD

Deliverables Provided: 2/14/01 Acceptable: ☑ Yes ☐ No No. of Copies: 2

Report Comments: _____

Additional comments and notes: _____

CONESTOGA-ROVERS & ASSOCIATES

11100 Metro Airport Center Drive, Suite #160
Romulus, Michigan 48174
Telephone: (734) 942-0909 Fax: (734) 942-1858
www.CRAworld.com

MEMORANDUM

TO:	Jeff Daniel	REF. NO.:	11676-10
FROM:	Mary Cameron/mw/9/Det.	DATE:	March 5, 2001
RE:	Data Quality Assessment and Validation Fields Brook Superfund Site Ashtabula, Ohio		

The following details a quality assessment and validation of the analytical data resulting from the January and February 2001, collection of 56 soil and six (6) quality control sample from the Fields Brook Superfund Site in Ashtabula, Ohio. The sample summary detailing sample identification, sample location, quality control sample, and analytical parameters is presented in Table 1. Sample analysis was completed at Southern Petroleum Laboratories in Houston, Texas (SPL) and American Testing Company, Inc. in Bedford Heights, Ohio (ATC) in accordance the methodologies presented in Table 2. The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP).[1]

Holding Time Period and Sample Analysis

The holding time periods are presented in Table 3. The samples, as indicated by the sample collection, extraction and analysis dates on the chain-of-custody forms and analytical reports provided by SPL and ACT, were prepared and analyzed within the required holding time periods.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free from detectable concentrations of target analytes, indicating no laboratory-attributable contamination occurred.

Laboratory Control Sample Analysis

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis. The samples that should be qualified due to violation of LCS percent recovery criteria are summarized in Table 4. The remaining LCS percent recoveries were within the laboratory control limits, indicating that an acceptable level of overall performance was achieved.

[1] Application of quality assurance criteria was consistent with "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-94/012, February 1994

REGISTERED COMPANY ISO 9001 ENGINEERING DESIGN

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for the organic analyses was monitored by assessing the results of surrogate compound percent recoveries. The surrogate recovery acceptance criteria was met for all samples.

Matrix Spike/Matrix Spike Duplicate Percent Recoveries

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. Table 5 presents the samples that should be qualified due to outlying MS/MSD percent recovery results. The MS/MSD percent recoveries and associated RPDs acceptance criteria were met for the remaining analyses.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of four (4) field duplicate sample sets. Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set. Table 6 summarizes the results of the detected analytes in the field duplicate sample sets. The data indicate that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE SUMMARY
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Sample Identification	*Sample Location*	*Sample Depth (ft. bgs)*	*Matrix*	*QC Samples*	*Parameters*
S-11676-013001-DG01	GP1-01	8 - 10	Soil	—	TCL VOC, TCL SVOC
S-11676-013001-DG02	GP2-01	6 - 7.5	Soil	—	TCL VOC, TCL SVOC
S-11676-013001-DG03	GP3-01	7 - 7.5	Soil	—	TCL VOC, TCL SVOC
S-11676-013101-DG04	GP4-01	6.5 - 7	Soil	—	TCL VOC, TCL SVOC
S-11676-013101-DG05	GP5-01	5 - 6	Soil	—	TCL VOC, TCL SVOC
S-11676-013101-DG06	GP6-01	6 - 6.5	Soil	—	TCL VOC, TCL SVOC
S-11676-013101-DG07	GP7-01	4 - 5	Soil	—	TCL VOC, TCL SVOC
S-11676-013101-DG08	GP8-01	8 - 10	Soil	—	TCL VOC, TCL SVOC
S-11676-013101-DG09	GP9-01	3 - 5	Soil	—	TCL VOC, TCL SVOC
S-11676-020101-DG10	GP10-01	15 - 17	Soil	—	TCL VOC, TCL SVOC
S-11676-020101-DG11	GP10-01	15 - 17	Soil	Duplicate of DG10	TCL VOC, TCL SVOC
S-11676-020101-DG12	GP11-01	6.5 - 7.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020101-DG13	GP11-01	11.5 - 12.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020101-DG14	GP16-01	6.5 - 7.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020101-DG15	GP15-01	7 - 7.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020101-DG16	GP28-01	3 - 4	Soil	—	TCL VOC, TCL SVOC
S-11676-020101-DG17	GP29-01	5 - 7.5	Soil	MS/MSD	TCL VOC, TCL SVOC
S-11676-020101-DG18	GP30-01	5.5 - 7.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020101-DG19	GP23-01	3 - 5	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-LP20	GP24-01	5.5 - 7.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-LP21	GP25-01	5 - 6	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-LP22	GP17-01	7 - 8	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-LP23	GP17-01	7 - 8	Soil	Duplicate of LP22	TCL VOC, TCL SVOC
S-11676-020201-LP24	GP18-01	7.5 - 9.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-LP25	GP19-01	5.5 - 7.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-LP26	GP20-01	7 - 9	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-DM100	GP34-01	12.5 - 13.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-DM101	GP33-01	4.5 - 5.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-DM102	GP39-01	7 - 8	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-DM103	GP38-01	5 - 5.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020201-DM104	GP37-01	2.5 - 3.5	Soil	—	TCL VOC, TCL SVOC
S-11676-020301-LP-27	GP21-01	5 - 6	Soil	—	TCL VOC, TCL SVOC
S-11676-020301-LP-28	GP22-01	4 - 5	Soil	—	TCL VOC, TCL SVOC
S-11676-020301-LP-29	GP12-01	5.5 - 7	Soil	—	TCL VOC, TCL SVOC
S-11676-020301-LP-30	GP13-01	5 - 6.5	Soil	—	TCL VOC, TCL SVOC

TABLE 1

SAMPLE SUMMARY
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Sample Identification	*Sample Location*	*Sample Depth (ft. bgs)*	*Matrix*	*QC Samples*	*Parameters*
S-11676-020301-LP-31	GP26-01	5 - 6	Soil	---	TCL VOC, TCL SVOC
S-11676-020301-LP-32	GP27-01	4 - 5	Soil	---	TCL VOC, TCL SVOC
S-11676-020301-DM-105	GP45-01	5 - 6	Soil	---	TCL VOC, TCL SVOC
S-11676-020301-DM-106	GP44-01	4 - 4.5	Soil	---	TCL VOC, TCL SVOC
S-11676-020301-DM-107	GP49-01	12.6 - 13	Soil	---	TCL VOC, TCL SVOC
S-11676-020301-DM-108	GP48-01	4.5 - 5	Soil	---	TCL VOC, TCL SVOC
S-11676-020301-DM-109	GP47-01	5 - 6	Soil	---	TCL VOC, TCL SVOC
S-11676-020301-DM-110	GP47-01	5 - 6	Soil	Duplicate of DM-110	TCL VOC, TCL SVOC
S-11676-020301-DM-111	GP44A-01	4 - 4.5	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-33	GP57-01	3.4 - 5	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-34	GP57-01	3.4 - 5	Soil	Duplicate of LP-33	TCL VOC, TCL SVOC
S-11676-020401-LP-35	GP58-01	5.5 - 7	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-36	GP59-01	5.5 - 7	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-37	GP60-01	5 - 6.5	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-38	GP56-01	6.4 - 8	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-38-MS	GP56-01	6.4 - 8	Soil	MS	TCL VOC, TCL SVOC
S-11676-020401-LP-38-MSD	GP56-01	6.4 - 8	Soil	MSD	TCL VOC, TCL SVOC
S-11676-020401-LP-39	GP55-01	5.5 - 7	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-40	GP54-01	5 - 7	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-41	GP53-01	7 - 9	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-LP-42	GP52-01	13 - 15	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-DM-112	GP31A-01	9 - 10	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-DM-113	GP35-01	6.8 - 7.3	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-DM-114	GP36-01	5 - 6	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-DM-115	GP43-01	4.5 - 5	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-DM-116	GP42-01	6 - 6.5	Soil	---	TCL VOC, TCL SVOC
S-11676-020401-DM-117	GP51-01	7.2 - 7.7	Soil	---	TCL VOC, TCL SVOC

Notes:

QC - Quality Control

MS - Matrix Spike

MSD - Matrix Spike Duplicate

TCL - Target Compound List

VOC - Volatile Organic Compounds

SVOC - Semi-Volatile Organic Compounds

TABLE 2

SUMMARY OF ANALYTICAL METHODS
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Parameter	*Method*
TCL VOC	SW-846 5035/8260B [1]
TCL SVOC	SW-846 8270C

[1] SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986

TABLE 3

HOLDING TIME PERIODS
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Analysis	*Holding Time Period*
TCL VOC	- 48 hours from sample collection to preservation - 14 days from sample extract to completion of analysis
TCL SVOC	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis

TABLE 4

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO LABORATORY CONTROL SAMPLE PERCENT RECOVERY VIOLATION FIELDS BROOK SUPERFUND SITE ASHTABULA, OHIO

Analysis	*Parameters*	*Associated Samples*	*Qualifier*[1]
TCL VOC	Toluene,	S-11676-020301-LP-28	R
	Chlorobenzene	S-11676-020301-LP-30	R
		S-11676-020301-LP-32	
		S-11676-020301-DM-106	
		S-11676-020401-LP-38	
		S-11676-020401-LP-39	
		S-11676-020401-LP-40	
		S-11676-020401-LP-41	
		S-11676-020401-LP-42	
		S-11676-020401-DM-112	
		S-11676-020401-DM-113	
		S-11676-020401-DM-114	
		S-11676-020401-DM-117	

[1]The analysis parameters results should be qualified for the listed samples as:

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

TABLE 5

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO OUTLYING ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS FIELDS BROOK SUPERFUND SITE ASHTABULA, OHIO

Analysis	*Parameters*	*Associated Samples*	*Qualifier* [1]
TCL VOC	Trichloroethene	S-11676-020101-DG17	J
		S-11676-020201-LP24	J
		S-11676-020401-LP-38	J
TCL SVOC	2,4-Dinitrotoluene,	S-11676-020301-DM-105	UJ
	N-Nitrosodi-n-propylamine		UJ

[1] The samples should be qualified for each associated parameter as:

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (for detected parameters).

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limits is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample (for non-detected parameters).

TABLE 6

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SETS
FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO

Parameter	*Investigative Sample*	*Duplicate Sample*	*RPD*[1]
	S-11676-020101-DG10	S-11676-020101-DG11	
TCL VOC (µg/kg)			
1,1-Dichloroethene	1,100	2,200	67
Tetrachloroethene	67,000	55,000	20
Trichloroethene	210,000	240,000	13
Vinyl chloride	310	820	90
cis-1,2-Dichloroethene	1,400	2,200	44
trans-1,2-Dichloroethene	330	650	65
	S-11676-020201-LP22	S-11676-020201-LP23	
TCL VOC (µg/kg)			
Tetrachloroethene	ND (56)[2]	220	NC[3]
Trichloroethene	ND (56)	140	NC
	S-11676-020301-DM-109	S-11676-020301-DM-110	
TCL VOC (µg/kg)			
4-Methyl-2-pentanone	2,110	1,490	34
Tetrachloroethene	678	1,070	45
Trichloroethene	960	1,700	56
1,1,2,2-Tetraochloroethane	ND (310)	472	NC
TCL SVOC (µg/kg)			
bis(2-Ethylhexyl)phthalate	ND (410)	1,200	NC
Hexachlorobenzene	10,000	2,700	110
Hexachlorobutadiene	9,500	1,900	130
Hexachloroethane	390	180	74
	S-11676-020401-LP-033	S-11676-020401-LP-034	
TCL VOC (µg/kg)			
4-Methyl-2-pentanone	409	649	45

[1] RPD - Relative Percent Difference
[2] ND( ) - Not detected at the quantitation limit stated in parentheses.
[3] NC - Not calculable.

CONESTOGA-ROVERS
& ASSOCIATES

11100 Metro Airport Center Drive, Suite #160
Romulus, Michigan 48174
Telephone: (734) 942-0909 Fax: (734) 942-1858
www.CRAworld.com

MEMORANDUM

TO:	Jeff Daniel	REF. NO.:	11676-10
FROM:	Mary Cameron/mc/10/Det.	DATE:	February 23, 2001
RE:	**Final Analytical Report Compliance Assessment** **Fields Brook** **Ashtabula, Ohio**		

The attached final laboratory analytical reports (reports) from American Testing Company, Inc in Bedford Heights, Ohio (ACT) includes analytical data resulting from the February 3 and 4, 2001, 2001, collection of 29 soil samples from the Fields Brook Site in Ashtabula, Ohio. This transmittal memorandum presents an assessment of ACT's report compliance with the project requirements and specifications as identified in the Letter Agreement or Work Order, quality assurance project plan (QAPP) if applicable and chain-of-custody (COC) record included with each report. This memorandum is not intended to provide an assessment of the data quality or validity.

The reports were found not to be compliant with the project requirements as detailed on the attached Laboratory Compliance Assessment Form. A detailed quality assessment and validation of the analytical data would be required to determine if the data has acceptable levels of accuracy and precision. This report will receive a detailed data quality assessment and validation review unless notified otherwise.

The attached reports are the original final laboratory analytical reports and are provided for your office project files.

REGISTERED COMPANY
ISO 9001
ENGINEERING DESIGN

CONESTOGA-ROVERS & ASSOCIATES

11100 Metro Airport Center Drive, Suite #160
Romulus, Michigan 48174
Telephone: (734) 942-0909 Fax: (734) 942-185
www.CRAworld.com

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

To (CRA PM): Jeff Daniel REF. NO.: 11676-10

From (Reviewer): Mary Cameron DATE: February 23, 2001

RE: Final Analytical Report Compliance Assessment

Project Name: **Fields Brook**

Location: **Ashtabula, Ohio**

This laboratory report compliance assessment form presents an assessment of the report's compliance with the project requirements and specifications as identified in the Letter Agreement or Work Order, quality assurance project plan (QAPP) if applicable and chain-of-custody (COC) record. This memorandum is not intended to provide an assessment of the data quality or validity.

1. Sampling Summary

Laboratory: ATC Assessment based on: ☐ LA, ☐ WO, and/or ☐ QAPP

Sampling Event (if known): _____

CRA SDG ID:	*Lab Report #:*	*Sample Date(s):*	*Sample Quantity:*	*Sample Matrix:*	*Date Shipped:*	*Date Received:*
11	01025002	2/3/01	13	Soil	2/3/01	2/3/01
13	01025003	2/4/01	16	Soil	2/4/01	2/4/01

2. Report Data Review

This or these report(s) ☒ will or ☐ will not receive a detailed quality assessment and validation review unless notified otherwise.

The attached final laboratory report(s) was or were found to be ☒ compliant or ☐ noncompliant with the project requirements (see SDG # _____, Section # _____ attached).

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 11 Lab Report #: 0102S002 Project #: 11676-10

3. **Sample Receipt**

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. Laboratory Reporting	Yes	No	Comments
Sample IDs consistent with COC:	☐	☑	Truncated
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☑	☐	

Additional Notes: _____

5. Laboratory Performance	Yes	No	Comments
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☑	☐	
Method blanks reported non-detect:	☐	☐	NA
Final report received on time:	☐	☑	

Additional notes: _____

6. **Report Deliverables**

Report Deliverables Requested: ☑ Data Only ☐ QC Summary ☐ Expanded ☐ EDD

Deliverables Provided: 2/20/01 Acceptable: ☐ Yes ☐ No No. of Copies: 1

Report Comments: no QC, other than surrogates.

Additional comments and notes: _____

LABORATORY REPORT COMPLIANCE ASSESSMENT FORM

CRA SDG ID: 12 Lab Report #: 010205003 Project #: 11676-10

3. Sample Receipt

Received by Lab without incident: ☑ Yes ☐ No Comments: _____

COC Record: A ☑ Complete ☐ Incomplete ☑ CRA ☐ Non CRA COC was included with the samples.

Changes or corrections are noted on the attached COC, which was forwarded to the laboratory.

Comments: _____

4. Laboratory Reporting	**Yes**	**No**	**Comments**
Sample IDs consistent with COC:	☐	☑	truncated
Parameters as designated on COC:	☑	☐	
Analytical methods acceptable:	☑	☐	
Parameter analyte list correct:	☑	☐	
Report limits acceptable:	☑	☐	
Results consistent with preliminary data:	☐	☑	prelim results missing for several

Additional Notes: Samples. # DM-114 PCE ND in prelim, ⊕ in final

5. Laboratory Performance	**Yes**	**No**	**Comments**
Sample holding times met:	☑	☐	
Requested turnaround time(s) (TAT) met:	☐	☑	
Method blanks reported non-detect:	☑	☐	
Final report received on time:	☑	☐	

Additional notes: _____

6. Report Deliverables

Report Deliverables Requested: ☐ Data Only ☑ QC Summary ☐ Expanded ☐ EDD

Deliverables Provided: 2/20/01 Acceptable: ☐ Yes ☐ No No. of Copies: 1

Report Comments: _____

Additional comments and notes: _____

AMERICAN TESTING COMPANY, INC

FEB

SDG: 11

11676-10
SR

Laboratory Analytical Report

for

Conestoga-Rovers & Associates
651 Colby Drive
Waterloo, Ontario N2V 1C2

Attention

Paul Wiseman

Customer P.O. No.

ORIGINAL ANALYTICAL REPORT

Project#: 11676-10 **Lab#:** 0102500 2
Name: Fields Brook

Description

Event: DNAPL
Samples: 13 Soil (2/3/01)
Analysis: VOC

TAT: 24 hrs rut
Lab: ATC

Checked Against Preliminary Data:
Date: 2/20/01 **Init.:** KMB
Date of Validation Memo:
Invoice Approval Date:
Comments:

American Testing Company, Inc. Work Order No.

010205002

Dr. Michael Krasnyansky
Laboratory Director

Karen Bezoski-Davis
QA/QC Manager

5475 Perkins Road • Bedford Heights, Ohio 44146 • Phone (440) 786-1403 • Fax (440) 786-1426
(877) 322-2976 • www.americantesting.com

Conestoga-Rovers & Associates

Attn: Lou Paquette

Subject: 11676-10

Work Order #: 0102-05002
Date Sampled: 02/03/2001
Date Received: 02/03/2001
Date Reported: 02/06/2001

Sample Description: DM-105 Lab ID: 001 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Dat
% Solids		80.62	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	3.1	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.62	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05 1
Chloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/(
Chloroform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	1.08	mg/Kg Dry	0.31	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/
Trichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/0
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/

Xylenes (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		93	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		86	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		95	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		104	% Recovery	86-115	JBN	02/05/2001

Sample Description: DM-106 Lab ID: 002 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		55.92	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	1110	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	220	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	570	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	241	mg/Kg Dry	110	JBN	02/06/2001
Tetrachloroethene	8260B	1300	mg/Kg Dry	110	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	110	JBN	02/06/2001

1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	110	JBN	02/06/200
Trichloroethene	8260B	1250	mg/Kg Dry	110	JBN	02/06/200
Vinyl Chloride	8260B	BDL	mg/Kg Dry	110	JBN	02/06/200
Xylenes (total)	8260B	BDL	mg/Kg Dry	110	JBN	02/06/200
Volatile Solid Surr.Recover					JBN	02/06/200
Dibromofluromethane (surr.)		103	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		99	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		103	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		101	% Recovery	86-115	JBN	02/06/2001

Sample Description: DM-107 Lab ID: 003 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Dat
% Solids		83.47	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	3.0	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	3.0	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	3.0	JBN	02/05/
2-Butanone	8260B	BDL	mg/Kg Dry	0.60	JBN	02/0
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	1.40	mg/Kg Dry	0.30	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/0

Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		98	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		90	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		98	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		103	% Recovery	86-115	JBN	02/05/2001

Sample Description: DM-108 Lab ID: 004 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		82.68	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	3.0	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.60	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/05/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Work Order #: 0102-05002
Date Sampled: 02/03/2001
Date Received: 02/03/200[illegible]
Date Reported: 02/06/20[illegible]

Subject: 11676-10

4-Methyl-2-pentanone	8260B	1.15	mg/Kg Dry	0.30	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		97	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		93	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		100	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		103	% Recovery	86-115	JBN	02/05/2001

Sample Description: DM-109

Lab ID: 005

Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analys.
% Solids		81.20	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	3.1	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.62	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2[illegible]
2-Hexanone	8260B	BDL	mg/Kg Dry	0.31	JBN	02/0[illegible]

Methyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	2.11	mg/Kg Dry	0.31	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Tetrachloroethene	8260B	0.678	mg/Kg Dry	0.31	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Trichloroethene	8260B	0.960	mg/Kg Dry	0.31	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		105	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		103	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		106	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		102	% Recovery	86-115	JBN	02/05/2001

Sample Description: DM-110 Lab ID: 006 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		85.44	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	2.8	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.57	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001

trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/200
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/200
2-Hexanone	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/200
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.4	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	1.49	mg/Kg Dry	0.28	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	0.472	mg/Kg Dry	0.28	JBN	02/05/2001
Tetrachloroethene	8260B	1.07	mg/Kg Dry	0.28	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Trichloroethene	8260B	1.70	mg/Kg Dry	0.28	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.28	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		95	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		88	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		95	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		103	% Recovery	86-115	JBN	02/0

Sample Description: DM-111 Lab ID: 007 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		80.84	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	3.1	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.62	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/0

1,2-Dichloroethene (total)	8260B	4.05	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.6	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	0.568	mg/Kg Dry	0.31	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	0.474	mg/Kg Dry	0.31	JBN	02/05/2001
Tetrachloroethene	8260B	0.970	mg/Kg Dry	0.31	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluoromethane (surr.)		104	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		95	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		107	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		103	% Recovery	86-115	JBN	02/05/2001

Sample Description: LP-27 Lab ID: 008 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		77.25	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	810	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	160	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Work Order #: 0102-05002
Date Sampled: 02/03/2001
Date Received: 02/03/2001
Date Reported: 02/06/2(

Subject: 11676-10

1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	400	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Tetrachloroethene	8260B	2080	mg/Kg Dry	81	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	81	JBN	02/05/2001
Trichloroethene	8260B	218	mg/Kg Dry	81	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	81	JBN	02/0
Xylenes (total)	8260B	BDL	mg/Kg Dry	81	JBN	02/
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		103	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		94	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		103	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		102	% Recovery	86-115	JBN	02/05/2001

Sample Description: LP-28 Lab ID: 009 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		86.18	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	36	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	7.2	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/0

Chloroethane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Dibromochloromethane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	9.24	mg/Kg Dry	3.6	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	18	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Tetrachloroethene	8260B	16.4	mg/Kg Dry	3.6	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Trichloroethene	8260B	158	mg/Kg Dry	3.6	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	3.6	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		102	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		99	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		105	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		101	% Recovery	86-115	JBN	02/06/2001

Sample Description: LP-29 Lab ID: 010 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		87.59	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	160	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Work Order #: 0102-05002
Date Sampled: 02/03/2001
Date Received: 02/03/200
Date Reported: 02/06/2

Subject: 11676-10

Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
Chlorobenzene	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
Chloroethane	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
Chloroform	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
Ethyl Benzene	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
2-Hexanone	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
Methyl Chloride	8260B	BDL	mg/Kg Dry	16	JBN	02/05/200
Methyl Bromide	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	78	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	16	JBN	02/05/201
1,1,2,2-Tetrachloroethane	8260B	209	mg/Kg Dry	16	JBN	02/ 1
Tetrachloroethene	8260B	386	mg/Kg Dry	16	JBN	02/ 1
Toluene	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
Trichloroethene	8260B	193	mg/Kg Dry	16	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	16	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		94	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		88	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		96	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		103	% Recovery	86-115	JBN	02/05/2001

Sample Description: LP-30 Lab ID: 011 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		83.15	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	75	JBN	02/06/
Benzene	8260B	BDL	mg/Kg Dry	7.5	JBN	02/

Bromoform	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	15	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	38.4	mg/Kg Dry	7.5	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Ethy Benzene	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	37	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	9.27	mg/Kg Dry	7.5	JBN	02/06/2001
Tetrachloroethene	8260B	495	mg/Kg Dry	7.5	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Trichloroethene	8260B	522	mg/Kg Dry	7.5	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	7.5	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluoromethane (surr.)		101	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		98	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		105	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		100	% Recovery	86-115	JBN	02/06/2001

Sample Description: LP-31 Lab ID: 012 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		85.25	%	0.1	FP	02/05/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Work Order #: 0102-05002
Date Sampled: 02/03/2001
Date Received: 02/03/200
Date Reported: 02/06/2(

Subject: 11676-10

Volatiles,TC List Dry Wt.					JBN	02/05/200
Acetone	8260B	BDL	mg/Kg Dry	730	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	140	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	73	JBN	02/05/200
2-Hexanone	8260B	BDL	mg/Kg Dry	73	JBN	02/0
Methyl Chloride	8260B	BDL	mg/Kg Dry	73	JBN	02/(
Methyl Bromide	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	360	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Tetrachloroethene	8260B	189	mg/Kg Dry	73	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Trichloroethene	8260B	113	mg/Kg Dry	73	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	73	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		105	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		98	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		106	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		99	% Recovery	86-115	JBN	02/05/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Work Order #: 0102-05002
Date Sampled: 02/03/2001
Date Received: 02/03/2001
Date Reported: 02/06/2001

Subject: 11676-10

Sample Description: LP-32 Lab ID: 013 Date Sampled: 02/03/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		85.13	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	59	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	12	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	13.0	mg/Kg Dry	5.9	JBN	02/06/2001
,2-Dichloropropane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Ethy Benzene	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	29	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Tetrachloroethene	8260B	13.0	mg/Kg Dry	5.9	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Trichloroethene	8260B	49.1	mg/Kg Dry	5.9	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	5.9	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		101	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		95	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		104	% Recovery	88-110	JBN	02/06/2001
-Bromofluorobenzene(surr.)		103	% Recovery	86-115	JBN	02/06/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Subject: 11676-10

Work Order #: 0102-05002
Date Sampled: 02/03/2001
Date Received: 02/03/2001
Date Reported: 02/06/2(

Page

519-884-742-3080

CHAIN OF CUSTODY RECORD

02C702-1

CRA
CONESTOGA ROVERS & ASSOCIATES
651 Colby Drive
Waterloo, Ont. N2V 1C2 (519)884-0510

SHIPPED TO (Laboratory Name): American Testing Company Inc

REFERENCE NUMBER: 11676-10.

SAMPLER'S SIGNATURE: D. [illegible] PRINTED NAME: [illegible]

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: TCL VOA's	PARAMETERS: Dry weight	REMARKS
	02/03/01	[illegible]	S-11676-020301-DM105	Soil	4	X	X	24 hr turnaround
	02/03/01	9:45	S-11676-020301-DM106	Soil	4	X	X	" "
	02/03/01	10:40	S-11676-020301-DM107	Soil	4	X	X	" "
	02/03/01	11:50	S-11676-020301-DM108	Soil	4	X	X	" "
	02/03/01	14:40	S-11676-020301-DM109	Soil	4	X	X	" "
	02/03/01	14:50	S-11676-020301-DM110	Soil	4	X	X	" "
	02/03/01	15:33	S-11676-020301-DM111	Soil	4	X	X	" "
	02/03/01	9:25	S-11676-020301-LP-27	Soil	4	X	X	24 hr Turn A round
	02/03/01	10:15	S-11676-020301-LP-28		4	X	X	" "
	02/03/01	11:25	S-11676-020301-LP-29		4	X	X	" "
	02/03/01	12:10	S-11676-020301-LP-30		4	X	X	" "
	02/03/01	15:35	S-11676-020301-LP-31		4	X	X	" "
	02/03/01	16:25	S-11676-020301-LP-32		4	X	X	" "
	[illegible]							

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① D. [illegible]	DATE: 02/03/01 TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ② L. Paquette	DATE: 02/03/01 TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Direct Delivery WAY BILL No.

White –Fully Executed Copy
Yellow –Receiving Laboratory Copy
Pink –Shipper Copy
Goldenrod –Sampler Copy

SAMPLE TEAM: D. Hayes, L. Paquette

RECEIVED FOR LABORATORY BY: DATE: TIME:

16309

1001 JULY 19/93 REV.0 (F-42)

AMERICAN TESTING COMPANY, INC

RECD OHA
FEB 20 2001
SDG: 12

11676-10
SK.

Laboratory Analytical Report

for

Conestoga-Rovers & Associates
651 Colby Drive
Waterloo, Ontario N2V 1C2

Attention

Paul Wiseman

Customer P.O. No.

ORIGINAL ANALYTICAL REPORT
Project#: 11676-10 **Lab#:** 010205003
Name: Fields Brook
Description
Event: DNAPL
Samples: 11 Soil (2/4/01)
Analysis: VOC
TAT: 24hr not met
Lab: ATC
Checked Against Preliminary Data:
Date: 2/21/01 **Init.:** KB
Date of Validation Memo:
Invoice Approval Date:
Comments:

American Testing Company, Inc. Work Order No.

010205003

Dr. Michael Krasnyansky
Laboratory Director

Karen Bezoski-Davis
QA/QC Manager

5475 Perkins Road • Bedford Heights, Ohio 44146 • Phone (440) 786-1403 • Fax (440) 786-1426
(877) 322-2976 • www.americantesting.com

Conestoga-Rovers & Associates

Attn: Lou Paquette

Work Order #: 0102-05003
Date Sampled: 02/04/2001
Date Received: 02/04/2001
Date Reported: 02/07/2001

Subject: 11676-10

Sample Description: DM-117 Lab ID: 001 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		84.14	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	3.0	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.60	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	1.11	mg/Kg Dry	0.30	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001

Xylenes (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/200
Volatile Solid Surr.Recover					JBN	02/06/200
Dibromofluromethane (surr.)		102	% Recovery	86-118	JBN	02/06/200
Dichloroethane (surr.)		96	% Recovery	80-120	JBN	02/06/200
Toluene-d8 (surr.)		102	% Recovery	88-110	JBN	02/06/200
4-Bromofluorobenzene(surr.)		101	% Recovery	86-115	JBN	02/06/200

Sample Description: LP-33 Lab ID: 002 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Da
% Solids		80.00	%	0.1	FP	02/05/200
Volatiles,TC List Dry Wt.					JBN	02/05/200
Acetone	8260B	BDL	mg/Kg Dry	3.1	JBN	02/05/200
Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/200
Bromoform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/200
2-Butanone	8260B	BDL	mg/Kg Dry	0.62	JBN	02/05/200
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/200
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/(
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	1.6	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	0.409	mg/Kg Dry	0.31	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/0

1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		97	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		90	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		97	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		104	% Recovery	86-115	JBN	02/05/2001

Sample Description: LP-34 Lab ID: 003 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		78.56	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	3.2	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.64	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.6	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	0.649	mg/Kg Dry	0.32	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001

Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.32	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		99	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		94	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		100	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		106	% Recovery	86-115	JBN	02/05/2001

Sample Description: LP-35 Lab ID: 004 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		85.97	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05 1
Acetone	8260B	BDL	mg/Kg Dry	2.9	JBN	02/[illegible]
Benzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/0[illegible]001
Bromoform	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.58	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/0[illegible]

4-Methyl-2-pentanone	8260B	1.84	mg/Kg Dry	0.29	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		93	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		88	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		93	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		104	% Recovery	86-115	JBN	02/05/2001

Sample Description: LP-36 Lab ID: 005 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		82.06	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	3.0	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.60	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/2001

Methyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/05/200
4-Methyl-2-pentanone	8260B	1.96	mg/Kg Dry	0.30	JBN	02/05/200
Styrene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
Toluene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
Trichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/05/200
Volatile Solid Surr.Recover					JBN	02/05/200
Dibromofluromethane (surr.)		98	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		90	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		97	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		104	% Recovery	86-115	JBN	02/05/2001

Sample Description: LP-37 Lab ID: 006 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Dat
% Solids		87.24	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/05/2001
Acetone	8260B	BDL	mg/Kg Dry	2.9	JBN	02/05/2001
Benzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.58	JBN	02/05/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/0[illegible]

trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.4	JBN	02/05/2001
4-Methyl-2-pentanone	8260B	0.355	mg/Kg Dry	0.29	JBN	02/05/2001
Styrene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Toluene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.29	JBN	02/05/2001
Volatile Solid Surr.Recover					JBN	02/05/2001
Dibromofluromethane (surr.)		100	% Recovery	86-118	JBN	02/05/2001
Dichloroethane (surr.)		96	% Recovery	80-120	JBN	02/05/2001
Toluene-d8 (surr.)		102	% Recovery	88-110	JBN	02/05/2001
4-Bromofluorobenzene(surr.)		104	% Recovery	86-115	JBN	02/05/2001

Sample Description: LP-38 Lab ID: 007 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		87.60	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	2.8	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.56	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001

1,2-Dichloroethene (total)	8260B	0.987	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.4	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	1.65	mg/Kg Dry	0.28	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Tetrachloroethene	8260B	5.39	mg/Kg Dry	0.28	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Trichloroethene	8260B	5.82	mg/Kg Dry	0.28	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		103	% Recovery	86-118	JBN	02/0 1
Dichloroethane (surr.)		94	% Recovery	80-120	JBN	02/ 1
Toluene-d8 (surr.)		106	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		102	% Recovery	86-115	JBN	02/06/2001

Sample Description: LP-38-MS Lab ID: 008 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		87.43	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	2.8	JBN	02/06/2001
Benzene	8260B	2.73	mg/Kg Dry	0.28	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.56	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chlorobenzene	8260B	2.49	mg/Kg Dry	0.28	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/0

1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1-Dichloroethene	8260B	2.72	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	1.53	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.4	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	1.28	mg/Kg Dry	0.28	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	0.357	mg/Kg Dry	0.28	JBN	02/06/2001
Tetrachloroethene	8260B	8.71	mg/Kg Dry	0.28	JBN	02/06/2001
Toluene	8260B	2.71	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Trichloroethene	8260B	14.1	mg/Kg Dry	0.28	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		103	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		95	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		103	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		105	% Recovery	86-115	JBN	02/06/2001

Sample Description: LP-38-MSD Lab ID: 009 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		87.97	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	2.8	JBN	02/06/2001
Benzene	8260B	2.71	mg/Kg Dry	0.28	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.56	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chlorobenzene	8260B	2.67	mg/Kg Dry	0.28	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Work Order #: 0102-05003
Date Sampled: 02/04/2001
Date Received: 02/04/20
Date Reported: 02/07/2

Subject: 11676-10

Chloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1-Dichloroethene	8260B	2.74	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	0.404	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.4	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	1.18	mg/Kg Dry	0.28	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	0.282	mg/Kg Dry	0.28	JBN	02/06/2001
Tetrachloroethene	8260B	7.41	mg/Kg Dry	0.28	JBN	02/06/2001
Toluene	8260B	2.68	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/0 1
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/
Trichloroethene	8260B	13.4	mg/Kg Dry	0.28	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		96	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		88	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		96	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		104	% Recovery	86-115	JBN	02/06/2001

Sample Description: LP-39 Lab ID: 010 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		81.62	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	3.1	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.62	JBN	02/06/2
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/

Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	19.5	mg/Kg Dry	0.31	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.54	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	1.08	mg/Kg Dry	0.31	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	19.2	mg/Kg Dry	0.31	JBN	02/06/2001
Tetrachloroethene	8260B	7.89	mg/Kg Dry	0.31	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Trichloroethene	8260B	17.6	mg/Kg Dry	0.31	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		95	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		88	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		97	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		103	% Recovery	86-115	JBN	02/06/2001

Sample Description: LP-40 Lab ID: 011 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		83.55	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	3.0	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Work Order #: 0102-05003
Date Sampled: 02/04/2001
Date Received: 02/04/2001
Date Reported: 02/07/2[illegible]

Subject: 11676-10

Bromoform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.60	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	6.67	mg/Kg Dry	0.30	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/0[illegible]01
4-Methyl-2-pentanone	8260B	1.38	mg/Kg Dry	0.30	JBN	02[illegible]1
Styrene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/[illegible]1
1,1,2,2-Tetrachloroethane	8260B	1.02	mg/Kg Dry	0.30	JBN	02/06/2001
Tetrachloroethene	8260B	9.34	mg/Kg Dry	0.30	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Trichloroethene	8260B	16.8	mg/Kg Dry	0.30	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.30	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		96	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		88	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		95	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		106	% Recovery	86-115	JBN	02/06/2001

Sample Description: LP-41

Lab ID: 012

Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Dat
% Solids		84.37	%	0.1	FP	02/0[illegible]1

Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	2.9	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.58	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.47	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	0.924	mg/Kg Dry	0.29	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Volatile Solid Surr Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		103	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		95	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		104	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		108	% Recovery	86-115	JBN	02/06/2001

Conestoga-Rovers & Associates

Attn: Lou Paquette

Subject: 11676-10

Work Order #: 0102-05003
Date Sampled: 02/04/2001
Date Received: 02/04/200[illegible]
Date Reported: 02/07/20

Sample Description: LP-42 Lab ID: 013 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Da
% Solids		80.05	%	0.1	FP	02/05/200
Volatiles,TC List Dry Wt.					JBN	02/06/200
Acetone	8260B	BDL	mg/Kg Dry	3.1	JBN	02/06/200
Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/200
Bromoform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/200
2-Butanone	8260B	BDL	mg/Kg Dry	0.62	JBN	02/06/200
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/[illegible]
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/[illegible]
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.6	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	1.03	mg/Kg Dry	0.31	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.31	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		94	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		90	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		96	% Recovery	88-110	JBN	02/06/[illegible]
4-Bromofluorobenzene(surr.)		104	% Recovery	86-115	JBN	02/[illegible]

Sample Description: DM-112 Lab ID: 014 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		85.29	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	2.9	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.58	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
cis-1 3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.5	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	1.34	mg/Kg Dry	0.29	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.29	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluoromethane (surr.)		102	% Recovery	86-118	JBN	02/06/2001

Dichloroethane (surr.)	95	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)	104	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)	101	% Recovery	86-115	JBN	02/06/2001

Sample Description: DM-113 Lab ID: 015 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Dat
% Solids		87.97	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	2.8	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.56	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/0 1
Chloroform	8260B	BDL	mg/Kg Dry	0.28	JBN	02/
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.4	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	1.57	mg/Kg Dry	0.28	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Tetrachloroethene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Trichloroethene	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/ 1
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.28	JBN	02/ 1

Xylenes (total)	8260B	BDL	mg/Kg Dry	0.28	JBN	02/06/2001
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluoromethane (surr.)		104	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		99	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		105	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		102	% Recovery	86-115	JBN	02/06/2001

Sample Description: DM-114 Lab ID: 016 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		66.06	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/06/2001
Acetone	8260B	BDL	mg/Kg Dry	3.8	JBN	02/06/2001
Benzene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Bromoform	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
2-Butanone	8260B	BDL	mg/Kg Dry	0.76	JBN	02/06/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Chloroethane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Chloroform	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	1.9	JBN	02/06/2001
4-Methyl-2-pentanone	8260B	2.14	mg/Kg Dry	0.38	JBN	02/06/2001
Styrene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
Tetrachloroethene	8260B	0.819	mg/Kg Dry	0.38	JBN	02/06/2001
Toluene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/2001

1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/200
Trichloroethene	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/200
Vinyl Chloride	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/200
Xylenes (total)	8260B	BDL	mg/Kg Dry	0.38	JBN	02/06/200
Volatile Solid Surr.Recover					JBN	02/06/2001
Dibromofluromethane (surr.)		102	% Recovery	86-118	JBN	02/06/2001
Dichloroethane (surr.)		95	% Recovery	80-120	JBN	02/06/2001
Toluene-d8 (surr.)		106	% Recovery	88-110	JBN	02/06/2001
4-Bromofluorobenzene(surr.)		100	% Recovery	86-115	JBN	02/06/2001

Sample Description: DM-115 Lab ID: 017 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Dat
% Solids		86.40	%	0.1	FP	02/05/2001
Volatiles,TC List Dry Wt.					JBN	02/07/2001
Acetone	8260B	BDL	mg/Kg Dry	29	JBN	02/07/2001
Benzene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Bromoform	8260B	BDL	mg/Kg Dry	2.9	JBN	02/0 1
2-Butanone	8260B	BDL	mg/Kg Dry	5.8	JBN	02/
Carbon Disulfide	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Chloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Chloroform	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,2-Dichloroethene (total)	8260B	4.93	mg/Kg Dry	2.9	JBN	02/07/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Ethyl Benzene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	14	JBN	02/07/2001
4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Styrene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/ 1

Tetrachloroethene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Toluene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Trichloroethene	8260B	33.1	mg/Kg Dry	2.9	JBN	02/07/2001
Vinyl Chloride	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Xylenes (total)	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Volatile Solid Surr.Recover					JBN	02/07/2001
Dibromofluromethane (surr.)		103	% Recovery	86-118	JBN	02/07/2001
Dichloroethane (surr.)		95	% Recovery	80-120	JBN	02/07/2001
Toluene-d8 (surr.)		104	% Recovery	88-110	JBN	02/07/2001
4-Bromofluorobenzene(surr.)		101	% Recovery	86-115	JBN	02/07/2001

Sample Description: DM-116 Lab ID: 018 Date Sampled: 02/04/2001

Test Description	Method	Result	Units	Detection Limit	Analyst	Analysis Date
% Solids		84.37	%	0.1	FP	02/05/2001
Volatiles TC List Dry Wt.					JBN	02/07/2001
Acetone	8260B	BDL	mg/Kg Dry	29	JBN	02/07/2001
Benzene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Bromoform	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
2-Butanone	8260B	BDL	mg/Kg Dry	5.9	JBN	02/07/2001
Carbon Disulfide	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Carbon Tetrachloride	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Chlorobenzene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Chlorodibromomethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Chloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Chloroform	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Dichlorobromomethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,1-Dichloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,2-Dichloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,1-Dichloroethene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,2-Dichloroethene (total)	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
1,2-Dichloropropane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
cis-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
trans-1,3-Dichloropropene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Ethy Benzene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
2-Hexanone	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Methyl Chloride	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Methyl Bromide	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Methylene Chloride	8260B	BDL	mg/Kg Dry	15	JBN	02/07/2001

4-Methyl-2-pentanone	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/200
Styrene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/200
1,1,2,2-Tetrachloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/200
Tetrachloroethene	8260B	246	mg/Kg Dry	2.9	JBN	02/07/200
Toluene	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/200
1,1,1-Trichloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/200
1,1,2-Trichloroethane	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/200
Trichloroethene	8260B	150	mg/Kg Dry	2.9	JBN	02/07/200
Vinyl Chloride	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/200
Xylenes (total)	8260B	BDL	mg/Kg Dry	2.9	JBN	02/07/2001
Volatile Solid Surr.Recover					JBN	02/07/2001
Dibromofluromethane (surr.)		103	% Recovery	86-118	JBN	02/07/2001
Dichloroethane (surr.)		97	% Recovery	80-120	JBN	02/07/2001
Toluene-d8 (surr.)		106	% Recovery	88-110	JBN	02/07/2001
4-Bromofluorobenzene(surr.)		105	% Recovery	86-115	JBN	02/07/2001

CHAIN OF CUSTODY RECORD 02-05003

CRA
CONESTOGA-ROVERS & ASSOCIATES
651 Colby Drive
Waterloo, Ont. N2V 1C2 (519)884-0510

SHIPPED TO (Laboratory Name): American Testing Company inc.

REFERENCE NUMBER: 11676 10

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Luc Paquette

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: TCL VOCs	PARAMETERS: Dry weight	REMARKS	
	02/04/01	10:15	S-11676-020401-DM-117					24 hrs Turn Around	1
	02/04/01	8:35	S-11676-020401-LP-33	Soils	4	X	X	24 hr turn Around	2
	02/04/01	8:40	S-11676-020401-LP-34	Soils	4	X	X	" "	3
	02/04/01	9:40	S-11676-020401-LP-35	Soils	4	X	X	" "	4
	02/04/01	10:15	S-11676-020401-LP-36	Soils	4	X	X	" "	5
	02/04/01	10:45	S-11676-020401-LP-37	Soils	4	X	X	" "	6
	02/04/01	11:35	S-11676-020401-LP-38	Soils	4	X	X	" "	7
	02/04/01	11:45	S-11676-020401-LP-38-MS	Soils	4	X	X	" "	8
	02/04/01	11:55	S-11676-020401-LP-38-MSD	Soils	4	X	X	" "	9
	02/04/01	12:25	S-11676-020401-LP-39	Soils	4	X	X	" "	10
	02/04/01	14:30	S-11676-020401-LP-40	Soils	4	X	X	" "	11
	02/04/01	15:25	S-11676-020401-LP-41	Soils	4	X	X	" "	12
	02/04/01	16:15	S-11676-020401-LP-42	Soils	4	X	X	24 hr Turn Around	13
	02/04/01	10:00	S-11676-020401-DM-112	Soils	4	X	X	" "	14
	02/04/01	12:40	S-11676-020401-DM-113	Soils	4	X	X		15
	02/04/01	13:40	S-11676-020401-DM-114	Soils	4	X	X		16
	02/04/01	14:30	S-11676-020401-DM-115	Soils	4	X	X		17
	02/04/01	15:30	S-11676-020401-DM-116	Soils	4	X	X	24 hr Turn Around	18
	~~02/04/01~~		~~S-11676-020401-DM-117~~	~~Soils~~	~~4~~			"	19
			TOTAL NUMBER OF CONTAINERS			HEALTH/CHEMICAL HAZARDS			

RELINQUISHED BY: ① [signature]	DATE: 02/04/01 TIME: 19h30	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ② [signature]	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④ T. Khlistunov	DATE: 02/04/01 TIME: 8:10 pm

METHOD OF SHIPMENT: Direct delivery (18 samples) WAY BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: L. Paquette, D. Mapp

RECEIVED FOR LABORATORY BY: T Khlistunov
DATE: 02/04/01 TIME: 8:10 pm

№ 16390

1001 JULY 19/93 REV.0 (F-42)

SR

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020169

Report To:		Project Name:	#11676-10, DNAPL
Conestoga-Rovers & Associates		Site:	#11676-10, DNAPL
Paul Wiseman		Site Address:	
11100 Metro Airport Center Drive			
Suite 160		PO Number:	40-013971-0
Romulus		State:	Michigan
MI		State Cert. No.:	
48174-		Date Reported:	2/13/01
ph: (734) 942-0909	fax: (734) 942-3080		

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "S-11676-020301-DM-105" (SPL ID: 01020169-01) was randomly selected for use in SPL's quality control program for the Semivolatile Organics analysis by SW846 Method 8270C. The Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for 2,4-Dinitrotoluene and N-N-Nitrosodi-n-propylamine (Batch ID: 10148) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

FEB 14

SDG: 10

Sonia West

West, Sonia
Senior Project Manager

ORIGINAL ANALYTICAL REPORT
Project#: 11676-10 **Lab#:** 01020169
Name: Fields Brook
Description
Event: DNAPL
Samples: 29 Soil (2/3/01)
Analysis: SVOC
TAT: 3 Days Not met
Lab: SPL
Checked Against Preliminary Data:
Date: 2/16/01 **Init.:** KMB 2/13/0
Date of Validation Memo: _____ Date
Invoice Approval Date: _____
Comments: _____

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020169

Report To: Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Fax To: Conestoga-Rovers & Associates
Paul Wiseman fax : (734) 942-3080

Project Name: #11676-10, DNAPL
Site: #11676-10, DNAPL
Site Address:

PO Number: 40-013971-0
State: Michigan
State Cert. No.:
Date Reported: 2/13/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-020301-DM-105	01020169-01	Soil	2/3/01 8:30:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-DM-106	01020169-02	Soil	2/3/01 9:45:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-DM-107	01020169-03	Soil	2/3/01 10:40:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-DM-108	01020169-04	Soil	2/3/01 11:50:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-DM-109	01020169-05	Soil	2/3/01 2:40:00 PM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-DM-110	01020169-06	Soil	2/3/01 2:50:00 PM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-DM-111	01020169-07	Soil	2/3/01 3:30:00 PM	2/6/01 10:00:00 AM	16391	☐
S-[illegible]020301-LP-27	01020169-08	Soil	2/3/01 9:25:00 AM	2/6/01 10:00:00 AM	16391	☐
[illegible]020301-LP-28	01020169-09	Soil	2/3/01 10:15:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11[illegible]-020301-LP-29	01020169-10	Soil	2/3/01 11:25:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-LP-30	01020169-11	Soil	2/3/01 12:10:00 PM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-LP-31	01020169-12	Soil	2/3/01 3:35:00 PM	2/6/01 10:00:00 AM	16391	☐
S-11676-020301-LP-32	01020169-13	Soil	2/3/01 4:25:00 PM	2/6/01 10:00:00 AM	16391	☐
S-11676-020401-LP-33	01020169-14	Soil	2/4/01 8:35:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020401-LP-34	01020169-15	Soil	2/4/01 8:40:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020401-LP-35	01020169-16	Soil	2/4/01 9:40:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020401-LP-36	01020169-17	Soil	2/4/01 10:15:00 AM	2/6/01 10:00:00 AM	16391	☐
S-11676-020401-LP-37	01020169-18	Soil	2/4/01 10:45:00 AM	2/6/01 10:00:00 AM	091771	☐
S-11676-020401-LP-38	01020169-19	Soil	2/4/01 11:55:00 AM	2/6/01 10:00:00 AM	091771	☐
S-11676-020401-LP-39	01020169-20	Soil	2/4/01 12:25:00 PM	2/6/01 10:00:00 AM	091771	☐
S-11676-020401-LP-40	01020169-21	Soil	2/4/01 2:30:00 PM	2/6/01 10:00:00 AM	091771	☐
S-11676-020401-LP-41	01020169-22	Soil	2/4/01 3:25:00 PM	2/6/01 10:00:00 AM	091771	☐
S-11676-020401-LP-42	01020169-23	Soil	2/4/01 4:15:00 PM	2/6/01 10:00:00 AM	091771	☐
S-11676-020401-DM-112	01020169-24	Soil	2/4/01 10:00:00 AM	2/6/01 10:00:00 AM	091771	☐

Sonia West
West, Sonia
Senior Project Manager

2/13/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

FEB 14 2001

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020169

Report To: Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Fax To: Conestoga-Rovers & Associates
Paul Wiseman fax : (734) 942-3080

Project Name: #11676-10, DNAPL
Site: #11676-10, DNAPL
Site Address:
PO Number: 40-013971-0
State: Michigan
State Cert. No.:
Date Reported: 2/13/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-020401-DM-113	01020169-25	Soil	2/4/01 12:40:00 PM	2/6/01 10:00:00 AM	091771	☐
S-11676-020401-DM-114	01020169-26	Soil	2/4/01 1:40:00 PM	2/6/01 10:00:00 AM	091773	☐
S-11676-020401-DM-115	01020169-27	Soil	2/4/01 2:30:00 PM	2/6/01 10:00:00 AM	091773	☐
S-11676-020401-DM-116	01020169-28	Soil	2/4/01 3:30:00 PM	2/6/01 10:00:00 AM	091773	☐
S-11676-020401-DM-117	01020169-29	Soil	2/4/01 4:15:00 PM	2/6/01 10:00:00 AM	091773	☐

Sonia West
West, Sonia
Senior Project Manager

2/13/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-105 **Collected:** 2/3/01 8:30:00 A **SPL Sample ID:** 01020169-01

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	24.3	0	1		02/06/01 16:00	KM	557615

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-105 **Collected:** 2/3/01 8:30:00 A **SPL Sample ID:** 01020169-01

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	440	1		02/08/01 14:54	S_G	563027
1,2-Dichlorobenzene	ND	66	1		02/08/01 14:54	S_G	563027
1,3-Dichlorobenzene	ND	66	1		02/08/01 14:54	S_G	563027
1,4-Dichlorobenzene	ND	66	1		02/08/01 14:54	S_G	563027
2,4,5-Trichlorophenol	ND	2200	1		02/08/01 14:54	S_G	563027
2,4,6-Trichlorophenol	ND	440	1		02/08/01 14:54	S_G	563027
2,4-Dichlorophenol	ND	440	1		02/08/01 14:54	S_G	563027
2,4-Dimethylphenol	ND	440	1		02/08/01 14:54	S_G	563027
2,4-Dinitrophenol	ND	2200	1		02/08/01 14:54	S_G	563027
2,4-Dinitrotoluene	ND	440	1		02/08/01 14:54	S_G	563027
2,6-Dinitrotoluene	ND	440	1		02/08/01 14:54	S_G	563027
2-Chloronaphthalene	ND	440	1		02/08/01 14:54	S_G	563027
2-Chlorophenol	ND	440	1		02/08/01 14:54	S_G	563027
2-Methylnaphthalene	ND	440	1		02/08/01 14:54	S_G	563027
2-Nitroaniline	ND	2200	1		02/08/01 14:54	S_G	563027
2-Nitrophenol	ND	2200	1		02/08/01 14:54	S_G	563027
3,3'-Dichlorobenzidine	ND	2600	1		02/08/01 14:54	S_G	563027
3-Nitroaniline	ND	2200	1		02/08/01 14:54	S_G	563027
4,6-Dinitro-2-methylphenol	ND	2200	1		02/08/01 14:54	S_G	563027
4-Bromophenyl phenyl ether	ND	440	1		02/08/01 14:54	S_G	563027
4-Chloro-3-methylphenol	ND	1700	1		02/08/01 14:54	S_G	563027
4-Chloroaniline	ND	440	1		02/08/01 14:54	S_G	563027
4-Chlorophenyl phenyl ether	ND	440	1		02/08/01 14:54	S_G	563027
4-Nitroaniline	ND	2200	1		02/08/01 14:54	S_G	563027
4-Nitrophenol	ND	1100	1		02/08/01 14:54	S_G	563027
Acenaphthene	ND	440	1		02/08/01 14:54	S_G	563027
Acenaphthylene	ND	440	1		02/08/01 14:54	S_G	563027
Anthracene	ND	440	1		02/08/01 14:54	S_G	563027
Benz(a)anthracene	ND	440	1		02/08/01 14:54	S_G	563027
Benzo(a)pyrene	ND	440	1		02/08/01 14:54	S_G	563027
Benzo(b)fluoranthene	ND	440	1		02/08/01 14:54	S_G	563027
Benzo(g,h,i)perylene	ND	440	1		02/08/01 14:54	S_G	563027
Benzo(k)fluoranthene	ND	440	1		02/08/01 14:54	S_G	563027
Bis(2-chloroethoxy)methane	ND	440	1		02/08/01 14:54	S_G	563027
Bis(2-chloroethyl)ether	ND	440	1		02/08/01 14:54	S_G	563027
Bis(2-chloroisopropyl)ether	ND	440	1		02/08/01 14:54	S_G	563027
Bis(2-ethylhexyl)phthalate	ND	440	1		02/08/01 14:54	S_G	563027
Butyl benzyl phthalate	ND	440	1		02/08/01 14:54	S_G	563027
Carbazole	ND	440	1		02/08/01 14:54	S_G	563027
Chrysene	ND	440	1		02/08/01 14:54	S_G	563027

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-105 **Collected:** 2/3/01 8:30:00 A **SPL Sample ID:** 01020169-01

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		440	1		02/08/01 14:54	S_G	563027
Di-n-octyl phthalate	ND		440	1		02/08/01 14:54	S_G	563027
Dibenz(a,h)anthracene	ND		440	1		02/08/01 14:54	S_G	563027
Dibenzofuran	ND		440	1		02/08/01 14:54	S_G	563027
Diethyl phthalate	ND		440	1		02/08/01 14:54	S_G	563027
Dimethyl phthalate	ND		440	1		02/08/01 14:54	S_G	563027
Fluoranthene	ND		440	1		02/08/01 14:54	S_G	563027
Fluorene	ND		440	1		02/08/01 14:54	S_G	563027
Hexachlorobenzene	ND		440	1		02/08/01 14:54	S_G	563027
Hexachlorobutadiene	ND		440	1		02/08/01 14:54	S_G	563027
Hexachlorocyclopentadiene	ND		440	1		02/08/01 14:54	S_G	563027
Hexachloroethane	ND		130	1		02/08/01 14:54	S_G	563027
Indeno(1,2,3-cd)pyrene	ND		440	1		02/08/01 14:54	S_G	563027
Isophorone	ND		440	1		02/08/01 14:54	S_G	563027
N-Nitrosodi-n-propylamine	ND		440	1		02/08/01 14:54	S_G	563027
N-Nitrosodiphenylamine	ND		440	1		02/08/01 14:54	S_G	563027
Naphthalene	ND		440	1		02/08/01 14:54	S_G	563027
Nitrobenzene	ND		440	1		02/08/01 14:54	S_G	563027
Pentachlorophenol	ND		4500	1		02/08/01 14:54	S_G	563027
Phenanthrene	ND		440	1		02/08/01 14:54	S_G	563027
Phenol	ND		440	1		02/08/01 14:54	S_G	563027
Pyrene	ND		440	1		02/08/01 14:54	S_G	563027
2-Methylphenol	ND		440	1		02/08/01 14:54	S_G	563027
3 & 4-Methylphenol	ND		440	1		02/08/01 14:54	S_G	563027
Surr: 2,4,6-Tribromophenol	56.0	%	19-122	1		02/08/01 14:54	S_G	563027
Surr: 2-Fluorobiphenyl	58.8	%	30-115	1		02/08/01 14:54	S_G	563027
Surr: 2-Fluorophenol	48.0	%	25-121	1		02/08/01 14:54	S_G	563027
Surr: Nitrobenzene-d5	58.8	%	23-120	1		02/08/01 14:54	S_G	563027
Surr: Phenol-d5	48.0	%	24-113	1		02/08/01 14:54	S_G	563027
Surr: Terphenyl-d14	58.8	%	18-137	1		02/08/01 14:54	S_G	563027

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-106 **Collected:** 2/3/01 9:45:00 A **SPL Sample ID:** 01020169-02

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	32.7	0	1		02/06/01 16:00	KM	557616

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-106 Collected: 2/3/01 9:45:00 A SPL Sample ID: 01020169-02

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		MCL	SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	4900	10		02/09/01 12:59	S_G	563082
1,2-Dichlorobenzene	19000	740	10		02/09/01 12:59	S_G	563082
1,3-Dichlorobenzene	ND	740	10		02/09/01 12:59	S_G	563082
1,4-Dichlorobenzene	ND	740	10		02/09/01 12:59	S_G	563082
2,4,5-Trichlorophenol	ND	25000	10		02/09/01 12:59	S_G	563082
2,4,6-Trichlorophenol	ND	4900	10		02/09/01 12:59	S_G	563082
2,4-Dichlorophenol	ND	4900	10		02/09/01 12:59	S_G	563082
2,4-Dimethylphenol	ND	4900	10		02/09/01 12:59	S_G	563082
2,4-Dinitrophenol	ND	25000	10		02/09/01 12:59	S_G	563082
2,4-Dinitrotoluene	ND	4900	10		02/09/01 12:59	S_G	563082
2,6-Dinitrotoluene	ND	4900	10		02/09/01 12:59	S_G	563082
2-Chloronaphthalene	ND	4900	10		02/09/01 12:59	S_G	563082
2-Chlorophenol	ND	4900	10		02/09/01 12:59	S_G	563082
2-Methylnaphthalene	ND	4900	10		02/09/01 12:59	S_G	563082
2-Nitroaniline	ND	25000	10		02/09/01 12:59	S_G	563082
2-Nitrophenol	ND	25000	10		02/09/01 12:59	S_G	563082
3,3'-Dichlorobenzidine	ND	30000	10		02/09/01 12:59	S_G	563082
3-Nitroaniline	ND	25000	10		02/09/01 12:59	S_G	563082
4,6-Dinitro-2-methylphenol	ND	25000	10		02/09/01 12:59	S_G	563082
4-Bromophenyl phenyl ether	ND	4900	10		02/09/01 12:59	S_G	563082
4-Chloro-3-methylphenol	ND	19000	10		02/09/01 12:59	S_G	563082
4-Chloroaniline	ND	4900	10		02/09/01 12:59	S_G	563082
4-Chlorophenyl phenyl ether	ND	4900	10		02/09/01 12:59	S_G	563082
4-Nitroaniline	ND	25000	10		02/09/01 12:59	S_G	563082
4-Nitrophenol	ND	12000	10		02/09/01 12:59	S_G	563082
Acenaphthene	ND	4900	10		02/09/01 12:59	S_G	563082
Acenaphthylene	ND	4900	10		02/09/01 12:59	S_G	563082
Anthracene	ND	4900	10		02/09/01 12:59	S_G	563082
Benz(a)anthracene	ND	4900	10		02/09/01 12:59	S_G	563082
Benzo(a)pyrene	ND	4900	10		02/09/01 12:59	S_G	563082
Benzo(b)fluoranthene	ND	4900	10		02/09/01 12:59	S_G	563082
Benzo(g,h,i)perylene	ND	4900	10		02/09/01 12:59	S_G	563082
Benzo(k)fluoranthene	ND	4900	10		02/09/01 12:59	S_G	563082
Bis(2-chloroethoxy)methane	ND	4900	10		02/09/01 12:59	S_G	563082
Bis(2-chloroethyl)ether	ND	4900	10		02/09/01 12:59	S_G	563082
Bis(2-chloroisopropyl)ether	ND	4900	10		02/09/01 12:59	S_G	563082
Bis(2-ethylhexyl)phthalate	ND	4900	10		02/09/01 12:59	S_G	563082
Butyl benzyl phthalate	ND	4900	10		02/09/01 12:59	S_G	563082
Carbazole	ND	4900	10		02/09/01 12:59	S_G	563082
Chrysene	ND	4900	10		02/09/01 12:59	S_G	563082

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-106 **Collected:** 2/3/01 9:45:00 A **SPL Sample ID:** 01020169-02

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		4900	10		02/09/01 12:59	S_G	563082
Di-n-octyl phthalate	ND		4900	10		02/09/01 12:59	S_G	563082
Dibenz(a,h)anthracene	ND		4900	10		02/09/01 12:59	S_G	563082
Dibenzofuran	ND		4900	10		02/09/01 12:59	S_G	563082
Diethyl phthalate	ND		4900	10		02/09/01 12:59	S_G	563082
Dimethyl phthalate	ND		4900	10		02/09/01 12:59	S_G	563082
Fluoranthene	ND		4900	10		02/09/01 12:59	S_G	563082
Fluorene	ND		4900	10		02/09/01 12:59	S_G	563082
Hexachlorobenzene	490000		390000	800		02/09/01 15:13	S_G	563084
Hexachlorobutadiene	890000		390000	800		02/09/01 15:13	S_G	563084
Hexachlorocyclopentadiene	ND		4900	10		02/09/01 12:59	S_G	563082
Hexachloroethane	2200000		120000	800		02/09/01 15:13	S_G	563084
Indeno(1,2,3-cd)pyrene	ND		4900	10		02/09/01 12:59	S_G	563082
Isophorone	ND		4900	10		02/09/01 12:59	S_G	563082
N-Nitrosodi-n-propylamine	ND		4900	10		02/09/01 12:59	S_G	563082
N-Nitrosodiphenylamine	ND		4900	10		02/09/01 12:59	S_G	563082
Naphthalene	ND		4900	10		02/09/01 12:59	S_G	563082
Nitrobenzene	ND		4900	10		02/09/01 12:59	S_G	563082
Pentachlorophenol	ND		51000	10		02/09/01 12:59	S_G	563082
Phenanthrene	ND		4900	10		02/09/01 12:59	S_G	563082
Phenol	ND		4900	10		02/09/01 12:59	S_G	563082
Pyrene	ND		4900	10		02/09/01 12:59	S_G	563082
2-Methylphenol	ND		4900	10		02/09/01 12:59	S_G	563082
3 & 4-Methylphenol	ND		4900	10		02/09/01 12:59	S_G	563082
Surr: 2,4,6-Tribromophenol	D	%	19-122	10	*	02/09/01 12:59	S_G	563082
Surr: 2,4,6-Tribromophenol	D	%	19-122	800	*	02/09/01 15:13	S_G	563084
Surr: 2-Fluorobiphenyl	D	%	30-115	800	*	02/09/01 15:13	S_G	563084
Surr: 2-Fluorobiphenyl	D	%	30-115	10	*	02/09/01 12:59	S_G	563082
Surr: 2-Fluorophenol	D	%	25-121	10	*	02/09/01 12:59	S_G	563082
Surr: 2-Fluorophenol	D	%	25-121	800	*	02/09/01 15:13	S_G	563084
Surr: Nitrobenzene-d5	D	%	23-120	800	*	02/09/01 15:13	S_G	563084
Surr: Nitrobenzene-d5	D	%	23-120	10	*	02/09/01 12:59	S_G	563082
Surr: Phenol-d5	D	%	24-113	800	*	02/09/01 15:13	S_G	563084
Surr: Phenol-d5	D	%	24-113	10	*	02/09/01 12:59	S_G	563082
Surr: Terphenyl-d14	D	%	18-137	10	*	02/09/01 12:59	S_G	563082
Surr: Terphenyl-d14	D	%	18-137	800	*	02/09/01 15:13	S_G	563084

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-107 Collected: 2/3/01 10:40:00 SPL Sample ID: 01020169-03

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	13.5	0		1		02/06/01 16:00	KM	557617

Qualifiers:
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-107 **Collected:** 2/3/01 10:40:00 **SPL Sample ID:** 01020169-03

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	380	1		02/09/01 14:40	S_G	563083
1,2-Dichlorobenzene	ND	58	1		02/09/01 14:40	S_G	563083
1,3-Dichlorobenzene	ND	58	1		02/09/01 14:40	S_G	563083
1,4-Dichlorobenzene	ND	58	1		02/09/01 14:40	S_G	563083
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 14:40	S_G	563083
2,4,6-Trichlorophenol	ND	380	1		02/09/01 14:40	S_G	563083
2,4-Dichlorophenol	ND	380	1		02/09/01 14:40	S_G	563083
2,4-Dimethylphenol	ND	380	1		02/09/01 14:40	S_G	563083
2,4-Dinitrophenol	ND	2000	1		02/09/01 14:40	S_G	563083
2,4-Dinitrotoluene	ND	380	1		02/09/01 14:40	S_G	563083
2,6-Dinitrotoluene	ND	380	1		02/09/01 14:40	S_G	563083
2-Chloronaphthalene	ND	380	1		02/09/01 14:40	S_G	563083
2-Chlorophenol	ND	380	1		02/09/01 14:40	S_G	563083
2-Methylnaphthalene	ND	380	1		02/09/01 14:40	S_G	563083
2-Nitroaniline	ND	2000	1		02/09/01 14:40	S_G	563083
2-Nitrophenol	ND	2000	1		02/09/01 14:40	S_G	563083
3,3'-Dichlorobenzidine	ND	2300	1		02/09/01 14:40	S_G	563083
3-Nitroaniline	ND	2000	1		02/09/01 14:40	S_G	563083
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 14:40	S_G	563083
4-Bromophenyl phenyl ether	ND	380	1		02/09/01 14:40	S_G	563083
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 14:40	S_G	563083
4-Chloroaniline	ND	380	1		02/09/01 14:40	S_G	563083
4-Chlorophenyl phenyl ether	ND	380	1		02/09/01 14:40	S_G	563083
4-Nitroaniline	ND	2000	1		02/09/01 14:40	S_G	563083
4-Nitrophenol	ND	920	1		02/09/01 14:40	S_G	563083
Acenaphthene	ND	380	1		02/09/01 14:40	S_G	563083
Acenaphthylene	ND	380	1		02/09/01 14:40	S_G	563083
Anthracene	ND	380	1		02/09/01 14:40	S_G	563083
Benz(a)anthracene	ND	380	1		02/09/01 14:40	S_G	563083
Benzo(a)pyrene	ND	380	1		02/09/01 14:40	S_G	563083
Benzo(b)fluoranthene	ND	380	1		02/09/01 14:40	S_G	563083
Benzo(g,h,i)perylene	ND	380	1		02/09/01 14:40	S_G	563083
Benzo(k)fluoranthene	ND	380	1		02/09/01 14:40	S_G	563083
Bis(2-chloroethoxy)methane	ND	380	1		02/09/01 14:40	S_G	563083
Bis(2-chloroethyl)ether	ND	380	1		02/09/01 14:40	S_G	563083
Bis(2-chloroisopropyl)ether	ND	380	1		02/09/01 14:40	S_G	563083
Bis(2-ethylhexyl)phthalate	ND	380	1		02/09/01 14:40	S_G	563083
Butyl benzyl phthalate	ND	380	1		02/09/01 14:40	S_G	563083
Carbazole	ND	380	1		02/09/01 14:40	S_G	563083
Chrysene	ND	380	1		02/09/01 14:40	S_G	563083

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-107 **Collected:** 2/3/01 10:40:00 **SPL Sample ID:** 01020169-03

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/09/01 14:40	S_G	563083
Di-n-octyl phthalate	ND		380	1		02/09/01 14:40	S_G	563083
Dibenz(a,h)anthracene	ND		380	1		02/09/01 14:40	S_G	563083
Dibenzofuran	ND		380	1		02/09/01 14:40	S_G	563083
Diethyl phthalate	ND		380	1		02/09/01 14:40	S_G	563083
Dimethyl phthalate	ND		380	1		02/09/01 14:40	S_G	563083
Fluoranthene	ND		380	1		02/09/01 14:40	S_G	563083
Fluorene	ND		380	1		02/09/01 14:40	S_G	563083
Hexachlorobenzene	ND		380	1		02/09/01 14:40	S_G	563083
Hexachlorobutadiene	ND		380	1		02/09/01 14:40	S_G	563083
Hexachlorocyclopentadiene	ND		380	1		02/09/01 14:40	S_G	563083
Hexachloroethane	ND		120	1		02/09/01 14:40	S_G	563083
Indeno(1,2,3-cd)pyrene	ND		380	1		02/09/01 14:40	S_G	563083
Isophorone	ND		380	1		02/09/01 14:40	S_G	563083
N-Nitrosodi-n-propylamine	ND		380	1		02/09/01 14:40	S_G	563083
N-Nitrosodiphenylamine	ND		380	1		02/09/01 14:40	S_G	563083
Naphthalene	ND		380	1		02/09/01 14:40	S_G	563083
Nitrobenzene	ND		380	1		02/09/01 14:40	S_G	563083
Pentachlorophenol	ND		3900	1		02/09/01 14:40	S_G	563083
Phenanthrene	ND		380	1		02/09/01 14:40	S_G	563083
Phenol	ND		380	1		02/09/01 14:40	S_G	563083
Pyrene	ND		380	1		02/09/01 14:40	S_G	563083
2-Methylphenol	ND		380	1		02/09/01 14:40	S_G	563083
3 & 4-Methylphenol	ND		380	1		02/09/01 14:40	S_G	563083
Surr: 2,4,6-Tribromophenol	72.0	%	19-122	1		02/09/01 14:40	S_G	563083
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/09/01 14:40	S_G	563083
Surr: 2-Fluorophenol	76.0	%	25-121	1		02/09/01 14:40	S_G	563083
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/09/01 14:40	S_G	563083
Surr: Phenol-d5	72.0	%	24-113	1		02/09/01 14:40	S_G	563083
Surr: Terphenyl-d14	94.1	%	18-137	1		02/09/01 14:40	S_G	563083

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-108 **Collected:** 2/3/01 11:50:00 **SPL Sample ID:** 01020169-04

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	22.2	0		1		02/06/01 16:00	KM	557618

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-108 | Collected: 2/3/01 11:50:00 | SPL Sample ID: 01020169-04

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	420	1		02/09/01 15:47	S_G	563085
1,2-Dichlorobenzene	ND	64	1		02/09/01 15:47	S_G	563085
1,3-Dichlorobenzene	ND	64	1		02/09/01 15:47	S_G	563085
1,4-Dichlorobenzene	ND	64	1		02/09/01 15:47	S_G	563085
2,4,5-Trichlorophenol	ND	2200	1		02/09/01 15:47	S_G	563085
2,4,6-Trichlorophenol	ND	420	1		02/09/01 15:47	S_G	563085
2,4-Dichlorophenol	ND	420	1		02/09/01 15:47	S_G	563085
2,4-Dimethylphenol	ND	420	1		02/09/01 15:47	S_G	563085
2,4-Dinitrophenol	ND	2200	1		02/09/01 15:47	S_G	563085
2,4-Dinitrotoluene	ND	420	1		02/09/01 15:47	S_G	563085
2,6-Dinitrotoluene	ND	420	1		02/09/01 15:47	S_G	563085
2-Chloronaphthalene	ND	420	1		02/09/01 15:47	S_G	563085
2-Chlorophenol	ND	420	1		02/09/01 15:47	S_G	563085
2-Methylnaphthalene	ND	420	1		02/09/01 15:47	S_G	563085
2-Nitroaniline	ND	2200	1		02/09/01 15:47	S_G	563085
2-Nitrophenol	ND	2200	1		02/09/01 15:47	S_G	563085
3,3'-Dichlorobenzidine	ND	2600	1		02/09/01 15:47	S_G	563085
3-Nitroaniline	ND	2200	1		02/09/01 15:47	S_G	563085
4,6-Dinitro-2-methylphenol	ND	2200	1		02/09/01 15:47	S_G	563085
4-Bromophenyl phenyl ether	ND	420	1		02/09/01 15:47	S_G	563085
4-Chloro-3-methylphenol	ND	1700	1		02/09/01 15:47	S_G	563085
4-Chloroaniline	ND	420	1		02/09/01 15:47	S_G	563085
4-Chlorophenyl phenyl ether	ND	420	1		02/09/01 15:47	S_G	563085
4-Nitroaniline	ND	2200	1		02/09/01 15:47	S_G	563085
4-Nitrophenol	ND	1000	1		02/09/01 15:47	S_G	563085
Acenaphthene	ND	420	1		02/09/01 15:47	S_G	563085
Acenaphthylene	ND	420	1		02/09/01 15:47	S_G	563085
Anthracene	ND	420	1		02/09/01 15:47	S_G	563085
Benzo(a)anthracene	ND	420	1		02/09/01 15:47	S_G	563085
Benzo(a)pyrene	ND	420	1		02/09/01 15:47	S_G	563085
Benzo(b)fluoranthene	ND	420	1		02/09/01 15:47	S_G	563085
Benzo(g,h,i)perylene	ND	420	1		02/09/01 15:47	S_G	563085
Benzo(k)fluoranthene	ND	420	1		02/09/01 15:47	S_G	563085
Bis(2-chloroethoxy)methane	ND	420	1		02/09/01 15:47	S_G	563085
Bis(2-chloroethyl)ether	ND	420	1		02/09/01 15:47	S_G	563085
Bis(2-chloroisopropyl)ether	ND	420	1		02/09/01 15:47	S_G	563085
Bis(2-ethylhexyl)phthalate	660	420	1		02/09/01 15:47	S_G	563085
Butylbenzyl phthalate	ND	420	1		02/09/01 15:47	S_G	563085
Carbazole	ND	420	1		02/09/01 15:47	S_G	563085
Chrysene	ND	420	1		02/09/01 15:47	S_G	563085

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-108 **Collected:** 2/3/01 11:50:00 **SPL Sample ID:** 01020169-04

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		420	1		02/09/01 15:47	S_G	563085
Di-n-octyl phthalate	ND		420	1		02/09/01 15:47	S_G	563085
Dibenz(a,h)anthracene	ND		420	1		02/09/01 15:47	S_G	563085
Dibenzofuran	ND		420	1		02/09/01 15:47	S_G	563085
Diethyl phthalate	ND		420	1		02/09/01 15:47	S_G	563085
Dimethyl phthalate	ND		420	1		02/09/01 15:47	S_G	563085
Fluoranthene	ND		420	1		02/09/01 15:47	S_G	563085
Fluorene	ND		420	1		02/09/01 15:47	S_G	563085
Hexachlorobenzene	760		420	1		02/09/01 15:47	S_G	563085
Hexachlorobutadiene	1300		420	1		02/09/01 15:47	S_G	563085
Hexachlorocyclopentadiene	ND		420	1		02/09/01 15:47	S_G	563085
Hexachloroethane	1500		130	1		02/09/01 15:47	S_G	563085
Indeno(1,2,3-cd)pyrene	ND		420	1		02/09/01 15:47	S_G	563085
Isophorone	ND		420	1		02/09/01 15:47	S_G	563085
N-Nitrosodi-n-propylamine	ND		420	1		02/09/01 15:47	S_G	563085
N-Nitrosodiphenylamine	ND		420	1		02/09/01 15:47	S_G	563085
Naphthalene	ND		420	1		02/09/01 15:47	S_G	563085
Nitrobenzene	ND		420	1		02/09/01 15:47	S_G	563085
Pentachlorophenol	ND		4400	1		02/09/01 15:47	S_G	563085
Phenanthrene	ND		420	1		02/09/01 15:47	S_G	563085
Phenol	ND		420	1		02/09/01 15:47	S_G	563085
Pyrene	ND		420	1		02/09/01 15:47	S_G	563085
2-Methylphenol	ND		420	1		02/09/01 15:47	S_G	563085
3 & 4-Methylphenol	ND		420	1		02/09/01 15:47	S_G	563085
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		02/09/01 15:47	S_G	563085
Surr: 2-Fluorobiphenyl	94.1	%	30-115	1		02/09/01 15:47	S_G	563085
Surr: 2-Fluorophenol	84.0	%	25-121	1		02/09/01 15:47	S_G	563085
Surr: Nitrobenzene-d5	82.4	%	23-120	1		02/09/01 15:47	S_G	563085
Surr: Phenol-d5	80.0	%	24-113	1		02/09/01 15:47	S_G	563085
Surr: Terphenyl-d14	106	%	18-137	1		02/09/01 15:47	S_G	563085

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-109 **Collected:** 2/3/01 2:40:00 P **SPL Sample ID:** 01020169-05

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	19.6	0	1		02/06/01 16:00	KM	557619

Qualifiers:
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-109 **Collected:** 2/3/01 2:40:00 P **SPL Sample ID:** 01020169-05

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	410	1		02/08/01 18:56	S_G	563031
1,2-Dichlorobenzene	ND	62	1		02/08/01 18:56	S_G	563031
1,3-Dichlorobenzene	ND	62	1		02/08/01 18:56	S_G	563031
1,4-Dichlorobenzene	ND	62	1		02/08/01 18:56	S_G	563031
2,4,5-Trichlorophenol	ND	2100	1		02/08/01 18:56	S_G	563031
2,4,6-Trichlorophenol	ND	410	1		02/08/01 18:56	S_G	563031
2,4-Dichlorophenol	ND	410	1		02/08/01 18:56	S_G	563031
2,4-Dimethylphenol	ND	410	1		02/08/01 18:56	S_G	563031
2,4-Dinitrophenol	ND	2100	1		02/08/01 18:56	S_G	563031
2,4-Dinitrotoluene	ND	410	1		02/08/01 18:56	S_G	563031
2,6-Dinitrotoluene	ND	410	1		02/08/01 18:56	S_G	563031
2-Chloronaphthalene	ND	410	1		02/08/01 18:56	S_G	563031
2-Chlorophenol	ND	410	1		02/08/01 18:56	S_G	563031
2-Methylnaphthalene	ND	410	1		02/08/01 18:56	S_G	563031
2-Nitroaniline	ND	2100	1		02/08/01 18:56	S_G	563031
2-Nitrophenol	ND	2100	1		02/08/01 18:56	S_G	563031
3,3'-Dichlorobenzidine	ND	2500	1		02/08/01 18:56	S_G	563031
3-Nitroaniline	ND	2100	1		02/08/01 18:56	S_G	563031
4,6-Dinitro-2-methylphenol	ND	2100	1		02/08/01 18:56	S_G	563031
4-Bromophenyl phenyl ether	ND	410	1		02/08/01 18:56	S_G	563031
4-Chloro-3-methylphenol	ND	1600	1		02/08/01 18:56	S_G	563031
4-Chloroaniline	ND	410	1		02/08/01 18:56	S_G	563031
4-Chlorophenyl phenyl ether	ND	410	1		02/08/01 18:56	S_G	563031
4-Nitroaniline	ND	2100	1		02/08/01 18:56	S_G	563031
4-Nitrophenol	ND	1000	1		02/08/01 18:56	S_G	563031
Acenaphthene	ND	410	1		02/08/01 18:56	S_G	563031
Acenaphthylene	ND	410	1		02/08/01 18:56	S_G	563031
Anthracene	ND	410	1		02/08/01 18:56	S_G	563031
Benz(a)anthracene	ND	410	1		02/08/01 18:56	S_G	563031
Benzo(a)pyrene	ND	410	1		02/08/01 18:56	S_G	563031
Benzo(b)fluoranthene	ND	410	1		02/08/01 18:56	S_G	563031
Benzo(g,h,i)perylene	ND	410	1		02/08/01 18:56	S_G	563031
Benzo(k)fluoranthene	ND	410	1		02/08/01 18:56	S_G	563031
Bis(2-chloroethoxy)methane	ND	410	1		02/08/01 18:56	S_G	563031
Bis(2-chloroethyl)ether	ND	410	1		02/08/01 18:56	S_G	563031
Bis(2-chloroisopropyl)ether	ND	410	1		02/08/01 18:56	S_G	563031
Bis(2-ethylhexyl)phthalate	ND	410	1		02/08/01 18:56	S_G	563031
Butyl benzyl phthalate	ND	410	1		02/08/01 18:56	S_G	563031
Carbazole	ND	410	1		02/08/01 18:56	S_G	563031
Chrysene	ND	410	1		02/08/01 18:56	S_G	563031

Qualifiers:

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J - Estimated Value between MDL and PQL
>MCL. - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-109 Collected: 2/3/01 2:40:00 P SPL Sample ID: 01020169-05

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		410	1		02/08/01 18:56	S_G	563031
Di-n-octyl phthalate	ND		410	1		02/08/01 18:56	S_G	563031
Dibenz(a,h)anthracene	ND		410	1		02/08/01 18:56	S_G	563031
Dibenzofuran	ND		410	1		02/08/01 18:56	S_G	563031
Diethyl phthalate	ND		410	1		02/08/01 18:56	S_G	563031
Dimethyl phthalate	ND		410	1		02/08/01 18:56	S_G	563031
Fluoranthene	ND		410	1		02/08/01 18:56	S_G	563031
Fluorene	ND		410	1		02/08/01 18:56	S_G	563031
Hexachlorobenzene	10000		2100	5		02/09/01 16:21	S_G	563086
Hexachlorobutadiene	9500		2100	5		02/09/01 16:21	S_G	563086
Hexachlorocyclopentadiene	ND		410	1		02/08/01 18:56	S_G	563031
Hexachloroethane	390		120	1		02/08/01 18:56	S_G	563031
Indeno(1,2,3-cd)pyrene	ND		410	1		02/08/01 18:56	S_G	563031
Isophorone	ND		410	1		02/08/01 18:56	S_G	563031
N-Nitrosodi-n-propylamine	ND		410	1		02/08/01 18:56	S_G	563031
N-Nitrosodiphenylamine	ND		410	1		02/08/01 18:56	S_G	563031
Naphthalene	ND		410	1		02/08/01 18:56	S_G	563031
Nitrobenzene	ND		410	1		02/08/01 18:56	S_G	563031
Pentachlorophenol	ND		4200	1		02/08/01 18:56	S_G	563031
Phenanthrene	ND		410	1		02/08/01 18:56	S_G	563031
Phenol	ND		410	1		02/08/01 18:56	S_G	563031
Pyrene	ND		410	1		02/08/01 18:56	S_G	563031
2-Methylphenol	ND		410	1		02/08/01 18:56	S_G	563031
3 & 4-Methylphenol	ND		410	1		02/08/01 18:56	S_G	563031
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		02/08/01 18:56	S_G	563031
Surr: 2,4,6-Tribromophenol	64.0	%	19-122	5		02/09/01 16:21	S_G	563086
Surr: 2-Fluorobiphenyl	64.7	%	30-115	5		02/09/01 16:21	S_G	563086
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		02/08/01 18:56	S_G	563031
Surr: 2-Fluorophenol	56.0	%	25-121	1		02/08/01 18:56	S_G	563031
Surr: 2-Fluorophenol	60.0	%	25-121	5		02/09/01 16:21	S_G	563086
Surr: Nitrobenzene-d5	64.7	%	23-120	5		02/09/01 16:21	S_G	563086
Surr: Nitrobenzene-d5	58.8	%	23-120	1		02/08/01 18:56	S_G	563031
Surr: Phenol-d5	56.0	%	24-113	5		02/09/01 16:21	S_G	563086
Surr: Phenol-d5	60.0	%	24-113	1		02/08/01 18:56	S_G	563031
Surr: Terphenyl-d14	94.1	%	18-137	5		02/09/01 16:21	S_G	563086
Surr: Terphenyl-d14	106	%	18-137	1		02/08/01 18:56	S_G	563031

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-110 **Collected:** 2/3/01 2:50:00 P **SPL Sample ID:** 01020169-06

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	16.2	0		1		02/06/01 16:00	KM	557620

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-110 **Collected:** 2/3/01 2:50:00 P **SPL Sample ID:** 01020169-06

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/08/01 19:30	S_G	563033
1,2-Dichlorobenzene	ND	60	1		02/08/01 19:30	S_G	563033
1,3-Dichlorobenzene	ND	60	1		02/08/01 19:30	S_G	563033
1,4-Dichlorobenzene	ND	60	1		02/08/01 19:30	S_G	563033
2,4,5-Trichlorophenol	ND	2000	1		02/08/01 19:30	S_G	563033
2,4,6-Trichlorophenol	ND	390	1		02/08/01 19:30	S_G	563033
2,4-Dichlorophenol	ND	390	1		02/08/01 19:30	S_G	563033
2,4-Dimethylphenol	ND	390	1		02/08/01 19:30	S_G	563033
2,4-Dinitrophenol	ND	2000	1		02/08/01 19:30	S_G	563033
2,4-Dinitrotoluene	ND	390	1		02/08/01 19:30	S_G	563033
2,6-Dinitrotoluene	ND	390	1		02/08/01 19:30	S_G	563033
2-Chloronaphthalene	ND	390	1		02/08/01 19:30	S_G	563033
2-Chlorophenol	ND	390	1		02/08/01 19:30	S_G	563033
2-Methylnaphthalene	ND	390	1		02/08/01 19:30	S_G	563033
2-Nitroaniline	ND	2000	1		02/08/01 19:30	S_G	563033
2-Nitrophenol	ND	2000	1		02/08/01 19:30	S_G	563033
3,3'-Dichlorobenzidine	ND	2400	1		02/08/01 19:30	S_G	563033
3-Nitroaniline	ND	2000	1		02/08/01 19:30	S_G	563033
4,6-Dinitro-2-methylphenol	ND	2000	1		02/08/01 19:30	S_G	563033
4-Bromophenyl phenyl ether	ND	390	1		02/08/01 19:30	S_G	563033
4-Chloro-3-methylphenol	ND	1600	1		02/08/01 19:30	S_G	563033
4-Chloroaniline	ND	390	1		02/08/01 19:30	S_G	563033
4-Chlorophenyl phenyl ether	ND	390	1		02/08/01 19:30	S_G	563033
4-Nitroaniline	ND	2000	1		02/08/01 19:30	S_G	563033
4-Nitrophenol	ND	950	1		02/08/01 19:30	S_G	563033
Acenaphthene	ND	390	1		02/08/01 19:30	S_G	563033
Acenaphthylene	ND	390	1		02/08/01 19:30	S_G	563033
Anthracene	ND	390	1		02/08/01 19:30	S_G	563033
Benz(a)anthracene	ND	390	1		02/08/01 19:30	S_G	563033
Benzo(a)pyrene	ND	390	1		02/08/01 19:30	S_G	563033
Benzo(b)fluoranthene	ND	390	1		02/08/01 19:30	S_G	563033
Benzo(g,h,i)perylene	ND	390	1		02/08/01 19:30	S_G	563033
Benzo(k)fluoranthene	ND	390	1		02/08/01 19:30	S_G	563033
Bis(2-chloroethoxy)methane	ND	390	1		02/08/01 19:30	S_G	563033
Bis(2-chloroethyl)ether	ND	390	1		02/08/01 19:30	S_G	563033
Bis(2-chloroisopropyl)ether	ND	390	1		02/08/01 19:30	S_G	563033
Bis(2-ethylhexyl)phthalate	1200	390	1		02/08/01 19:30	S_G	563033
Butyl benzyl phthalate	ND	390	1		02/08/01 19:30	S_G	563033
Carbazole	ND	390	1		02/08/01 19:30	S_G	563033
Chrysene	ND	390	1		02/08/01 19:30	S_G	563033

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-110 **Collected:** 2/3/01 2:50:00 P **SPL Sample ID:** 01020169-06

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/08/01 19:30	S_G	563033
Di-n-octyl phthalate	ND		390	1		02/08/01 19:30	S_G	563033
Dibenz(a,h)anthracene	ND		390	1		02/08/01 19:30	S_G	563033
Dibenzofuran	ND		390	1		02/08/01 19:30	S_G	563033
Diethyl phthalate	ND		390	1		02/08/01 19:30	S_G	563033
Dimethyl phthalate	ND		390	1		02/08/01 19:30	S_G	563033
Fluoranthene	ND		390	1		02/08/01 19:30	S_G	563033
Fluorene	ND		390	1		02/08/01 19:30	S_G	563033
Hexachlorobenzene	2700		390	1		02/08/01 19:30	S_G	563033
Hexachlorobutadiene	1900		390	1		02/08/01 19:30	S_G	563033
Hexachlorocyclopentadiene	ND		390	1		02/08/01 19:30	S_G	563033
Hexachloroethane	180		120	1		02/08/01 19:30	S_G	563033
Indeno(1,2,3-cd)pyrene	ND		390	1		02/08/01 19:30	S_G	563033
Isophorone	ND		390	1		02/08/01 19:30	S_G	563033
N-Nitrosodi-n-propylamine	ND		390	1		02/08/01 19:30	S_G	563033
N-Nitrosodiphenylamine	ND		390	1		02/08/01 19:30	S_G	563033
Naphthalene	ND		390	1		02/08/01 19:30	S_G	563033
Nitrobenzene	ND		390	1		02/08/01 19:30	S_G	563033
Pentachlorophenol	ND		4100	1		02/08/01 19:30	S_G	563033
Phenanthrene	ND		390	1		02/08/01 19:30	S_G	563033
Phenol	ND		390	1		02/08/01 19:30	S_G	563033
Pyrene	ND		390	1		02/08/01 19:30	S_G	563033
2-Methylphenol	ND		390	1		02/08/01 19:30	S_G	563033
3 & 4-Methylphenol	ND		390	1		02/08/01 19:30	S_G	563033
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		02/08/01 19:30	S_G	563033
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		02/08/01 19:30	S_G	563033
Surr: 2-Fluorophenol	72.0	%	25-121	1		02/08/01 19:30	S_G	563033
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/08/01 19:30	S_G	563033
Surr: Phenol-d5	80.0	%	24-113	1		02/08/01 19:30	S_G	563033
Surr: Terphenyl-d14	118	%	18-137	1		02/08/01 19:30	S_G	563033

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-111 Collected: 2/3/01 3:30:00 P SPL Sample ID: 01020169-07

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	22.2	0		1		02/06/01 16:00	KM	557621

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-111 **Collected:** 2/3/01 3:30:00 P **SPL Sample ID:** 01020169-07

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	420	1		02/09/01 16:54	S_G	563088
1,2-Dichlorobenzene	280	64	1		02/09/01 16:54	S_G	563088
1,3-Dichlorobenzene	ND	64	1		02/09/01 16:54	S_G	563088
1,4-Dichlorobenzene	ND	64	1		02/09/01 16:54	S_G	563088
2,4,5-Trichlorophenol	ND	2200	1		02/09/01 16:54	S_G	563088
2,4,6-Trichlorophenol	ND	420	1		02/09/01 16:54	S_G	563088
2,4-Dichlorophenol	ND	420	1		02/09/01 16:54	S_G	563088
2,4-Dimethylphenol	ND	420	1		02/09/01 16:54	S_G	563088
2,4-Dinitrophenol	ND	2200	1		02/09/01 16:54	S_G	563088
2,4-Dinitrotoluene	ND	420	1		02/09/01 16:54	S_G	563088
2,6-Dinitrotoluene	ND	420	1		02/09/01 16:54	S_G	563088
2-Chloronaphthalene	ND	420	1		02/09/01 16:54	S_G	563088
2-Chlorophenol	ND	420	1		02/09/01 16:54	S_G	563088
2-Methylnaphthalene	ND	420	1		02/09/01 16:54	S_G	563088
2-Nitroaniline	ND	2200	1		02/09/01 16:54	S_G	563088
2-Nitrophenol	ND	2200	1		02/09/01 16:54	S_G	563088
3,3'-Dichlorobenzidine	ND	2600	1		02/09/01 16:54	S_G	563088
3-Nitroaniline	ND	2200	1		02/09/01 16:54	S_G	563088
4,6-Dinitro-2-methylphenol	ND	2200	1		02/09/01 16:54	S_G	563088
4-Bromophenyl phenyl ether	ND	420	1		02/09/01 16:54	S_G	563088
4-Chloro-3-methylphenol	ND	1700	1		02/09/01 16:54	S_G	563088
4-Chloroaniline	ND	420	1		02/09/01 16:54	S_G	563088
4-Chlorophenyl phenyl ether	ND	420	1		02/09/01 16:54	S_G	563088
4-Nitroaniline	ND	2200	1		02/09/01 16:54	S_G	563088
4-Nitrophenol	ND	1000	1		02/09/01 16:54	S_G	563088
Acenaphthene	ND	420	1		02/09/01 16:54	S_G	563088
Acenaphthylene	ND	420	1		02/09/01 16:54	S_G	563088
Anthracene	ND	420	1		02/09/01 16:54	S_G	563088
Benz(a)anthracene	ND	420	1		02/09/01 16:54	S_G	563088
Benzo(a)pyrene	ND	420	1		02/09/01 16:54	S_G	563088
Benzo(b)fluoranthene	ND	420	1		02/09/01 16:54	S_G	563088
Benzo(g,h,i)perylene	ND	420	1		02/09/01 16:54	S_G	563088
Benzo(k)fluoranthene	ND	420	1		02/09/01 16:54	S_G	563088
Bis(2-chloroethoxy)methane	ND	420	1		02/09/01 16:54	S_G	563088
Bis(2-chloroethyl)ether	ND	420	1		02/09/01 16:54	S_G	563088
Bis(2-chloroisopropyl)ether	ND	420	1		02/09/01 16:54	S_G	563088
Bis(2-ethylhexyl)phthalate	ND	420	1		02/09/01 16:54	S_G	563088
Butyl benzyl phthalate	ND	420	1		02/09/01 16:54	S_G	563088
Carbazole	ND	420	1		02/09/01 16:54	S_G	563088
Chrysene	ND	420	1		02/09/01 16:54	S_G	563088

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-DM-111 **Collected:** 2/3/01 3:30:00 P **SPL Sample ID:** 01020169-07

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		420	1		02/09/01 16:54	S_G	563088
Di-n-octyl phthalate	ND		420	1		02/09/01 16:54	S_G	563088
Dibenz(a,h)anthracene	ND		420	1		02/09/01 16:54	S_G	563088
Dibenzofuran	ND		420	1		02/09/01 16:54	S_G	563088
Diethyl phthalate	ND		420	1		02/09/01 16:54	S_G	563088
Dimethyl phthalate	ND		420	1		02/09/01 16:54	S_G	563088
Fluoranthene	ND		420	1		02/09/01 16:54	S_G	563088
Fluorene	ND		420	1		02/09/01 16:54	S_G	563088
Hexachlorobenzene	480		420	1		02/09/01 16:54	S_G	563088
Hexachlorobutadiene	3300		420	1		02/09/01 16:54	S_G	563088
Hexachlorocyclopentadiene	ND		420	1		02/09/01 16:54	S_G	563088
Hexachloroethane	ND		130	1		02/09/01 16:54	S_G	563088
Indeno(1,2,3-cd)pyrene	ND		420	1		02/09/01 16:54	S_G	563088
Isophorone	ND		420	1		02/09/01 16:54	S_G	563088
N-Nitrosodi-n-propylamine	ND		420	1		02/09/01 16:54	S_G	563088
N-Nitrosodiphenylamine	ND		420	1		02/09/01 16:54	S_G	563088
Naphthalene	ND		420	1		02/09/01 16:54	S_G	563088
Nitrobenzene	ND		420	1		02/09/01 16:54	S_G	563088
Pentachlorophenol	ND		4400	1		02/09/01 16:54	S_G	563088
Phenanthrene	ND		420	1		02/09/01 16:54	S_G	563088
Phenol	ND		420	1		02/09/01 16:54	S_G	563088
Pyrene	ND		420	1		02/09/01 16:54	S_G	563088
2-Methylphenol	ND		420	1		02/09/01 16:54	S_G	563088
3 & 4-Methylphenol	ND		420	1		02/09/01 16:54	S_G	563088
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		02/09/01 16:54	S_G	563088
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		02/09/01 16:54	S_G	563088
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/09/01 16:54	S_G	563088
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/09/01 16:54	S_G	563088
Surr: Phenol-d5	64.0	%	24-113	1		02/09/01 16:54	S_G	563088
Surr: Terphenyl-d14	118	%	18-137	1		02/09/01 16:54	S_G	563088

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-27 **Collected:** 2/3/01 9:25:00 A **SPL Sample ID:** 01020169-08

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	20	0		1		02/06/01 16:00	KM	557622

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-27 **Collected:** 2/3/01 9:25:00 A **SPL Sample ID:** 01020169-08

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	410	1		02/08/01 20:39	S_G	563034
1,2-Dichlorobenzene	2600	62	1		02/08/01 20:39	S_G	563034
1,3-Dichlorobenzene	ND	62	1		02/08/01 20:39	S_G	563034
1,4-Dichlorobenzene	ND	62	1		02/08/01 20:39	S_G	563034
2,4,5-Trichlorophenol	ND	2100	1		02/08/01 20:39	S_G	563034
2,4,6-Trichlorophenol	ND	410	1		02/08/01 20:39	S_G	563034
2,4-Dichlorophenol	ND	410	1		02/08/01 20:39	S_G	563034
2,4-Dimethylphenol	ND	410	1		02/08/01 20:39	S_G	563034
2,4-Dinitrophenol	ND	2100	1		02/08/01 20:39	S_G	563034
2,4-Dinitrotoluene	ND	410	1		02/08/01 20:39	S_G	563034
2,6-Dinitrotoluene	ND	410	1		02/08/01 20:39	S_G	563034
2-Chloronaphthalene	ND	410	1		02/08/01 20:39	S_G	563034
2-Chlorophenol	ND	410	1		02/08/01 20:39	S_G	563034
2-Methylnaphthalene	ND	410	1		02/08/01 20:39	S_G	563034
2-Nitroaniline	ND	2100	1		02/08/01 20:39	S_G	563034
2-Nitrophenol	ND	2100	1		02/08/01 20:39	S_G	563034
3,3'-Dichlorobenzidine	ND	2500	1		02/08/01 20:39	S_G	563034
3-Nitroaniline	ND	2100	1		02/08/01 20:39	S_G	563034
4,6-Dinitro-2-methylphenol	ND	2100	1		02/08/01 20:39	S_G	563034
4-Bromophenyl phenyl ether	ND	410	1		02/08/01 20:39	S_G	563034
4-Chloro-3-methylphenol	ND	1600	1		02/08/01 20:39	S_G	563034
4-Chloroaniline	ND	410	1		02/08/01 20:39	S_G	563034
4-Chlorophenyl phenyl ether	ND	410	1		02/08/01 20:39	S_G	563034
4-Nitroaniline	ND	2100	1		02/08/01 20:39	S_G	563034
4-Nitrophenol	ND	1000	1		02/08/01 20:39	S_G	563034
Acenaphthene	ND	410	1		02/08/01 20:39	S_G	563034
Acenaphthylene	ND	410	1		02/08/01 20:39	S_G	563034
Anthracene	ND	410	1		02/08/01 20:39	S_G	563034
Benz(a)anthracene	ND	410	1		02/08/01 20:39	S_G	563034
Benzo(a)pyrene	ND	410	1		02/08/01 20:39	S_G	563034
Benzo(b)fluoranthene	ND	410	1		02/08/01 20:39	S_G	563034
Benzo(g,h,i)perylene	ND	410	1		02/08/01 20:39	S_G	563034
Benzo(k)fluoranthene	ND	410	1		02/08/01 20:39	S_G	563034
Bis(2-chloroethoxy)methane	ND	410	1		02/08/01 20:39	S_G	563034
Bis(2-chloroethyl)ether	ND	410	1		02/08/01 20:39	S_G	563034
Bis(2-chloroisopropyl)ether	ND	410	1		02/08/01 20:39	S_G	563034
Bis(2-ethylhexyl)phthalate	460	410	1		02/08/01 20:39	S_G	563034
Butyl benzyl phthalate	ND	410	1		02/08/01 20:39	S_G	563034
Carbazole	ND	410	1		02/08/01 20:39	S_G	563034
Chrysene	ND	410	1		02/08/01 20:39	S_G	563034

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-27 **Collected:** 2/3/01 9:25:00 A **SPL Sample ID:** 01020169-08

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		410	1		02/08/01 20:39	S_G	563034
Di-n-octyl phthalate	ND		410	1		02/08/01 20:39	S_G	563034
Dibenz(a,h)anthracene	ND		410	1		02/08/01 20:39	S_G	563034
Dibenzofuran	ND		410	1		02/08/01 20:39	S_G	563034
Diethyl phthalate	ND		410	1		02/08/01 20:39	S_G	563034
Dimethyl phthalate	ND		410	1		02/08/01 20:39	S_G	563034
Fluoranthene	ND		410	1		02/08/01 20:39	S_G	563034
Fluorene	ND		410	1		02/08/01 20:39	S_G	563034
Hexachlorobenzene	5400		2100	5		02/09/01 17:28	S_G	563089
Hexachlorobutadiene	8800		2100	5		02/09/01 17:28	S_G	563089
Hexachlorocyclopentadiene	ND		410	1		02/08/01 20:39	S_G	563034
Hexachloroethane	10000		620	5		02/09/01 17:28	S_G	563089
Indeno(1,2,3-cd)pyrene	ND		410	1		02/08/01 20:39	S_G	563034
Isophorone	ND		410	1		02/08/01 20:39	S_G	563034
N-Nitrosodi-n-propylamine	ND		410	1		02/08/01 20:39	S_G	563034
N-Nitrosodiphenylamine	ND		410	1		02/08/01 20:39	S_G	563034
Naphthalene	ND		410	1		02/08/01 20:39	S_G	563034
Nitrobenzene	ND		410	1		02/08/01 20:39	S_G	563034
Pentachlorophenol	ND		4200	1		02/08/01 20:39	S_G	563034
Phenanthrene	ND		410	1		02/08/01 20:39	S_G	563034
Phenol	ND		410	1		02/08/01 20:39	S_G	563034
Pyrene	ND		410	1		02/08/01 20:39	S_G	563034
2-Methylphenol	ND		410	1		02/08/01 20:39	S_G	563034
3 & 4-Methylphenol	ND		410	1		02/08/01 20:39	S_G	563034
Surr: 2,4,6-Tribromophenol	100	%	19-122	1		02/08/01 20:39	S_G	563034
Surr: 2,4,6-Tribromophenol	72.0	%	19-122	5		02/09/01 17:28	S_G	563089
Surr: 2-Fluorobiphenyl	94.1	%	30-115	1		02/08/01 20:39	S_G	563034
Surr: 2-Fluorobiphenyl	94.1	%	30-115	5		02/09/01 17:28	S_G	563089
Surr: 2-Fluorophenol	72.0	%	25-121	1		02/08/01 20:39	S_G	563034
Surr: 2-Fluorophenol	80.0	%	25-121	5		02/09/01 17:28	S_G	563089
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/08/01 20:39	S_G	563034
Surr: Nitrobenzene-d5	94.1	%	23-120	5		02/09/01 17:28	S_G	563089
Surr: Phenol-d5	72.0	%	24-113	1		02/08/01 20:39	S_G	563034
Surr: Phenol-d5	76.0	%	24-113	5		02/09/01 17:28	S_G	563089
Surr: Terphenyl-d14	94.1	%	18-137	5		02/09/01 17:28	S_G	563089
Surr: Terphenyl-d14	118	%	18-137	1		02/08/01 20:39	S_G	563034

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-28 **Collected:** 2/3/01 10:15:00 **SPL Sample ID:** 01020169-09

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	11.3	0	1		02/06/01 16:00	KM	557623

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-28 **Collected:** 2/3/01 10:15:00 **SPL Sample ID:** 01020169-09

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370	1		02/08/01 21:14	S_G	563035
1,2-Dichlorobenzene	160	56	1		02/08/01 21:14	S_G	563035
1,3-Dichlorobenzene	ND	56	1		02/08/01 21:14	S_G	563035
1,4-Dichlorobenzene	ND	56	1		02/08/01 21:14	S_G	563035
2,4,5-Trichlorophenol	ND	1900	1		02/08/01 21:14	S_G	563035
2,4,6-Trichlorophenol	ND	370	1		02/08/01 21:14	S_G	563035
2,4-Dichlorophenol	ND	370	1		02/08/01 21:14	S_G	563035
2,4-Dimethylphenol	ND	370	1		02/08/01 21:14	S_G	563035
2,4-Dinitrophenol	ND	1900	1		02/08/01 21:14	S_G	563035
2,4-Dinitrotoluene	ND	370	1		02/08/01 21:14	S_G	563035
2,6-Dinitrotoluene	ND	370	1		02/08/01 21:14	S_G	563035
2-Chloronaphthalene	ND	370	1		02/08/01 21:14	S_G	563035
2-Chlorophenol	ND	370	1		02/08/01 21:14	S_G	563035
2-Methylnaphthalene	ND	370	1		02/08/01 21:14	S_G	563035
2-Nitroaniline	ND	1900	1		02/08/01 21:14	S_G	563035
2-Nitrophenol	ND	1900	1		02/08/01 21:14	S_G	563035
3,3'-Dichlorobenzidine	ND	2300	1		02/08/01 21:14	S_G	563035
3-Nitroaniline	ND	1900	1		02/08/01 21:14	S_G	563035
4,6-Dinitro-2-methylphenol	ND	1900	1		02/08/01 21:14	S_G	563035
4-Bromophenyl phenyl ether	ND	370	1		02/08/01 21:14	S_G	563035
4-Chloro-3-methylphenol	ND	1500	1		02/08/01 21:14	S_G	563035
4-Chloroaniline	ND	370	1		02/08/01 21:14	S_G	563035
4-Chlorophenyl phenyl ether	ND	370	1		02/08/01 21:14	S_G	563035
4-Nitroaniline	ND	1900	1		02/08/01 21:14	S_G	563035
4-Nitrophenol	ND	900	1		02/08/01 21:14	S_G	563035
Acenaphthene	ND	370	1		02/08/01 21:14	S_G	563035
Acenaphthylene	ND	370	1		02/08/01 21:14	S_G	563035
Anthracene	ND	370	1		02/08/01 21:14	S_G	563035
Benz(a)anthracene	ND	370	1		02/08/01 21:14	S_G	563035
Benzo(a)pyrene	ND	370	1		02/08/01 21:14	S_G	563035
Benzo(b)fluoranthene	ND	370	1		02/08/01 21:14	S_G	563035
Benzo(g,h,i)perylene	ND	370	1		02/08/01 21:14	S_G	563035
Benzo(k)fluoranthene	ND	370	1		02/08/01 21:14	S_G	563035
Bis(2-chloroethoxy)methane	ND	370	1		02/08/01 21:14	S_G	563035
Bis(2-chloroethyl)ether	ND	370	1		02/08/01 21:14	S_G	563035
Bis(2-chloroisopropyl)ether	ND	370	1		02/08/01 21:14	S_G	563035
Bis(2-ethylhexyl)phthalate	ND	370	1		02/08/01 21:14	S_G	563035
Butyl benzyl phthalate	ND	370	1		02/08/01 21:14	S_G	563035
Carbazole	ND	370	1		02/08/01 21:14	S_G	563035
Chrysene	ND	370	1		02/08/01 21:14	S_G	563035

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-28 **Collected:** 2/3/01 10:15:00 **SPL Sample ID:** 01020169-09

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/08/01 21:14	S_G	563035
Di-n-octyl phthalate	ND		370	1		02/08/01 21:14	S_G	563035
Dibenz(a,h)anthracene	ND		370	1		02/08/01 21:14	S_G	563035
Dibenzofuran	ND		370	1		02/08/01 21:14	S_G	563035
Diethyl phthalate	ND		370	1		02/08/01 21:14	S_G	563035
Dimethyl phthalate	ND		370	1		02/08/01 21:14	S_G	563035
Fluoranthene	ND		370	1		02/08/01 21:14	S_G	563035
Fluorene	ND		370	1		02/08/01 21:14	S_G	563035
Hexachlorobenzene	ND		370	1		02/08/01 21:14	S_G	563035
Hexachlorobutadiene	ND		370	1		02/08/01 21:14	S_G	563035
Hexachlorocyclopentadiene	ND		370	1		02/08/01 21:14	S_G	563035
Hexachloroethane	ND		110	1		02/08/01 21:14	S_G	563035
Indeno(1,2,3-cd)pyrene	ND		370	1		02/08/01 21:14	S_G	563035
Isophorone	ND		370	1		02/08/01 21:14	S_G	563035
N-Nitrosodi-n-propylamine	ND		370	1		02/08/01 21:14	S_G	563035
N-Nitrosodiphenylamine	ND		370	1		02/08/01 21:14	S_G	563035
Naphthalene	ND		370	1		02/08/01 21:14	S_G	563035
Nitrobenzene	ND		370	1		02/08/01 21:14	S_G	563035
Pentachlorophenol	ND		3800	1		02/08/01 21:14	S_G	563035
Phenanthrene	ND		370	1		02/08/01 21:14	S_G	563035
Phenol	ND		370	1		02/08/01 21:14	S_G	563035
Pyrene	ND		370	1		02/08/01 21:14	S_G	563035
2-Methylphenol	ND		370	1		02/08/01 21:14	S_G	563035
3 & 4-Methylphenol	ND		370	1		02/08/01 21:14	S_G	563035
Surr: 2,4,6-Tribromophenol	84.0	%	19-122	1		02/08/01 21:14	S_G	563035
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/08/01 21:14	S_G	563035
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/08/01 21:14	S_G	563035
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/08/01 21:14	S_G	563035
Surr: Phenol-d5	68.0	%	24-113	1		02/08/01 21:14	S_G	563035
Surr: Terphenyl-d14	118	%	18-137	1		02/08/01 21:14	S_G	563035

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-29 **Collected:** 2/3/01 11:25:00 **SPL Sample ID:** 01020169-10

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	15.1	0	1		02/06/01 16:00	KM	557624

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-29 **Collected:** 2/3/01 11:25:00 **SPL Sample ID:** 01020169-10

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	520	390	1		02/08/01 21:48	S_G	563037
1,2-Dichlorobenzene	1100	59	1		02/08/01 21:48	S_G	563037
1,3-Dichlorobenzene	ND	59	1		02/08/01 21:48	S_G	563037
1,4-Dichlorobenzene	ND	59	1		02/08/01 21:48	S_G	563037
2,4,5-Trichlorophenol	ND	2000	1		02/08/01 21:48	S_G	563037
2,4,6-Trichlorophenol	ND	390	1		02/08/01 21:48	S_G	563037
2,4-Dichlorophenol	ND	390	1		02/08/01 21:48	S_G	563037
2,4-Dimethylphenol	ND	390	1		02/08/01 21:48	S_G	563037
2,4-Dinitrophenol	ND	2000	1		02/08/01 21:48	S_G	563037
2,4-Dinitrotoluene	ND	390	1		02/08/01 21:48	S_G	563037
2,6-Dinitrotoluene	ND	390	1		02/08/01 21:48	S_G	563037
2-Chloronaphthalene	ND	390	1		02/08/01 21:48	S_G	563037
2-Chlorophenol	ND	390	1		02/08/01 21:48	S_G	563037
2-Methylnaphthalene	ND	390	1		02/08/01 21:48	S_G	563037
2-Nitroaniline	ND	2000	1		02/08/01 21:48	S_G	563037
2-Nitrophenol	ND	2000	1		02/08/01 21:48	S_G	563037
3,3'-Dichlorobenzidine	ND	2400	1		02/08/01 21:48	S_G	563037
3-Nitroaniline	ND	2000	1		02/08/01 21:48	S_G	563037
4,6-Dinitro-2-methylphenol	ND	2000	1		02/08/01 21:48	S_G	563037
4-Bromophenyl phenyl ether	ND	390	1		02/08/01 21:48	S_G	563037
4-Chloro-3-methylphenol	ND	1500	1		02/08/01 21:48	S_G	563037
4-Chloroaniline	ND	390	1		02/08/01 21:48	S_G	563037
4-Chlorophenyl phenyl ether	ND	390	1		02/08/01 21:48	S_G	563037
4-Nitroaniline	ND	2000	1		02/08/01 21:48	S_G	563037
4-Nitrophenol	ND	940	1		02/08/01 21:48	S_G	563037
Acenaphthene	ND	390	1		02/08/01 21:48	S_G	563037
Acenaphthylene	ND	390	1		02/08/01 21:48	S_G	563037
Anthracene	ND	390	1		02/08/01 21:48	S_G	563037
Benzo(a)anthracene	ND	390	1		02/08/01 21:48	S_G	563037
Benzo(a)pyrene	ND	390	1		02/08/01 21:48	S_G	563037
Benzo(b)fluoranthene	ND	390	1		02/08/01 21:48	S_G	563037
Benzo(g,h,i)perylene	ND	390	1		02/08/01 21:48	S_G	563037
Benzo(k)fluoranthene	ND	390	1		02/08/01 21:48	S_G	563037
Bis(2-chloroethoxy)methane	ND	390	1		02/08/01 21:48	S_G	563037
Bis(2-chloroethyl)ether	ND	390	1		02/08/01 21:48	S_G	563037
Bis(2-chloroisopropyl)ether	ND	390	1		02/08/01 21:48	S_G	563037
Bis(2-ethylhexyl)phthalate	420	390	1		02/08/01 21:48	S_G	563037
Butyl benzyl phthalate	ND	390	1		02/08/01 21:48	S_G	563037
Carbazole	ND	390	1		02/08/01 21:48	S_G	563037
Chrysene	ND	390	1		02/08/01 21:48	S_G	563037

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-29 **Collected:** 2/3/01 11:25:00 **SPL Sample ID:** 01020169-10

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/08/01 21:48	S_G	563037
Di-n-octyl phthalate	ND		390	1		02/08/01 21:48	S_G	563037
Dibenz(a,h)anthracene	ND		390	1		02/08/01 21:48	S_G	563037
Dibenzofuran	ND		390	1		02/08/01 21:48	S_G	563037
Diethyl phthalate	ND		390	1		02/08/01 21:48	S_G	563037
Dimethyl phthalate	ND		390	1		02/08/01 21:48	S_G	563037
Fluoranthene	ND		390	1		02/08/01 21:48	S_G	563037
Fluorene	ND		390	1		02/08/01 21:48	S_G	563037
Hexachlorobenzene	6500		1900	5		02/09/01 18:02	S_G	563091
Hexachlorobutadiene	11000		1900	5		02/09/01 18:02	S_G	563091
Hexachlorocyclopentadiene	ND		390	1		02/08/01 21:48	S_G	563037
Hexachloroethane	470		120	1		02/08/01 21:48	S_G	563037
Indeno(1,2,3-cd)pyrene	ND		390	1		02/08/01 21:48	S_G	563037
Isophorone	ND		390	1		02/08/01 21:48	S_G	563037
N-Nitrosodi-n-propylamine	ND		390	1		02/08/01 21:48	S_G	563037
N-Nitrosodiphenylamine	ND		390	1		02/08/01 21:48	S_G	563037
Naphthalene	ND		390	1		02/08/01 21:48	S_G	563037
Nitrobenzene	ND		390	1		02/08/01 21:48	S_G	563037
Pentachlorophenol	ND		4000	1		02/08/01 21:48	S_G	563037
Phenanthrene	ND		390	1		02/08/01 21:48	S_G	563037
Phenol	ND		390	1		02/08/01 21:48	S_G	563037
Pyrene	ND		390	1		02/08/01 21:48	S_G	563037
2-Methylphenol	ND		390	1		02/08/01 21:48	S_G	563037
3 & 4-Methylphenol	ND		390	1		02/08/01 21:48	S_G	563037
Surr: 2,4,6-Tribromophenol	108	%	19-122	1		02/08/01 21:48	S_G	563037
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	5		02/09/01 18:02	S_G	563091
Surr: 2-Fluorobiphenyl	88.2	%	30-115	1		02/08/01 21:48	S_G	563037
Surr: 2-Fluorobiphenyl	88.2	%	30-115	5		02/09/01 18:02	S_G	563091
Surr: 2-Fluorophenol	72.0	%	25-121	1		02/08/01 21:48	S_G	563037
Surr: 2-Fluorophenol	76.0	%	25-121	5		02/09/01 18:02	S_G	563091
Surr: Nitrobenzene-d5	82.4	%	23-120	5		02/09/01 18:02	S_G	563091
Surr: Nitrobenzene-d5	82.4	%	23-120	1		02/08/01 21:48	S_G	563037
Surr: Phenol-d5	68.0	%	24-113	5		02/09/01 18:02	S_G	563091
Surr: Phenol-d5	72.0	%	24-113	1		02/08/01 21:48	S_G	563037
Surr: Terphenyl-d14	129	%	18-137	1		02/08/01 21:48	S_G	563037
Surr: Terphenyl-d14	112	%	18-137	5		02/09/01 18:02	S_G	563091

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-30 **Collected:** 2/3/01 12:10:00 **SPL Sample ID:** 01020169-11

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	14.5	0	1		02/06/01 16:00	KM	557626

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-30 **Collected:** 2/3/01 12:10:00 **SPL Sample ID:** 01020169-11

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/08/01 22:22	S_G	563038
1,2-Dichlorobenzene	560	58	1		02/08/01 22:22	S_G	563038
1,3-Dichlorobenzene	ND	58	1		02/08/01 22:22	S_G	563038
1,4-Dichlorobenzene	ND	58	1		02/08/01 22:22	S_G	563038
2,4,5-Trichlorophenol	ND	2000	1		02/08/01 22:22	S_G	563038
2,4,6-Trichlorophenol	ND	390	1		02/08/01 22:22	S_G	563038
2,4-Dichlorophenol	ND	390	1		02/08/01 22:22	S_G	563038
2,4-Dimethylphenol	ND	390	1		02/08/01 22:22	S_G	563038
2,4-Dinitrophenol	ND	2000	1		02/08/01 22:22	S_G	563038
2,4-Dinitrotoluene	ND	390	1		02/08/01 22:22	S_G	563038
2,6-Dinitrotoluene	ND	390	1		02/08/01 22:22	S_G	563038
2-Chloronaphthalene	ND	390	1		02/08/01 22:22	S_G	563038
2-Chlorophenol	ND	390	1		02/08/01 22:22	S_G	563038
2-Methylnaphthalene	ND	390	1		02/08/01 22:22	S_G	563038
2-Nitroaniline	ND	2000	1		02/08/01 22:22	S_G	563038
2-Nitrophenol	ND	2000	1		02/08/01 22:22	S_G	563038
3,3'-Dichlorobenzidine	ND	2300	1		02/08/01 22:22	S_G	563038
3-Nitroaniline	ND	2000	1		02/08/01 22:22	S_G	563038
4,6-Dinitro-2-methylphenol	ND	2000	1		02/08/01 22:22	S_G	563038
4-Bromophenyl phenyl ether	ND	390	1		02/08/01 22:22	S_G	563038
4-Chloro-3-methylphenol	ND	1500	1		02/08/01 22:22	S_G	563038
4-Chloroaniline	ND	390	1		02/08/01 22:22	S_G	563038
4-Chlorophenyl phenyl ether	ND	390	1		02/08/01 22:22	S_G	563038
4-Nitroaniline	ND	2000	1		02/08/01 22:22	S_G	563038
4-Nitrophenol	ND	940	1		02/08/01 22:22	S_G	563038
Acenaphthene	ND	390	1		02/08/01 22:22	S_G	563038
Acenaphthylene	ND	390	1		02/08/01 22:22	S_G	563038
Anthracene	ND	390	1		02/08/01 22:22	S_G	563038
Benz(a)anthracene	ND	390	1		02/08/01 22:22	S_G	563038
Benzo(a)pyrene	ND	390	1		02/08/01 22:22	S_G	563038
Benzo(b)fluoranthene	ND	390	1		02/08/01 22:22	S_G	563038
Benzo(g,h,i)perylene	ND	390	1		02/08/01 22:22	S_G	563038
Benzo(k)fluoranthene	ND	390	1		02/08/01 22:22	S_G	563038
Bis(2-chloroethoxy)methane	ND	390	1		02/08/01 22:22	S_G	563038
Bis(2-chloroethyl)ether	ND	390	1		02/08/01 22:22	S_G	563038
Bis(2-chloroisopropyl)ether	ND	390	1		02/08/01 22:22	S_G	563038
Bis(2-ethylhexyl)phthalate	ND	390	1		02/08/01 22:22	S_G	563038
Butyl benzyl phthalate	ND	390	1		02/08/01 22:22	S_G	563038
Carbazole	ND	390	1		02/08/01 22:22	S_G	563038
Chrysene	ND	390	1		02/08/01 22:22	S_G	563038

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-30 **Collected:** 2/3/01 12:10:00 **SPL Sample ID:** 01020169-11

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/08/01 22:22	S_G	563038
Di-n-octyl phthalate	ND		390	1		02/08/01 22:22	S_G	563038
Dibenz[a,h]anthracene	ND		390	1		02/08/01 22:22	S_G	563038
Dibenzofuran	ND		390	1		02/08/01 22:22	S_G	563038
Diethyl phthalate	ND		390	1		02/08/01 22:22	S_G	563038
Dimethyl phthalate	ND		390	1		02/08/01 22:22	S_G	563038
Fluoranthene	ND		390	1		02/08/01 22:22	S_G	563038
Fluorene	ND		390	1		02/08/01 22:22	S_G	563038
Hexachlorobenzene	ND		390	1		02/08/01 22:22	S_G	563038
Hexachlorobutadiene	ND		390	1		02/08/01 22:22	S_G	563038
Hexachlorocyclopentadiene	ND		390	1		02/08/01 22:22	S_G	563038
Hexachloroethane	ND		120	1		02/08/01 22:22	S_G	563038
Indeno(1,2,3-cd)pyrene	ND		390	1		02/08/01 22:22	S_G	563038
Isophorone	ND		390	1		02/08/01 22:22	S_G	563038
N-Nitrosodi-n-propylamine	ND		390	1		02/08/01 22:22	S_G	563038
N-Nitrosodiphenylamine	ND		390	1		02/08/01 22:22	S_G	563038
Naphthalene	ND		390	1		02/08/01 22:22	S_G	563038
Nitrobenzene	ND		390	1		02/08/01 22:22	S_G	563038
Pentachlorophenol	ND		4000	1		02/08/01 22:22	S_G	563038
Phenanthrene	ND		390	1		02/08/01 22:22	S_G	563038
Phenol	ND		390	1		02/08/01 22:22	S_G	563038
Pyrene	ND		390	1		02/08/01 22:22	S_G	563038
2-Methylphenol	ND		390	1		02/08/01 22:22	S_G	563038
3 & 4-Methylphenol	ND		390	1		02/08/01 22:22	S_G	563038
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		02/08/01 22:22	S_G	563038
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/08/01 22:22	S_G	563038
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/08/01 22:22	S_G	563038
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/08/01 22:22	S_G	563038
Surr: Phenol-d5	68.0	%	24-113	1		02/08/01 22:22	S_G	563038
Surr: Terphenyl-d14	112	%	18-137	1		02/08/01 22:22	S_G	563038

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-31 **Collected:** 2/3/01 3:35:00 P **SPL Sample ID:** 01020169-12

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	15.5	0		1		02/06/01 16:00	KM	557627

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-31 **Collected:** 2/3/01 3:35:00 P **SPL Sample ID:** 01020169-12

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEM VOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/08/01 22:56	S_G	563039
1,2-Dichlorobenzene	1500	59	1		02/08/01 22:56	S_G	563039
1,3-Dichlorobenzene	ND	59	1		02/08/01 22:56	S_G	563039
1,4-Dichlorobenzene	ND	59	1		02/08/01 22:56	S_G	563039
2,4,5-Trichlorophenol	ND	2000	1		02/08/01 22:56	S_G	563039
2,4,6-Trichlorophenol	ND	390	1		02/08/01 22:56	S_G	563039
2,4-Dichlorophenol	ND	390	1		02/08/01 22:56	S_G	563039
2,4-Dimethylphenol	ND	390	1		02/08/01 22:56	S_G	563039
2,4-Dinitrophenol	ND	2000	1		02/08/01 22:56	S_G	563039
2,4-Dinitrotoluene	ND	390	1		02/08/01 22:56	S_G	563039
2,6-Dinitrotoluene	ND	390	1		02/08/01 22:56	S_G	563039
2-Chloronaphthalene	ND	390	1		02/08/01 22:56	S_G	563039
2-Chlorophenol	ND	390	1		02/08/01 22:56	S_G	563039
2-Methylnaphthalene	ND	390	1		02/08/01 22:56	S_G	563039
2-Nitroaniline	ND	2000	1		02/08/01 22:56	S_G	563039
2-Nitrophenol	ND	2000	1		02/08/01 22:56	S_G	563039
3,3'-Dichlorobenzidine	ND	2400	1		02/08/01 22:56	S_G	563039
3-Nitroaniline	ND	2000	1		02/08/01 22:56	S_G	563039
4,6-Dinitro-2-methylphenol	ND	2000	1		02/08/01 22:56	S_G	563039
4-Bromophenyl phenyl ether	ND	390	1		02/08/01 22:56	S_G	563039
4-Chloro-3-methylphenol	ND	1500	1		02/08/01 22:56	S_G	563039
4-Chloroaniline	ND	390	1		02/08/01 22:56	S_G	563039
4-Chlorophenyl phenyl ether	ND	390	1		02/08/01 22:56	S_G	563039
4-Nitroaniline	ND	2000	1		02/08/01 22:56	S_G	563039
4-Nitrophenol	ND	950	1		02/08/01 22:56	S_G	563039
Acenaphthene	ND	390	1		02/08/01 22:56	S_G	563039
Acenaphthylene	ND	390	1		02/08/01 22:56	S_G	563039
Anthracene	ND	390	1		02/08/01 22:56	S_G	563039
Benz(a)anthracene	ND	390	1		02/08/01 22:56	S_G	563039
Benzo(a)pyrene	ND	390	1		02/08/01 22:56	S_G	563039
Benzo(b)fluoranthene	ND	390	1		02/08/01 22:56	S_G	563039
Benzo(g,h,i)perylene	ND	390	1		02/08/01 22:56	S_G	563039
Benzo(k)fluoranthene	ND	390	1		02/08/01 22:56	S_G	563039
Bis(2-chloroethoxy)methane	ND	390	1		02/08/01 22:56	S_G	563039
Bis(2-chloroethyl)ether	ND	390	1		02/08/01 22:56	S_G	563039
Bis(2-chloroisopropyl)ether	ND	390	1		02/08/01 22:56	S_G	563039
Bis(2-ethylhexyl)phthalate	ND	390	1		02/08/01 22:56	S_G	563039
Butyl benzyl phthalate	ND	390	1		02/08/01 22:56	S_G	563039
Carbazole	ND	390	1		02/08/01 22:56	S_G	563039
Chrysene	ND	390	1		02/08/01 22:56	S_G	563039

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-31 **Collected:** 2/3/01 3:35:00 P **SPL Sample ID:** 01020169-12

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/08/01 22:56	S_G	563039
Di-n-octyl phthalate	ND		390	1		02/08/01 22:56	S_G	563039
Dibenz(a,h)anthracene	ND		390	1		02/08/01 22:56	S_G	563039
Dibenzofuran	ND		390	1		02/08/01 22:56	S_G	563039
Diethyl phthalate	ND		390	1		02/08/01 22:56	S_G	563039
Dimethyl phthalate	ND		390	1		02/08/01 22:56	S_G	563039
Fluoranthene	ND		390	1		02/08/01 22:56	S_G	563039
Fluorene	ND		390	1		02/08/01 22:56	S_G	563039
Hexachlorobenzene	6000		3900	10		02/12/01 11:52	P_C	563546
Hexachlorobutadiene	12000		3900	10		02/12/01 11:52	P_C	563546
Hexachlorocyclopentadiene	ND		390	1		02/08/01 22:56	S_G	563039
Hexachloroethane	14000		1200	10		02/12/01 11:52	P_C	563546
Indeno(1,2,3-cd)pyrene	ND		390	1		02/08/01 22:56	S_G	563039
Isophorone	ND		390	1		02/08/01 22:56	S_G	563039
N-Nitrosodi-n-propylamine	ND		390	1		02/08/01 22:56	S_G	563039
N-Nitrosodiphenylamine	ND		390	1		02/08/01 22:56	S_G	563039
Naphthalene	ND		390	1		02/08/01 22:56	S_G	563039
Nitrobenzene	ND		390	1		02/08/01 22:56	S_G	563039
Pentachlorophenol	ND		4000	1		02/08/01 22:56	S_G	563039
Phenanthrene	ND		390	1		02/08/01 22:56	S_G	563039
Phenol	ND		390	1		02/08/01 22:56	S_G	563039
Pyrene	ND		390	1		02/08/01 22:56	S_G	563039
2-Methylphenol	ND		390	1		02/08/01 22:56	S_G	563039
3 & 4-Methylphenol	ND		390	1		02/08/01 22:56	S_G	563039
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		02/08/01 22:56	S_G	563039
Surr: 2,4,6-Tribromophenol	D	%	19-122	10		02/12/01 11:52	P_C	563546
Surr: 2-Fluorobiphenyl	D	%	30-115	10		02/12/01 11:52	P_C	563546
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/08/01 22:56	S_G	563039
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/08/01 22:56	S_G	563039
Surr: 2-Fluorophenol	D	%	25-121	10		02/12/01 11:52	P_C	563546
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/08/01 22:56	S_G	563039
Surr: Nitrobenzene-d5	D	%	23-120	10		02/12/01 11:52	P_C	563546
Surr: Phenol-d5	68.0	%	24-113	1		02/08/01 22:56	S_G	563039
Surr: Phenol-d5	D	%	24-113	10		02/12/01 11:52	P_C	563546
Surr: Terphenyl-d14	D	%	18-137	10		02/12/01 11:52	P_C	563546
Surr: Terphenyl-d14	100	%	18-137	1		02/08/01 22:56	S_G	563039

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-32 **Collected:** 2/3/01 4:25:00 P **SPL Sample ID:** 01020169-13

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	10.7	0		1		02/06/01 16:00	KM	557628

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-32 **Collected:** 2/3/01 4:25:00 P **SPL Sample ID:** 01020169-13

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370	1		02/08/01 23:31	S_G	563040
1,2-Dichlorobenzene	300	56	1		02/08/01 23:31	S_G	563040
1,3-Dichlorobenzene	ND	56	1		02/08/01 23:31	S_G	563040
1,4-Dichlorobenzene	ND	56	1		02/08/01 23:31	S_G	563040
2,4,5-Trichlorophenol	ND	1900	1		02/08/01 23:31	S_G	563040
2,4,6-Trichlorophenol	ND	370	1		02/08/01 23:31	S_G	563040
2,4-Dichlorophenol	ND	370	1		02/08/01 23:31	S_G	563040
2,4-Dimethylphenol	ND	370	1		02/08/01 23:31	S_G	563040
2,4-Dinitrophenol	ND	1900	1		02/08/01 23:31	S_G	563040
2,4-Dinitrotoluene	ND	370	1		02/08/01 23:31	S_G	563040
2,6-Dinitrotoluene	ND	370	1		02/08/01 23:31	S_G	563040
2-Chloronaphthalene	ND	370	1		02/08/01 23:31	S_G	563040
2-Chlorophenol	ND	370	1		02/08/01 23:31	S_G	563040
2-Methylnaphthalene	ND	370	1		02/08/01 23:31	S_G	563040
2-Nitroaniline	ND	1900	1		02/08/01 23:31	S_G	563040
2-Nitrophenol	ND	1900	1		02/08/01 23:31	S_G	563040
3,3'-Dichlorobenzidine	ND	2200	1		02/08/01 23:31	S_G	563040
3-Nitroaniline	ND	1900	1		02/08/01 23:31	S_G	563040
4,6-Dinitro-2-methylphenol	ND	1900	1		02/08/01 23:31	S_G	563040
4-Bromophenyl phenyl ether	ND	370	1		02/08/01 23:31	S_G	563040
4-Chloro-3-methylphenol	ND	1500	1		02/08/01 23:31	S_G	563040
4-Chloroaniline	ND	370	1		02/08/01 23:31	S_G	563040
4-Chlorophenyl phenyl ether	ND	370	1		02/08/01 23:31	S_G	563040
4-Nitroaniline	ND	1900	1		02/08/01 23:31	S_G	563040
4-Nitrophenol	ND	900	1		02/08/01 23:31	S_G	563040
Acenaphthene	ND	370	1		02/08/01 23:31	S_G	563040
Acenaphthylene	ND	370	1		02/08/01 23:31	S_G	563040
Anthracene	ND	370	1		02/08/01 23:31	S_G	563040
Benz(a)anthracene	ND	370	1		02/08/01 23:31	S_G	563040
Benzo(a)pyrene	ND	370	1		02/08/01 23:31	S_G	563040
Benzo(b)fluoranthene	ND	370	1		02/08/01 23:31	S_G	563040
Benzo(g,h,i)perylene	ND	370	1		02/08/01 23:31	S_G	563040
Benzo(k)fluoranthene	ND	370	1		02/08/01 23:31	S_G	563040
Bis(2-chloroethoxy)methane	ND	370	1		02/08/01 23:31	S_G	563040
Bis(2-chloroethyl)ether	ND	370	1		02/08/01 23:31	S_G	563040
Bis(2-chloroisopropyl)ether	ND	370	1		02/08/01 23:31	S_G	563040
Bis(2-ethylhexyl)phthalate	ND	370	1		02/08/01 23:31	S_G	563040
Butyl benzyl phthalate	ND	370	1		02/08/01 23:31	S_G	563040
Carbazole	ND	370	1		02/08/01 23:31	S_G	563040
Chrysene	ND	370	1		02/08/01 23:31	S_G	563040

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020301-LP-32 **Collected:** 2/3/01 4:25:00 P **SPL Sample ID:** 01020169-13

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/08/01 23:31	S_G	563040
Di-n-octyl phthalate	ND		370	1		02/08/01 23:31	S_G	563040
Dibenz(a,h)anthracene	ND		370	1		02/08/01 23:31	S_G	563040
Dibenzofuran	ND		370	1		02/08/01 23:31	S_G	563040
Diethyl phthalate	ND		370	1		02/08/01 23:31	S_G	563040
Dimethyl phthalate	ND		370	1		02/08/01 23:31	S_G	563040
Fluoranthene	ND		370	1		02/08/01 23:31	S_G	563040
Fluorene	ND		370	1		02/08/01 23:31	S_G	563040
Hexachlorobenzene	2500		370	1		02/08/01 23:31	S_G	563040
Hexachlorobutadiene	2800		370	1		02/08/01 23:31	S_G	563040
Hexachlorocyclopentadiene	ND		370	1		02/08/01 23:31	S_G	563040
Hexachloroethane	1300		110	1		02/08/01 23:31	S_G	563040
Indeno(1,2,3-cd)pyrene	ND		370	1		02/08/01 23:31	S_G	563040
Isophorone	ND		370	1		02/08/01 23:31	S_G	563040
N-Nitrosodi-n-propylamine	ND		370	1		02/08/01 23:31	S_G	563040
N-Nitrosodiphenylamine	ND		370	1		02/08/01 23:31	S_G	563040
Naphthalene	ND		370	1		02/08/01 23:31	S_G	563040
Nitrobenzene	ND		370	1		02/08/01 23:31	S_G	563040
Pentachlorophenol	ND		3800	1		02/08/01 23:31	S_G	563040
Phenanthrene	ND		370	1		02/08/01 23:31	S_G	563040
Phenol	ND		370	1		02/08/01 23:31	S_G	563040
Pyrene	ND		370	1		02/08/01 23:31	S_G	563040
2-Methylphenol	ND		370	1		02/08/01 23:31	S_G	563040
3 & 4-Methylphenol	ND		370	1		02/08/01 23:31	S_G	563040
Surr: 2,4,6-Tribromophenol	92.0	%	19-122	1		02/08/01 23:31	S_G	563040
Surr: 2-Fluorobiphenyl	94.1	%	30-115	1		02/08/01 23:31	S_G	563040
Surr: 2-Fluorophenol	76.0	%	25-121	1		02/08/01 23:31	S_G	563040
Surr: Nitrobenzene-d5	82.4	%	23-120	1		02/08/01 23:31	S_G	563040
Surr: Phenol-d5	80.0	%	24-113	1		02/08/01 23:31	S_G	563040
Surr: Terphenyl-d14	118	%	18-137	1		02/08/01 23:31	S_G	563040

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

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D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-33 **Collected:** 2/4/01 8:35:00 A **SPL Sample ID:** 01020169-14

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	14.9	0		1		02/06/01 16:00	KM	557629

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-33 **Collected:** 2/4/01 8:35:00 A **SPL Sample ID:** 01020169-14

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/09/01 0:05	S_G	563042
1,2-Dichlorobenzene	ND	59	1		02/09/01 0:05	S_G	563042
1,3-Dichlorobenzene	ND	59	1		02/09/01 0:05	S_G	563042
1,4-Dichlorobenzene	ND	59	1		02/09/01 0:05	S_G	563042
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 0:05	S_G	563042
2,4,6-Trichlorophenol	ND	390	1		02/09/01 0:05	S_G	563042
2,4-Dichlorophenol	ND	390	1		02/09/01 0:05	S_G	563042
2,4-Dimethylphenol	ND	390	1		02/09/01 0:05	S_G	563042
2,4-Dinitrophenol	ND	2000	1		02/09/01 0:05	S_G	563042
2,4-Dinitrotoluene	ND	390	1		02/09/01 0:05	S_G	563042
2,6-Dinitrotoluene	ND	390	1		02/09/01 0:05	S_G	563042
2-Chloronaphthalene	ND	390	1		02/09/01 0:05	S_G	563042
2-Chlorophenol	ND	390	1		02/09/01 0:05	S_G	563042
2-Methylnaphthalene	ND	390	1		02/09/01 0:05	S_G	563042
2-Nitroaniline	ND	2000	1		02/09/01 0:05	S_G	563042
2-Nitrophenol	ND	2000	1		02/09/01 0:05	S_G	563042
3,3'-Dichlorobenzidine	ND	2400	1		02/09/01 0:05	S_G	563042
3-Nitroaniline	ND	2000	1		02/09/01 0:05	S_G	563042
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 0:05	S_G	563042
4-Bromophenyl phenyl ether	ND	390	1		02/09/01 0:05	S_G	563042
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 0:05	S_G	563042
4-Chloroaniline	ND	390	1		02/09/01 0:05	S_G	563042
4-Chlorophenyl phenyl ether	ND	390	1		02/09/01 0:05	S_G	563042
4-Nitroaniline	ND	2000	1		02/09/01 0:05	S_G	563042
4-Nitrophenol	ND	940	1		02/09/01 0:05	S_G	563042
Acenaphthene	ND	390	1		02/09/01 0:05	S_G	563042
Acenaphthylene	ND	390	1		02/09/01 0:05	S_G	563042
Anthracene	ND	390	1		02/09/01 0:05	S_G	563042
Benz(a)anthracene	ND	390	1		02/09/01 0:05	S_G	563042
Benzo(a)pyrene	ND	390	1		02/09/01 0:05	S_G	563042
Benzo(b)fluoranthene	ND	390	1		02/09/01 0:05	S_G	563042
Benzo(g,h,i)perylene	ND	390	1		02/09/01 0:05	S_G	563042
Benzo(k)fluoranthene	ND	390	1		02/09/01 0:05	S_G	563042
Bis(2-chloroethoxy)methane	ND	390	1		02/09/01 0:05	S_G	563042
Bis(2-chloroethyl)ether	ND	390	1		02/09/01 0:05	S_G	563042
Bis(2-chloroisopropyl)ether	ND	390	1		02/09/01 0:05	S_G	563042
Bis(2-ethylhexyl)phthalate	ND	390	1		02/09/01 0:05	S_G	563042
Butyl benzyl phthalate	ND	390	1		02/09/01 0:05	S_G	563042
Carbazole	ND	390	1		02/09/01 0:05	S_G	563042
Chrysene	ND	390	1		02/09/01 0:05	S_G	563042

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-33 **Collected:** 2/4/01 8:35:00 A **SPL Sample ID:** 01020169-14

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/09/01 0:05	S_G	563042
Di-n-octyl phthalate	ND		390	1		02/09/01 0:05	S_G	563042
Dibenz(a,h)anthracene	ND		390	1		02/09/01 0:05	S_G	563042
Dibenzofuran	ND		390	1		02/09/01 0:05	S_G	563042
Diethyl phthalate	ND		390	1		02/09/01 0:05	S_G	563042
Dimethyl phthalate	ND		390	1		02/09/01 0:05	S_G	563042
Fluoranthene	ND		390	1		02/09/01 0:05	S_G	563042
Fluorene	ND		390	1		02/09/01 0:05	S_G	563042
Hexachlorobenzene	ND		390	1		02/09/01 0:05	S_G	563042
Hexachlorobutadiene	ND		390	1		02/09/01 0:05	S_G	563042
Hexachlorocyclopentadiene	ND		390	1		02/09/01 0:05	S_G	563042
Hexachloroethane	ND		120	1		02/09/01 0:05	S_G	563042
Indeno(1,2,3-cd)pyrene	ND		390	1		02/09/01 0:05	S_G	563042
Isophorone	ND		390	1		02/09/01 0:05	S_G	563042
N-Nitrosodi-n-propylamine	ND		390	1		02/09/01 0:05	S_G	563042
N-Nitrosodiphenylamine	ND		390	1		02/09/01 0:05	S_G	563042
Naphthalene	ND		390	1		02/09/01 0:05	S_G	563042
Nitrobenzene	ND		390	1		02/09/01 0:05	S_G	563042
Pentachlorophenol	ND		4000	1		02/09/01 0:05	S_G	563042
Phenanthrene	ND		390	1		02/09/01 0:05	S_G	563042
Phenol	ND		390	1		02/09/01 0:05	S_G	563042
Pyrene	ND		390	1		02/09/01 0:05	S_G	563042
2-Methylphenol	ND		390	1		02/09/01 0:05	S_G	563042
3 & 4-Methylphenol	ND		390	1		02/09/01 0:05	S_G	563042
Surr: 2,4,6-Tribromophenol	84.0	%	19-122	1		02/09/01 0:05	S_G	563042
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/09/01 0:05	S_G	563042
Surr: 2-Fluorophenol	72.0	%	25-121	1		02/09/01 0:05	S_G	563042
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/09/01 0:05	S_G	563042
Surr: Phenol-d5	72.0	%	24-113	1		02/09/01 0:05	S_G	563042
Surr: Terphenyl-d14	129	%	18-137	1		02/09/01 0:05	S_G	563042

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-34 Collected: 2/4/01 8:40:00 A SPL Sample ID: 01020169-15

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	19.2	0		1		02/06/01 16:00	KM	557630

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-34 **Collected:** 2/4/01 8:40:00 A **SPL Sample ID:** 01020169-15

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	410	1		02/09/01 19:08	S_G	563092
1,2-Dichlorobenzene	ND	62	1		02/09/01 19:08	S_G	563092
1,3-Dichlorobenzene	ND	62	1		02/09/01 19:08	S_G	563092
1,4-Dichlorobenzene	ND	62	1		02/09/01 19:08	S_G	563092
2,4,5-Trichlorophenol	ND	2100	1		02/09/01 19:08	S_G	563092
2,4,6-Trichlorophenol	ND	410	1		02/09/01 19:08	S_G	563092
2,4-Dichlorophenol	ND	410	1		02/09/01 19:08	S_G	563092
2,4-Dimethylphenol	ND	410	1		02/09/01 19:08	S_G	563092
2,4-Dinitrophenol	ND	2100	1		02/09/01 19:08	S_G	563092
2,4-Dinitrotoluene	ND	410	1		02/09/01 19:08	S_G	563092
2,6-Dinitrotoluene	ND	410	1		02/09/01 19:08	S_G	563092
2-Chloronaphthalene	ND	410	1		02/09/01 19:08	S_G	563092
2-Chlorophenol	ND	410	1		02/09/01 19:08	S_G	563092
2-Methylnaphthalene	ND	410	1		02/09/01 19:08	S_G	563092
2-Nitroaniline	ND	2100	1		02/09/01 19:08	S_G	563092
2-Nitrophenol	ND	2100	1		02/09/01 19:08	S_G	563092
3,3'-Dichlorobenzidine	ND	2500	1		02/09/01 19:08	S_G	563092
3-Nitroaniline	ND	2100	1		02/09/01 19:08	S_G	563092
4,6-Dinitro-2-methylphenol	ND	2100	1		02/09/01 19:08	S_G	563092
4-Bromophenyl phenyl ether	ND	410	1		02/09/01 19:08	S_G	563092
4-Chloro-3-methylphenol	ND	1600	1		02/09/01 19:08	S_G	563092
4-Chloroaniline	ND	410	1		02/09/01 19:08	S_G	563092
4-Chlorophenyl phenyl ether	ND	410	1		02/09/01 19:08	S_G	563092
4-Nitroaniline	ND	2100	1		02/09/01 19:08	S_G	563092
4-Nitrophenol	ND	990	1		02/09/01 19:08	S_G	563092
Acenaphthene	ND	410	1		02/09/01 19:08	S_G	563092
Acenaphthylene	ND	410	1		02/09/01 19:08	S_G	563092
Anthracene	ND	410	1		02/09/01 19:08	S_G	563092
Benz(a)anthracene	ND	410	1		02/09/01 19:08	S_G	563092
Benzo(a)pyrene	ND	410	1		02/09/01 19:08	S_G	563092
Benzo(b)fluoranthene	ND	410	1		02/09/01 19:08	S_G	563092
Benzo(g,h,i)perylene	ND	410	1		02/09/01 19:08	S_G	563092
Benzo(k)fluoranthene	ND	410	1		02/09/01 19:08	S_G	563092
Bis(2-chloroethoxy)methane	ND	410	1		02/09/01 19:08	S_G	563092
Bis(2-chloroethyl)ether	ND	410	1		02/09/01 19:08	S_G	563092
Bis(2-chloroisopropyl)ether	ND	410	1		02/09/01 19:08	S_G	563092
Bis(2-ethylhexyl)phthalate	ND	410	1		02/09/01 19:08	S_G	563092
Butyl benzyl phthalate	ND	410	1		02/09/01 19:08	S_G	563092
Carbazole	ND	410	1		02/09/01 19:08	S_G	563092
Chrysene	ND	410	1		02/09/01 19:08	S_G	563092

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-34 **Collected:** 2/4/01 8:40:00 A **SPL Sample ID:** 01020169-15

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		410	1		02/09/01 19:08	S_G	563092
Di-n-octyl phthalate	ND		410	1		02/09/01 19:08	S_G	563092
Dibenz(a,h)anthracene	ND		410	1		02/09/01 19:08	S_G	563092
Dibenzofuran	ND		410	1		02/09/01 19:08	S_G	563092
Diethyl phthalate	ND		410	1		02/09/01 19:08	S_G	563092
Dimethyl phthalate	ND		410	1		02/09/01 19:08	S_G	563092
Fluoranthene	ND		410	1		02/09/01 19:08	S_G	563092
Fluorene	ND		410	1		02/09/01 19:08	S_G	563092
Hexachlorobenzene	ND		410	1		02/09/01 19:08	S_G	563092
Hexachlorobutadiene	ND		410	1		02/09/01 19:08	S_G	563092
Hexachlorocyclopentadiene	ND		410	1		02/09/01 19:08	S_G	563092
Hexachloroethane	ND		120	1		02/09/01 19:08	S_G	563092
Indeno(1,2,3-cd)pyrene	ND		410	1		02/09/01 19:08	S_G	563092
Isophorone	ND		410	1		02/09/01 19:08	S_G	563092
N-Nitrosodi-n-propylamine	ND		410	1		02/09/01 19:08	S_G	563092
N-Nitrosodiphenylamine	ND		410	1		02/09/01 19:08	S_G	563092
Naphthalene	ND		410	1		02/09/01 19:08	S_G	563092
Nitrobenzene	ND		410	1		02/09/01 19:08	S_G	563092
Pentachlorophenol	ND		4200	1		02/09/01 19:08	S_G	563092
Phenanthrene	ND		410	1		02/09/01 19:08	S_G	563092
Phenol	ND		410	1		02/09/01 19:08	S_G	563092
Pyrene	ND		410	1		02/09/01 19:08	S_G	563092
2-Methylphenol	ND		410	1		02/09/01 19:08	S_G	563092
3 & 4-Methylphenol	ND		410	1		02/09/01 19:08	S_G	563092
Surr: 2,4,6-Tribromophenol	76.0	%	19-122	1		02/09/01 19:08	S_G	563092
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		02/09/01 19:08	S_G	563092
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/09/01 19:08	S_G	563092
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/09/01 19:08	S_G	563092
Surr: Phenol-d5	68.0	%	24-113	1		02/09/01 19:08	S_G	563092
Surr: Terphenyl-d14	94.1	%	18-137	1		02/09/01 19:08	S_G	563092

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-35 **Collected:** 2/4/01 9:40:00 A **SPL Sample ID:** 01020169-16

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	15.9	0	1		02/06/01 16:00	KM	557631

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-35 Collected: 2/4/01 9:40:00 A SPL Sample ID: 01020169-16

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		MCL	SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	390	1		02/09/01 11:19	S_G	562113
1,2-Dichlorobenzene	ND	59	1		02/09/01 11:19	S_G	562113
1,3-Dichlorobenzene	ND	59	1		02/09/01 11:19	S_G	562113
1,4-Dichlorobenzene	ND	59	1		02/09/01 11:19	S_G	562113
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 11:19	S_G	562113
2,4,6-Trichlorophenol	ND	390	1		02/09/01 11:19	S_G	562113
2,4-Dichlorophenol	ND	390	1		02/09/01 11:19	S_G	562113
2,4-Dimethylphenol	ND	390	1		02/09/01 11:19	S_G	562113
2,4-Dinitrophenol	ND	2000	1		02/09/01 11:19	S_G	562113
2,4-Dinitrotoluene	ND	390	1		02/09/01 11:19	S_G	562113
2,6-Dinitrotoluene	ND	390	1		02/09/01 11:19	S_G	562113
2-Chloronaphthalene	ND	390	1		02/09/01 11:19	S_G	562113
2-Chlorophenol	ND	390	1		02/09/01 11:19	S_G	562113
2-Methylnaphthalene	ND	390	1		02/09/01 11:19	S_G	562113
2-Nitroaniline	ND	2000	1		02/09/01 11:19	S_G	562113
2-Nitrophenol	ND	2000	1		02/09/01 11:19	S_G	562113
3,3'-Dichlorobenzidine	ND	2400	1		02/09/01 11:19	S_G	562113
3-Nitroaniline	ND	2000	1		02/09/01 11:19	S_G	562113
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 11:19	S_G	562113
4-Bromophenyl phenyl ether	ND	390	1		02/09/01 11:19	S_G	562113
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 11:19	S_G	562113
4-Chloroaniline	ND	390	1		02/09/01 11:19	S_G	562113
4-Chlorophenyl phenyl ether	ND	390	1		02/09/01 11:19	S_G	562113
4-Nitroaniline	ND	2000	1		02/09/01 11:19	S_G	562113
4-Nitrophenol	ND	950	1		02/09/01 11:19	S_G	562113
Acenaphthene	ND	390	1		02/09/01 11:19	S_G	562113
Acenaphthylene	ND	390	1		02/09/01 11:19	S_G	562113
Anthracene	ND	390	1		02/09/01 11:19	S_G	562113
Benz(a)anthracene	ND	390	1		02/09/01 11:19	S_G	562113
Benzo(a)pyrene	ND	390	1		02/09/01 11:19	S_G	562113
Benzo(b)fluoranthene	ND	390	1		02/09/01 11:19	S_G	562113
Benzo(g,h,i)perylene	ND	390	1		02/09/01 11:19	S_G	562113
Benzo(k)fluoranthene	ND	390	1		02/09/01 11:19	S_G	562113
Bis(2-chloroethoxy)methane	ND	390	1		02/09/01 11:19	S_G	562113
Bis(2-chloroethyl)ether	ND	390	1		02/09/01 11:19	S_G	562113
Bis(2-chloroisopropyl)ether	ND	390	1		02/09/01 11:19	S_G	562113
Bis(2-ethylhexyl)phthalate	ND	390	1		02/09/01 11:19	S_G	562113
Butyl benzyl phthalate	ND	390	1		02/09/01 11:19	S_G	562113
Carbazole	ND	390	1		02/09/01 11:19	S_G	562113
Chrysene	ND	390	1		02/09/01 11:19	S_G	562113

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-35 **Collected:** 2/4/01 9:40:00 A **SPL Sample ID:** 01020169-16

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/09/01 11:19	S_G	562113
Di-n-octyl phthalate	ND		390	1		02/09/01 11:19	S_G	562113
Dibenz(a,h)anthracene	ND		390	1		02/09/01 11:19	S_G	562113
Dibenzofuran	ND		390	1		02/09/01 11:19	S_G	562113
Diethyl phthalate	ND		390	1		02/09/01 11:19	S_G	562113
Dimethyl phthalate	ND		390	1		02/09/01 11:19	S_G	562113
Fluoranthene	ND		390	1		02/09/01 11:19	S_G	562113
Fluorene	ND		390	1		02/09/01 11:19	S_G	562113
Hexachlorobenzene	ND		390	1		02/09/01 11:19	S_G	562113
Hexachlorobutadiene	ND		390	1		02/09/01 11:19	S_G	562113
Hexachlorocyclopentadiene	ND		390	1		02/09/01 11:19	S_G	562113
Hexachloroethane	ND		120	1		02/09/01 11:19	S_G	562113
Indeno(1,2,3-cd)pyrene	ND		390	1		02/09/01 11:19	S_G	562113
Isophorone	ND		390	1		02/09/01 11:19	S_G	562113
N-Nitrosodi-n-propylamine	ND		390	1		02/09/01 11:19	S_G	562113
N-Nitrosodiphenylamine	ND		390	1		02/09/01 11:19	S_G	562113
Naphthalene	ND		390	1		02/09/01 11:19	S_G	562113
Nitrobenzene	ND		390	1		02/09/01 11:19	S_G	562113
Pentachlorophenol	ND		4000	1		02/09/01 11:19	S_G	562113
Phenanthrene	ND		390	1		02/09/01 11:19	S_G	562113
Phenol	ND		390	1		02/09/01 11:19	S_G	562113
Pyrene	ND		390	1		02/09/01 11:19	S_G	562113
2-Methylphenol	ND		390	1		02/09/01 11:19	S_G	562113
3 & 4-Methylphenol	ND		390	1		02/09/01 11:19	S_G	562113
Surr: 2,4,6-Tribromophenol	76.0	%	19-122	1		02/09/01 11:19	S_G	562113
Surr: 2-Fluorobiphenyl	94.1	%	30-115	1		02/09/01 11:19	S_G	562113
Surr: 2-Fluorophenol	80.0	%	25-121	1		02/09/01 11:19	S_G	562113
Surr: Nitrobenzene-d5	82.4	%	23-120	1		02/09/01 11:19	S_G	562113
Surr: Phenol-d5	72.0	%	24-113	1		02/09/01 11:19	S_G	562113
Surr: Terphenyl-d14	88.2	%	18-137	1		02/09/01 11:19	S_G	562113

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-36 **Collected:** 2/4/01 10:15:00 **SPL Sample ID:** 01020169-17

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	15	0		1		02/06/01 16:00	KM	557632

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-36 **Collected:** 2/4/01 10:15:00 **SPL Sample ID:** 01020169-17

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/09/01 11:52	S_G	562114
1,2-Dichlorobenzene	ND	59	1		02/09/01 11:52	S_G	562114
1,3-Dichlorobenzene	ND	59	1		02/09/01 11:52	S_G	562114
1,4-Dichlorobenzene	ND	59	1		02/09/01 11:52	S_G	562114
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 11:52	S_G	562114
2,4,6-Trichlorophenol	ND	390	1		02/09/01 11:52	S_G	562114
2,4-Dichlorophenol	ND	390	1		02/09/01 11:52	S_G	562114
2,4-Dimethylphenol	ND	390	1		02/09/01 11:52	S_G	562114
2,4-Dinitrophenol	ND	2000	1		02/09/01 11:52	S_G	562114
2,4-Dinitrotoluene	ND	390	1		02/09/01 11:52	S_G	562114
2,6-Dinitrotoluene	ND	390	1		02/09/01 11:52	S_G	562114
2-Chloronaphthalene	ND	390	1		02/09/01 11:52	S_G	562114
2-Chlorophenol	ND	390	1		02/09/01 11:52	S_G	562114
2-Methylnaphthalene	ND	390	1		02/09/01 11:52	S_G	562114
2-Nitroaniline	ND	2000	1		02/09/01 11:52	S_G	562114
2-Nitrophenol	ND	2000	1		02/09/01 11:52	S_G	562114
3,3'-Dichlorobenzidine	ND	2400	1		02/09/01 11:52	S_G	562114
3-Nitroaniline	ND	2000	1		02/09/01 11:52	S_G	562114
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 11:52	S_G	562114
4-Bromophenyl phenyl ether	ND	390	1		02/09/01 11:52	S_G	562114
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 11:52	S_G	562114
4-Chloroaniline	ND	390	1		02/09/01 11:52	S_G	562114
4-Chlorophenyl phenyl ether	ND	390	1		02/09/01 11:52	S_G	562114
4-Nitroaniline	ND	2000	1		02/09/01 11:52	S_G	562114
4-Nitrophenol	ND	940	1		02/09/01 11:52	S_G	562114
Acenaphthene	ND	390	1		02/09/01 11:52	S_G	562114
Acenaphthylene	ND	390	1		02/09/01 11:52	S_G	562114
Anthracene	ND	390	1		02/09/01 11:52	S_G	562114
Benz(a)anthracene	ND	390	1		02/09/01 11:52	S_G	562114
Benzo(a)pyrene	ND	390	1		02/09/01 11:52	S_G	562114
Benzo(b)fluoranthene	ND	390	1		02/09/01 11:52	S_G	562114
Benzo(g,h,i)perylene	ND	390	1		02/09/01 11:52	S_G	562114
Benzo(k)fluoranthene	ND	390	1		02/09/01 11:52	S_G	562114
Bis(2-chloroethoxy)methane	ND	390	1		02/09/01 11:52	S_G	562114
Bis(2-chloroethyl)ether	ND	390	1		02/09/01 11:52	S_G	562114
Bis(2-chloroisopropyl)ether	ND	390	1		02/09/01 11:52	S_G	562114
Bis(2-ethylhexyl)phthalate	ND	390	1		02/09/01 11:52	S_G	562114
Butyl benzyl phthalate	ND	390	1		02/09/01 11:52	S_G	562114
Carbazole	ND	390	1		02/09/01 11:52	S_G	562114
Chrysene	ND	390	1		02/09/01 11:52	S_G	562114

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-36 **Collected:** 2/4/01 10:15:00 **SPL Sample ID:** 01020169-17

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/09/01 11:52	S_G	562114
Di-n-octyl phthalate	ND		390	1		02/09/01 11:52	S_G	562114
Dibenz(a,h)anthracene	ND		390	1		02/09/01 11:52	S_G	562114
Dibenzofuran	ND		390	1		02/09/01 11:52	S_G	562114
Diethyl phthalate	ND		390	1		02/09/01 11:52	S_G	562114
Dimethyl phthalate	ND		390	1		02/09/01 11:52	S_G	562114
Fluoranthene	ND		390	1		02/09/01 11:52	S_G	562114
Fluorene	ND		390	1		02/09/01 11:52	S_G	562114
Hexachlorobenzene	ND		390	1		02/09/01 11:52	S_G	562114
Hexachlorobutadiene	ND		390	1		02/09/01 11:52	S_G	562114
Hexachlorocyclopentadiene	ND		390	1		02/09/01 11:52	S_G	562114
Hexachloroethane	ND		120	1		02/09/01 11:52	S_G	562114
Indeno(1,2,3-cd)pyrene	ND		390	1		02/09/01 11:52	S_G	562114
Isophorone	ND		390	1		02/09/01 11:52	S_G	562114
N-Nitrosodi-n-propylamine	ND		390	1		02/09/01 11:52	S_G	562114
N-Nitrosodiphenylamine	ND		390	1		02/09/01 11:52	S_G	562114
Naphthalene	ND		390	1		02/09/01 11:52	S_G	562114
Nitrobenzene	ND		390	1		02/09/01 11:52	S_G	562114
Pentachlorophenol	ND		4000	1		02/09/01 11:52	S_G	562114
Phenanthrene	ND		390	1		02/09/01 11:52	S_G	562114
Phenol	ND		390	1		02/09/01 11:52	S_G	562114
Pyrene	ND		390	1		02/09/01 11:52	S_G	562114
2-Methylphenol	ND		390	1		02/09/01 11:52	S_G	562114
3 & 4-Methylphenol	ND		390	1		02/09/01 11:52	S_G	562114
Surr: 2,4,6-Tribromophenol	72.0	%	19-122	1		02/09/01 11:52	S_G	562114
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/09/01 11:52	S_G	562114
Surr: 2-Fluorophenol	64.0	%	25-121	1		02/09/01 11:52	S_G	562114
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/09/01 11:52	S_G	562114
Surr: Phenol-d5	56.0	%	24-113	1		02/09/01 11:52	S_G	562114
Surr: Terphenyl-d14	88.2	%	18-137	1		02/09/01 11:52	S_G	562114

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers: ND/U - Not Detected at the Reporting Limit; B - Analyte detected in the associated Method Blank; * - Surrogate Recovery Outside Advisable QC Limits; J - Estimated Value between MDL and PQL; >MCL - Result Over Maximum Contamination Limit(MCL); D - Surrogate Recovery Unreportable due to Dilution; MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-37 **Collected:** 2/4/01 10:45:00 **SPL Sample ID:** 01020169-18

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	11.9	0	1		02/06/01 16:00	KM	557633

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-37 **Collected:** 2/4/01 10:45:00 **SPL Sample ID:** 01020169-18

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370	1		02/09/01 12:26	S_G	562115
1,2-Dichlorobenzene	ND	57	1		02/09/01 12:26	S_G	562115
1,3-Dichlorobenzene	ND	57	1		02/09/01 12:26	S_G	562115
1,4-Dichlorobenzene	ND	57	1		02/09/01 12:26	S_G	562115
2,4,5-Trichlorophenol	ND	1900	1		02/09/01 12:26	S_G	562115
2,4,6-Trichlorophenol	ND	370	1		02/09/01 12:26	S_G	562115
2,4-Dichlorophenol	ND	370	1		02/09/01 12:26	S_G	562115
2,4-Dimethylphenol	ND	370	1		02/09/01 12:26	S_G	562115
2,4-Dinitrophenol	ND	1900	1		02/09/01 12:26	S_G	562115
2,4-Dinitrotoluene	ND	370	1		02/09/01 12:26	S_G	562115
2,6-Dinitrotoluene	ND	370	1		02/09/01 12:26	S_G	562115
2-Chloronaphthalene	ND	370	1		02/09/01 12:26	S_G	562115
2-Chlorophenol	ND	370	1		02/09/01 12:26	S_G	562115
2-Methylnaphthalene	ND	370	1		02/09/01 12:26	S_G	562115
2-Nitroaniline	ND	1900	1		02/09/01 12:26	S_G	562115
2-Nitrophenol	ND	1900	1		02/09/01 12:26	S_G	562115
3,3'-Dichlorobenzidine	ND	2300	1		02/09/01 12:26	S_G	562115
3-Nitroaniline	ND	1900	1		02/09/01 12:26	S_G	562115
4,6-Dinitro-2-methylphenol	ND	1900	1		02/09/01 12:26	S_G	562115
4-Bromophenyl phenyl ether	ND	370	1		02/09/01 12:26	S_G	562115
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 12:26	S_G	562115
4-Chloroaniline	ND	370	1		02/09/01 12:26	S_G	562115
4-Chlorophenyl phenyl ether	ND	370	1		02/09/01 12:26	S_G	562115
4-Nitroaniline	ND	1900	1		02/09/01 12:26	S_G	562115
4-Nitrophenol	ND	910	1		02/09/01 12:26	S_G	562115
Acenaphthene	ND	370	1		02/09/01 12:26	S_G	562115
Acenaphthylene	ND	370	1		02/09/01 12:26	S_G	562115
Anthracene	ND	370	1		02/09/01 12:26	S_G	562115
Benzo(a)anthracene	ND	370	1		02/09/01 12:26	S_G	562115
Benzo(a)pyrene	ND	370	1		02/09/01 12:26	S_G	562115
Benzo(b)fluoranthene	ND	370	1		02/09/01 12:26	S_G	562115
Benzo(g,h,i)perylene	ND	370	1		02/09/01 12:26	S_G	562115
Benzo(k)fluoranthene	ND	370	1		02/09/01 12:26	S_G	562115
Bis(2-chloroethoxy)methane	ND	370	1		02/09/01 12:26	S_G	562115
Bis(2-chloroethyl)ether	ND	370	1		02/09/01 12:26	S_G	562115
Bis(2-chloroisopropyl)ether	ND	370	1		02/09/01 12:26	S_G	562115
Bis(2-ethylhexyl)phthalate	ND	370	1		02/09/01 12:26	S_G	562115
Butyl benzyl phthalate	ND	370	1		02/09/01 12:26	S_G	562115
Carbazole	ND	370	1		02/09/01 12:26	S_G	562115
Chrysene	ND	370	1		02/09/01 12:26	S_G	562115

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-37 **Collected:** 2/4/01 10:45:00 **SPL Sample ID:** 01020169-18

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/09/01 12:26	S_G	562115
Di-n-octyl phthalate	ND		370	1		02/09/01 12:26	S_G	562115
Dibenz(a,h)anthracene	ND		370	1		02/09/01 12:26	S_G	562115
Dibenzofuran	ND		370	1		02/09/01 12:26	S_G	562115
Diethyl phthalate	ND		370	1		02/09/01 12:26	S_G	562115
Dimethyl phthalate	ND		370	1		02/09/01 12:26	S_G	562115
Fluoranthene	ND		370	1		02/09/01 12:26	S_G	562115
Fluorene	ND		370	1		02/09/01 12:26	S_G	562115
Hexachlorobenzene	ND		370	1		02/09/01 12:26	S_G	562115
Hexachlorobutadiene	ND		370	1		02/09/01 12:26	S_G	562115
Hexachlorocyclopentadiene	ND		370	1		02/09/01 12:26	S_G	562115
Hexachloroethane	ND		110	1		02/09/01 12:26	S_G	562115
Indeno(1,2,3-cd)pyrene	ND		370	1		02/09/01 12:26	S_G	562115
Isophorone	ND		370	1		02/09/01 12:26	S_G	562115
N-Nitrosodi-n-propylamine	ND		370	1		02/09/01 12:26	S_G	562115
N-Nitrosodiphenylamine	ND		370	1		02/09/01 12:26	S_G	562115
Naphthalene	ND		370	1		02/09/01 12:26	S_G	562115
Nitrobenzene	ND		370	1		02/09/01 12:26	S_G	562115
Pentachlorophenol	ND		3900	1		02/09/01 12:26	S_G	562115
Phenanthrene	ND		370	1		02/09/01 12:26	S_G	562115
Phenol	ND		370	1		02/09/01 12:26	S_G	562115
Pyrene	ND		370	1		02/09/01 12:26	S_G	562115
2-Methylphenol	ND		370	1		02/09/01 12:26	S_G	562115
3 & 4-Methylphenol	ND		370	1		02/09/01 12:26	S_G	562115
Surr: 2,4,6-Tribromophenol	60.0	%	19-122	1		02/09/01 12:26	S_G	562115
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		02/09/01 12:26	S_G	562115
Surr: 2-Fluorophenol	56.0	%	25-121	1		02/09/01 12:26	S_G	562115
Surr: Nitrobenzene-d5	58.8	%	23-120	1		02/09/01 12:26	S_G	562115
Surr: Phenol-d5	52.0	%	24-113	1		02/09/01 12:26	S_G	562115
Surr: Terphenyl-d14	82.4	%	18-137	1		02/09/01 12:26	S_G	562115

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 8:59	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-38 Collected: 2/4/01 11:55:00 SPL Sample ID: 01020169-19

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	12.4	0	1		02/06/01 16:00	KM	557613

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-38 **Collected:** 2/4/01 11:55:00 **SPL Sample ID:** 01020169-19

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	380	1		02/09/01 12:44	P_C	564122
1,2-Dichlorobenzene	ND	57	1		02/09/01 12:44	P_C	564122
1,3-Dichlorobenzene	ND	57	1		02/09/01 12:44	P_C	564122
1,4-Dichlorobenzene	ND	57	1		02/09/01 12:44	P_C	564122
2,4,5-Trichlorophenol	ND	1900	1		02/09/01 12:44	P_C	564122
2,4,6-Trichlorophenol	ND	380	1		02/09/01 12:44	P_C	564122
2,4-Dichlorophenol	ND	380	1		02/09/01 12:44	P_C	564122
2,4-Dimethylphenol	ND	380	1		02/09/01 12:44	P_C	564122
2,4-Dinitrophenol	ND	1900	1		02/09/01 12:44	P_C	564122
2,4-Dinitrotoluene	ND	380	1		02/09/01 12:44	P_C	564122
2,6-Dinitrotoluene	ND	380	1		02/09/01 12:44	P_C	564122
2-Chloronaphthalene	ND	380	1		02/09/01 12:44	P_C	564122
2-Chlorophenol	ND	380	1		02/09/01 12:44	P_C	564122
2-Methylnaphthalene	ND	380	1		02/09/01 12:44	P_C	564122
2-Nitroaniline	ND	1900	1		02/09/01 12:44	P_C	564122
2-Nitrophenol	ND	1900	1		02/09/01 12:44	P_C	564122
3,3'-Dichlorobenzidine	ND	2300	1		02/09/01 12:44	P_C	564122
3-Nitroaniline	ND	1900	1		02/09/01 12:44	P_C	564122
4,6-Dinitro-2-methylphenol	ND	1900	1		02/09/01 12:44	P_C	564122
4-Bromophenyl phenyl ether	ND	380	1		02/09/01 12:44	P_C	564122
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 12:44	P_C	564122
4-Chloroaniline	ND	380	1		02/09/01 12:44	P_C	564122
4-Chlorophenyl phenyl ether	ND	380	1		02/09/01 12:44	P_C	564122
4-Nitroaniline	ND	1900	1		02/09/01 12:44	P_C	564122
4-Nitrophenol	ND	910	1		02/09/01 12:44	P_C	564122
Acenaphthene	ND	380	1		02/09/01 12:44	P_C	564122
Acenaphthylene	ND	380	1		02/09/01 12:44	P_C	564122
Anthracene	ND	380	1		02/09/01 12:44	P_C	564122
Benz(a)anthracene	ND	380	1		02/09/01 12:44	P_C	564122
Benzo(a)pyrene	ND	380	1		02/09/01 12:44	P_C	564122
Benzo(b)fluoranthene	ND	380	1		02/09/01 12:44	P_C	564122
Benzo(g,h,i)perylene	ND	380	1		02/09/01 12:44	P_C	564122
Benzo(k)fluoranthene	ND	380	1		02/09/01 12:44	P_C	564122
Bis(2-chloroethoxy)methane	ND	380	1		02/09/01 12:44	P_C	564122
Bis(2-chloroethyl)ether	ND	380	1		02/09/01 12:44	P_C	564122
Bis(2-chloroisopropyl)ether	ND	380	1		02/09/01 12:44	P_C	564122
Bis(2-ethylhexyl)phthalate	ND	380	1		02/09/01 12:44	P_C	564122
Butyl benzyl phthalate	ND	380	1		02/09/01 12:44	P_C	564122
Carbazole	ND	380	1		02/09/01 12:44	P_C	564122
Chrysene	ND	380	1		02/09/01 12:44	P_C	564122

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-38 **Collected:** 2/4/01 11:55:00 **SPL Sample ID:** 01020169-19

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/09/01 12:44	P_C	564122
Di-n-octyl phthalate	ND		380	1		02/09/01 12:44	P_C	564122
Dibenz(a,h)anthracene	ND		380	1		02/09/01 12:44	P_C	564122
Dibenzofuran	ND		380	1		02/09/01 12:44	P_C	564122
Diethyl phthalate	ND		380	1		02/09/01 12:44	P_C	564122
Dimethyl phthalate	ND		380	1		02/09/01 12:44	P_C	564122
Fluoranthene	ND		380	1		02/09/01 12:44	P_C	564122
Fluorene	ND		380	1		02/09/01 12:44	P_C	564122
Hexachlorobenzene	ND		380	1		02/09/01 12:44	P_C	564122
Hexachlorobutadiene	ND		380	1		02/09/01 12:44	P_C	564122
Hexachlorocyclopentadiene	ND		380	1		02/09/01 12:44	P_C	564122
Hexachloroethane	ND		110	1		02/09/01 12:44	P_C	564122
Indeno(1,2,3-cd)pyrene	ND		380	1		02/09/01 12:44	P_C	564122
Isophorone	ND		380	1		02/09/01 12:44	P_C	564122
N-Nitrosodi-n-propylamine	ND		380	1		02/09/01 12:44	P_C	564122
N-Nitrosodiphenylamine	ND		380	1		02/09/01 12:44	P_C	564122
Naphthalene	ND		380	1		02/09/01 12:44	P_C	564122
Nitrobenzene	ND		380	1		02/09/01 12:44	P_C	564122
Pentachlorophenol	ND		3900	1		02/09/01 12:44	P_C	564122
Phenanthrene	ND		380	1		02/09/01 12:44	P_C	564122
Phenol	ND		380	1		02/09/01 12:44	P_C	564122
Pyrene	ND		380	1		02/09/01 12:44	P_C	564122
2-Methylphenol	ND		380	1		02/09/01 12:44	P_C	564122
3 & 4-Methylphenol	ND		380	1		02/09/01 12:44	P_C	564122
Surr: 2,4,6-Tribromophenol	72.0	%	19-122	1		02/09/01 12:44	P_C	564122
Surr: 2-Fluorobiphenyl	58.8	%	30-115	1		02/09/01 12:44	P_C	564122
Surr: 2-Fluorophenol	56.0	%	25-121	1		02/09/01 12:44	P_C	564122
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/09/01 12:44	P_C	564122
Surr: Phenol-d5	52.0	%	24-113	1		02/09/01 12:44	P_C	564122
Surr: Terphenyl-d14	76.5	%	18-137	1		02/09/01 12:44	P_C	564122

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-39 **Collected:** 2/4/01 12:25:00 **SPL Sample ID:** 01020169-20

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	19.8	0		1		02/06/01 16:00	KM	557634

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-39 | Collected: 2/4/01 12:25:00 | SPL Sample ID: 01020169-20

Site: #11676-10, DNAPL

Analytes/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		MCL	SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	410	1		02/09/01 14:34	P_C	563395
1,2-Dichlorobenzene	ND	62	1		02/09/01 14:34	P_C	563395
1,3-Dichlorobenzene	ND	62	1		02/09/01 14:34	P_C	563395
1,4-Dichlorobenzene	ND	62	1		02/09/01 14:34	P_C	563395
2,4,5-Trichlorophenol	ND	2100	1		02/09/01 14:34	P_C	563395
2,4,6-Trichlorophenol	ND	410	1		02/09/01 14:34	P_C	563395
2,4-Dichlorophenol	ND	410	1		02/09/01 14:34	P_C	563395
2,4-Dimethylphenol	ND	410	1		02/09/01 14:34	P_C	563395
2,4-Dinitrophenol	ND	2100	1		02/09/01 14:34	P_C	563395
2,4-Dinitrotoluene	ND	410	1		02/09/01 14:34	P_C	563395
2,6-Dinitrotoluene	ND	410	1		02/09/01 14:34	P_C	563395
2-Chloronaphthalene	ND	410	1		02/09/01 14:34	P_C	563395
2-Chlorophenol	ND	410	1		02/09/01 14:34	P_C	563395
2-Methylnaphthalene	ND	410	1		02/09/01 14:34	P_C	563395
2-Nitroaniline	ND	2100	1		02/09/01 14:34	P_C	563395
2-Nitrophenol	ND	2100	1		02/09/01 14:34	P_C	563395
3,3'-Dichlorobenzidine	ND	2500	1		02/09/01 14:34	P_C	563395
3-Nitroaniline	ND	2100	1		02/09/01 14:34	P_C	563395
4,6-Dinitro-2-methylphenol	ND	2100	1		02/09/01 14:34	P_C	563395
4-Bromophenyl phenyl ether	ND	410	1		02/09/01 14:34	P_C	563395
4-Chloro-3-methylphenol	ND	1600	1		02/09/01 14:34	P_C	563395
4-Chloroaniline	ND	410	1		02/09/01 14:34	P_C	563395
4-Chlorophenyl phenyl ether	ND	410	1		02/09/01 14:34	P_C	563395
4-Nitroaniline	ND	2100	1		02/09/01 14:34	P_C	563395
4-Nitrophenol	ND	1000	1		02/09/01 14:34	P_C	563395
Acenaphthene	ND	410	1		02/09/01 14:34	P_C	563395
Acenaphthylene	ND	410	1		02/09/01 14:34	P_C	563395
Anthracene	ND	410	1		02/09/01 14:34	P_C	563395
Benz(a)anthracene	ND	410	1		02/09/01 14:34	P_C	563395
Benzo(a)pyrene	ND	410	1		02/09/01 14:34	P_C	563395
Benzo(b)fluoranthene	ND	410	1		02/09/01 14:34	P_C	563395
Benzo(g,h,i)perylene	ND	410	1		02/09/01 14:34	P_C	563395
Benzo(k)fluoranthene	ND	410	1		02/09/01 14:34	P_C	563395
Bis(2-chloroethoxy)methane	ND	410	1		02/09/01 14:34	P_C	563395
Bis(2-chloroethyl)ether	ND	410	1		02/09/01 14:34	P_C	563395
Bis(2-chloroisopropyl)ether	ND	410	1		02/09/01 14:34	P_C	563395
Bis(2-ethylhexyl)phthalate	ND	410	1		02/09/01 14:34	P_C	563395
Butyl benzyl phthalate	ND	410	1		02/09/01 14:34	P_C	563395
Carbazole	ND	410	1		02/09/01 14:34	P_C	563395
Chrysene	ND	410	1		02/09/01 14:34	P_C	563395

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-39 **Collected:** 2/4/01 12:25:00 **SPL Sample ID:** 01020169-20

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		410	1		02/09/01 14:34	P_C	563395
Di-n-octyl phthalate	ND		410	1		02/09/01 14:34	P_C	563395
Dibenz(a,h)anthracene	ND		410	1		02/09/01 14:34	P_C	563395
Dibenzofuran	ND		410	1		02/09/01 14:34	P_C	563395
Diethyl phthalate	ND		410	1		02/09/01 14:34	P_C	563395
Dimethyl phthalate	ND		410	1		02/09/01 14:34	P_C	563395
Fluoranthene	ND		410	1		02/09/01 14:34	P_C	563395
Fluorene	ND		410	1		02/09/01 14:34	P_C	563395
Hexachlorobenzene	ND		410	1		02/09/01 14:34	P_C	563395
Hexachlorobutadiene	ND		410	1		02/09/01 14:34	P_C	563395
Hexachlorocyclopentadiene	ND		410	1		02/09/01 14:34	P_C	563395
Hexachloroethane	220		120	1		02/09/01 14:34	P_C	563395
Indeno(1,2,3-cd)pyrene	ND		410	1		02/09/01 14:34	P_C	563395
Isophorone	ND		410	1		02/09/01 14:34	P_C	563395
N-Nitrosodi-n-propylamine	ND		410	1		02/09/01 14:34	P_C	563395
N-Nitrosodiphenylamine	ND		410	1		02/09/01 14:34	P_C	563395
Naphthalene	ND		410	1		02/09/01 14:34	P_C	563395
Nitrobenzene	ND		410	1		02/09/01 14:34	P_C	563395
Pentachlorophenol	ND		4200	1		02/09/01 14:34	P_C	563395
Phenanthrene	ND		410	1		02/09/01 14:34	P_C	563395
Phenol	ND		410	1		02/09/01 14:34	P_C	563395
Pyrene	ND		410	1		02/09/01 14:34	P_C	563395
2-Methylphenol	ND		410	1		02/09/01 14:34	P_C	563395
3 & 4-Methylphenol	ND		410	1		02/09/01 14:34	P_C	563395
Surr: 2,4,6-Tribromophenol	76.0	%	19-122	1		02/09/01 14:34	P_C	563395
Surr: 2-Fluorobiphenyl	64.7	%	30-115	1		02/09/01 14:34	P_C	563395
Surr: 2-Fluorophenol	60.0	%	25-121	1		02/09/01 14:34	P_C	563395
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/09/01 14:34	P_C	563395
Surr: Phenol-d5	56.0	%	24-113	1		02/09/01 14:34	P_C	563395
Surr: Terphenyl-d14	76.5	%	18-137	1		02/09/01 14:34	P_C	563395

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-40 **Collected:** 2/4/01 2:30:00 P **SPL Sample ID:** 01020169-21

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	14.2	0		1		02/06/01 16:00	KM	557635

Qualifiers:
- ND/U - Not Detected at the Reporting Limit
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- * - Surrogate Recovery Outside Advisable QC Limits
- J - Estimated Value between MDL and PQL
- >MCL - Result Over Maximum Contamination Limit(MCL)
- D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-40 **Collected:** 2/4/01 2:30:00 P **SPL Sample ID:** 01020169-21

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	380	1		02/09/01 15:01	P_C	563397
1,2-Dichlorobenzene	ND	58	1		02/09/01 15:01	P_C	563397
1,3-Dichlorobenzene	ND	58	1		02/09/01 15:01	P_C	563397
1,4-Dichlorobenzene	ND	58	1		02/09/01 15:01	P_C	563397
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 15:01	P_C	563397
2,4,6-Trichlorophenol	ND	380	1		02/09/01 15:01	P_C	563397
2,4-Dichlorophenol	ND	380	1		02/09/01 15:01	P_C	563397
2,4-Dimethylphenol	ND	380	1		02/09/01 15:01	P_C	563397
2,4-Dinitrophenol	ND	2000	1		02/09/01 15:01	P_C	563397
2,4-Dinitrotoluene	ND	380	1		02/09/01 15:01	P_C	563397
2,6-Dinitrotoluene	ND	380	1		02/09/01 15:01	P_C	563397
2-Chloronaphthalene	ND	380	1		02/09/01 15:01	P_C	563397
2-Chlorophenol	ND	380	1		02/09/01 15:01	P_C	563397
2-Methylnaphthalene	ND	380	1		02/09/01 15:01	P_C	563397
2-Nitroaniline	ND	2000	1		02/09/01 15:01	P_C	563397
2-Nitrophenol	ND	2000	1		02/09/01 15:01	P_C	563397
3,3'-Dichlorobenzidine	ND	2300	1		02/09/01 15:01	P_C	563397
3-Nitroaniline	ND	2000	1		02/09/01 15:01	P_C	563397
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 15:01	P_C	563397
4-Bromophenyl phenyl ether	ND	380	1		02/09/01 15:01	P_C	563397
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 15:01	P_C	563397
4-Chloroaniline	ND	380	1		02/09/01 15:01	P_C	563397
4-Chlorophenyl phenyl ether	ND	380	1		02/09/01 15:01	P_C	563397
4-Nitroaniline	ND	2000	1		02/09/01 15:01	P_C	563397
4-Nitrophenol	ND	920	1		02/09/01 15:01	P_C	563397
Acenaphthene	ND	380	1		02/09/01 15:01	P_C	563397
Acenaphthylene	ND	380	1		02/09/01 15:01	P_C	563397
Anthracene	ND	380	1		02/09/01 15:01	P_C	563397
Benz(a)anthracene	ND	380	1		02/09/01 15:01	P_C	563397
Benzo(a)pyrene	ND	380	1		02/09/01 15:01	P_C	563397
Benzo(b)fluoranthene	ND	380	1		02/09/01 15:01	P_C	563397
Benzo(g,h,i)perylene	ND	380	1		02/09/01 15:01	P_C	563397
Benzo(k)fluoranthene	ND	380	1		02/09/01 15:01	P_C	563397
Bis(2-chloroethoxy)methane	ND	380	1		02/09/01 15:01	P_C	563397
Bis(2-chloroethyl)ether	ND	380	1		02/09/01 15:01	P_C	563397
Bis(2-chloroisopropyl)ether	ND	380	1		02/09/01 15:01	P_C	563397
Bis(2-ethylhexyl)phthalate	ND	380	1		02/09/01 15:01	P_C	563397
Butyl benzyl phthalate	ND	380	1		02/09/01 15:01	P_C	563397
Carbazole	ND	380	1		02/09/01 15:01	P_C	563397
Chrysene	ND	380	1		02/09/01 15:01	P_C	563397

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-40 Collected: 2/4/01 2:30:00 P SPL Sample ID: 01020169-21

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/09/01 15:01	P_C	563397
Di-n-octyl phthalate	ND		380	1		02/09/01 15:01	P_C	563397
Dibenz(a,h)anthracene	ND		380	1		02/09/01 15:01	P_C	563397
Dibenzofuran	ND		380	1		02/09/01 15:01	P_C	563397
Diethyl phthalate	ND		380	1		02/09/01 15:01	P_C	563397
Dimethyl phthalate	ND		380	1		02/09/01 15:01	P_C	563397
Fluoranthene	ND		380	1		02/09/01 15:01	P_C	563397
Fluorene	ND		380	1		02/09/01 15:01	P_C	563397
Hexachlorobenzene	ND		380	1		02/09/01 15:01	P_C	563397
Hexachlorobutadiene	ND		380	1		02/09/01 15:01	P_C	563397
Hexachlorocyclopentadiene	ND		380	1		02/09/01 15:01	P_C	563397
Hexachloroethane	ND		120	1		02/09/01 15:01	P_C	563397
Indeno(1,2,3-cd)pyrene	ND		380	1		02/09/01 15:01	P_C	563397
Isophorone	ND		380	1		02/09/01 15:01	P_C	563397
N-Nitrosodi-n-propylamine	ND		380	1		02/09/01 15:01	P_C	563397
N-Nitrosodiphenylamine	ND		380	1		02/09/01 15:01	P_C	563397
Naphthalene	ND		380	1		02/09/01 15:01	P_C	563397
Nitrobenzene	ND		380	1		02/09/01 15:01	P_C	563397
Pentachlorophenol	ND		3900	1		02/09/01 15:01	P_C	563397
Phenanthrene	ND		380	1		02/09/01 15:01	P_C	563397
Phenol	ND		380	1		02/09/01 15:01	P_C	563397
Pyrene	ND		380	1		02/09/01 15:01	P_C	563397
2-Methylphenol	ND		380	1		02/09/01 15:01	P_C	563397
3 & 4-Methylphenol	ND		380	1		02/09/01 15:01	P_C	563397
Surr: 2,4,6-Tribromophenol	76.0	%	19-122	1		02/09/01 15:01	P_C	563397
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		02/09/01 15:01	P_C	563397
Surr: 2-Fluorophenol	64.0	%	25-121	1		02/09/01 15:01	P_C	563397
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/09/01 15:01	P_C	563397
Surr: Phenol-d5	60.0	%	24-113	1		02/09/01 15:01	P_C	563397
Surr: Terphenyl-d14	82.4	%	18-137	1		02/09/01 15:01	P_C	563397

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-41 **Collected:** 2/4/01 3:25:00 P **SPL Sample ID:** 01020169-22

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	18.6	0	1		02/06/01 16:00	KM	557638

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-41 Collected: 2/4/01 3:25:00 P SPL Sample ID: 01020169-22

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		MCL	SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	410	1		02/09/01 15:29	P_C	563399
1,2-Dichlorobenzene	ND	61	1		02/09/01 15:29	P_C	563399
1,3-Dichlorobenzene	ND	61	1		02/09/01 15:29	P_C	563399
1,4-Dichlorobenzene	ND	61	1		02/09/01 15:29	P_C	563399
2,4,5-Trichlorophenol	ND	2100	1		02/09/01 15:29	P_C	563399
2,4,6-Trichlorophenol	ND	410	1		02/09/01 15:29	P_C	563399
2,4-Dichlorophenol	ND	410	1		02/09/01 15:29	P_C	563399
2,4-Dimethylphenol	ND	410	1		02/09/01 15:29	P_C	563399
2,4-Dinitrophenol	ND	2100	1		02/09/01 15:29	P_C	563399
2,4-Dinitrotoluene	ND	410	1		02/09/01 15:29	P_C	563399
2,6-Dinitrotoluene	ND	410	1		02/09/01 15:29	P_C	563399
2-Chloronaphthalene	ND	410	1		02/09/01 15:29	P_C	563399
2-Chlorophenol	ND	410	1		02/09/01 15:29	P_C	563399
2-Methylnaphthalene	ND	410	1		02/09/01 15:29	P_C	563399
2-Nitroaniline	ND	2100	1		02/09/01 15:29	P_C	563399
2-Nitrophenol	ND	2100	1		02/09/01 15:29	P_C	563399
3,3'-Dichlorobenzidine	ND	2500	1		02/09/01 15:29	P_C	563399
3-Nitroaniline	ND	2100	1		02/09/01 15:29	P_C	563399
4,6-Dinitro-2-methylphenol	ND	2100	1		02/09/01 15:29	P_C	563399
4-Bromophenyl phenyl ether	ND	410	1		02/09/01 15:29	P_C	563399
4-Chloro-3-methylphenol	ND	1600	1		02/09/01 15:29	P_C	563399
4-Chloroaniline	ND	410	1		02/09/01 15:29	P_C	563399
4-Chlorophenyl phenyl ether	ND	410	1		02/09/01 15:29	P_C	563399
4-Nitroaniline	ND	2100	1		02/09/01 15:29	P_C	563399
4-Nitrophenol	ND	980	1		02/09/01 15:29	P_C	563399
Acenaphthene	ND	410	1		02/09/01 15:29	P_C	563399
Acenaphthylene	ND	410	1		02/09/01 15:29	P_C	563399
Anthracene	ND	410	1		02/09/01 15:29	P_C	563399
Benz(a)anthracene	ND	410	1		02/09/01 15:29	P_C	563399
Benzo(a)pyrene	ND	410	1		02/09/01 15:29	P_C	563399
Benzo(b)fluoranthene	ND	410	1		02/09/01 15:29	P_C	563399
Benzo(g,h,i)perylene	ND	410	1		02/09/01 15:29	P_C	563399
Benzo(k)fluoranthene	ND	410	1		02/09/01 15:29	P_C	563399
Bis(2-chloroethoxy)methane	ND	410	1		02/09/01 15:29	P_C	563399
Bis(2-chloroethyl)ether	ND	410	1		02/09/01 15:29	P_C	563399
Bis(2-chloroisopropyl)ether	ND	410	1		02/09/01 15:29	P_C	563399
Bis(2-ethylhexyl)phthalate	ND	410	1		02/09/01 15:29	P_C	563399
Butyl benzyl phthalate	ND	410	1		02/09/01 15:29	P_C	563399
Carbazole	ND	410	1		02/09/01 15:29	P_C	563399
Chrysene	ND	410	1		02/09/01 15:29	P_C	563399

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-41 **Collected:** 2/4/01 3:25:00 P **SPL Sample ID:** 01020169-22

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		410	1		02/09/01 15:29	P_C	563399
Di-n-octyl phthalate	ND		410	1		02/09/01 15:29	P_C	563399
Dibenz(a,h)anthracene	ND		410	1		02/09/01 15:29	P_C	563399
Dibenzofuran	ND		410	1		02/09/01 15:29	P_C	563399
Diethyl phthalate	ND		410	1		02/09/01 15:29	P_C	563399
Dimethyl phthalate	ND		410	1		02/09/01 15:29	P_C	563399
Fluoranthene	ND		410	1		02/09/01 15:29	P_C	563399
Fluorene	ND		410	1		02/09/01 15:29	P_C	563399
Hexachlorobenzene	ND		410	1		02/09/01 15:29	P_C	563399
Hexachlorobutadiene	ND		410	1		02/09/01 15:29	P_C	563399
Hexachlorocyclopentadiene	ND		410	1		02/09/01 15:29	P_C	563399
Hexachloroethane	ND		120	1		02/09/01 15:29	P_C	563399
Indeno(1,2,3-cd)pyrene	ND		410	1		02/09/01 15:29	P_C	563399
Isophorone	ND		410	1		02/09/01 15:29	P_C	563399
N-Nitrosodi-n-propylamine	ND		410	1		02/09/01 15:29	P_C	563399
N-Nitrosodiphenylamine	ND		410	1		02/09/01 15:29	P_C	563399
Naphthalene	ND		410	1		02/09/01 15:29	P_C	563399
Nitrobenzene	ND		410	1		02/09/01 15:29	P_C	563399
Pentachlorophenol	ND		4200	1		02/09/01 15:29	P_C	563399
Phenanthrene	ND		410	1		02/09/01 15:29	P_C	563399
Phenol	ND		410	1		02/09/01 15:29	P_C	563399
Pyrene	ND		410	1		02/09/01 15:29	P_C	563399
2-Methylphenol	ND		410	1		02/09/01 15:29	P_C	563399
3 & 4-Methylphenol	ND		410	1		02/09/01 15:29	P_C	563399
Surr: 2,4,6-Tribromophenol	72.0	%	19-122	1		02/09/01 15:29	P_C	563399
Surr: 2-Fluorobiphenyl	64.7	%	30-115	1		02/09/01 15:29	P_C	563399
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/09/01 15:29	P_C	563399
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/09/01 15:29	P_C	563399
Surr: Phenol-d5	64.0	%	24-113	1		02/09/01 15:29	P_C	563399
Surr: Terphenyl-d14	76.5	%	18-137	1		02/09/01 15:29	P_C	563399

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-42 | Collected: 2/4/01 4:15:00 P | SPL Sample ID: 01020169-23

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	19.3	0	1		02/06/01 16:00	KM	557640

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-42 **Collected:** 2/4/01 4:15:00 P **SPL Sample ID:** 01020169-23

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	410	1		02/09/01 15:57	P_C	563401
1,2-Dichlorobenzene	ND	62	1		02/09/01 15:57	P_C	563401
1,3-Dichlorobenzene	ND	62	1		02/09/01 15:57	P_C	563401
1,4-Dichlorobenzene	ND	62	1		02/09/01 15:57	P_C	563401
2,4,5-Trichlorophenol	ND	2100	1		02/09/01 15:57	P_C	563401
2,4,6-Trichlorophenol	ND	410	1		02/09/01 15:57	P_C	563401
2,4-Dichlorophenol	ND	410	1		02/09/01 15:57	P_C	563401
2,4-Dimethylphenol	ND	410	1		02/09/01 15:57	P_C	563401
2,4-Dinitrophenol	ND	2100	1		02/09/01 15:57	P_C	563401
2,4-Dinitrotoluene	ND	410	1		02/09/01 15:57	P_C	563401
2,6-Dinitrotoluene	ND	410	1		02/09/01 15:57	P_C	563401
2-Chloronaphthalene	ND	410	1		02/09/01 15:57	P_C	563401
2-Chlorophenol	ND	410	1		02/09/01 15:57	P_C	563401
2-Methylnaphthalene	ND	410	1		02/09/01 15:57	P_C	563401
2-Nitroaniline	ND	2100	1		02/09/01 15:57	P_C	563401
2-Nitrophenol	ND	2100	1		02/09/01 15:57	P_C	563401
3,3'-Dichlorobenzidine	ND	2500	1		02/09/01 15:57	P_C	563401
3-Nitroaniline	ND	2100	1		02/09/01 15:57	P_C	563401
4,6-Dinitro-2-methylphenol	ND	2100	1		02/09/01 15:57	P_C	563401
4-Bromophenyl phenyl ether	ND	410	1		02/09/01 15:57	P_C	563401
4-Chloro-3-methylphenol	ND	1600	1		02/09/01 15:57	P_C	563401
4-Chloroaniline	ND	410	1		02/09/01 15:57	P_C	563401
4-Chlorophenyl phenyl ether	ND	410	1		02/09/01 15:57	P_C	563401
4-Nitroaniline	ND	2100	1		02/09/01 15:57	P_C	563401
4-Nitrophenol	ND	990	1		02/09/01 15:57	P_C	563401
Acenaphthene	ND	410	1		02/09/01 15:57	P_C	563401
Acenaphthylene	ND	410	1		02/09/01 15:57	P_C	563401
Anthracene	ND	410	1		02/09/01 15:57	P_C	563401
Benz(a)anthracene	ND	410	1		02/09/01 15:57	P_C	563401
Benzo(a)pyrene	ND	410	1		02/09/01 15:57	P_C	563401
Benzo(b)fluoranthene	ND	410	1		02/09/01 15:57	P_C	563401
Benzo(g,h,i)perylene	ND	410	1		02/09/01 15:57	P_C	563401
Benzo(k)fluoranthene	ND	410	1		02/09/01 15:57	P_C	563401
Bis(2-chloroethoxy)methane	ND	410	1		02/09/01 15:57	P_C	563401
Bis(2-chloroethyl)ether	ND	410	1		02/09/01 15:57	P_C	563401
Bis(2-chloroisopropyl)ether	ND	410	1		02/09/01 15:57	P_C	563401
Bis(2-ethylhexyl)phthalate	ND	410	1		02/09/01 15:57	P_C	563401
Butyl benzyl phthalate	ND	410	1		02/09/01 15:57	P_C	563401
Carbazole	ND	410	1		02/09/01 15:57	P_C	563401
Chrysene	ND	410	1		02/09/01 15:57	P_C	563401

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-LP-42 **Collected:** 2/4/01 4:15:00 P **SPL Sample ID:** 01020169-23

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		410	1		02/09/01 15:57	P_C	563401
Di-n-octyl phthalate	ND		410	1		02/09/01 15:57	P_C	563401
Dibenz(a,h)anthracene	ND		410	1		02/09/01 15:57	P_C	563401
Dibenzofuran	ND		410	1		02/09/01 15:57	P_C	563401
Diethyl phthalate	ND		410	1		02/09/01 15:57	P_C	563401
Dimethyl phthalate	ND		410	1		02/09/01 15:57	P_C	563401
Fluoranthene	ND		410	1		02/09/01 15:57	P_C	563401
Fluorene	ND		410	1		02/09/01 15:57	P_C	563401
Hexachlorobenzene	ND		410	1		02/09/01 15:57	P_C	563401
Hexachlorobutadiene	ND		410	1		02/09/01 15:57	P_C	563401
Hexachlorocyclopentadiene	ND		410	1		02/09/01 15:57	P_C	563401
Hexachloroethane	ND		120	1		02/09/01 15:57	P_C	563401
Indeno(1,2,3-cd)pyrene	ND		410	1		02/09/01 15:57	P_C	563401
Isophorone	ND		410	1		02/09/01 15:57	P_C	563401
N-Nitrosodi-n-propylamine	ND		410	1		02/09/01 15:57	P_C	563401
N-Nitrosodiphenylamine	ND		410	1		02/09/01 15:57	P_C	563401
Naphthalene	ND		410	1		02/09/01 15:57	P_C	563401
Nitrobenzene	ND		410	1		02/09/01 15:57	P_C	563401
Pentachlorophenol	ND		4200	1		02/09/01 15:57	P_C	563401
Phenanthrene	ND		410	1		02/09/01 15:57	P_C	563401
Phenol	ND		410	1		02/09/01 15:57	P_C	563401
Pyrene	ND		410	1		02/09/01 15:57	P_C	563401
2-Methylphenol	ND		410	1		02/09/01 15:57	P_C	563401
3 & 4-Methylphenol	ND		410	1		02/09/01 15:57	P_C	563401
Surr: 2,4,6-Tribromophenol	64.0	%	19-122	1		02/09/01 15:57	P_C	563401
Surr: 2-Fluorobiphenyl	58.8	%	30-115	1		02/09/01 15:57	P_C	563401
Surr: 2-Fluorophenol	64.0	%	25-121	1		02/09/01 15:57	P_C	563401
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/09/01 15:57	P_C	563401
Surr: Phenol-d5	56.0	%	24-113	1		02/09/01 15:57	P_C	563401
Surr: Terphenyl-d14	70.6	%	18-137	1		02/09/01 15:57	P_C	563401

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-112 **Collected:** 2/4/01 10:00:00 **SPL Sample ID:** 01020169-24

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	22	0		1		02/06/01 16:00	KM	557642

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-112 **Collected:** 2/4/01 10:00:00 **SPL Sample ID:** 01020169-24

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		MCL	SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	420	1		02/09/01 16:24	P_C	563403
1,2-Dichlorobenzene	ND	64	1		02/09/01 16:24	P_C	563403
1,3-Dichlorobenzene	ND	64	1		02/09/01 16:24	P_C	563403
1,4-Dichlorobenzene	ND	64	1		02/09/01 16:24	P_C	563403
2,4,5-Trichlorophenol	ND	2200	1		02/09/01 16:24	P_C	563403
2,4,6-Trichlorophenol	ND	420	1		02/09/01 16:24	P_C	563403
2,4-Dichlorophenol	ND	420	1		02/09/01 16:24	P_C	563403
2,4-Dimethylphenol	ND	420	1		02/09/01 16:24	P_C	563403
2,4-Dinitrophenol	ND	2200	1		02/09/01 16:24	P_C	563403
2,4-Dinitrotoluene	ND	420	1		02/09/01 16:24	P_C	563403
2,6-Dinitrotoluene	ND	420	1		02/09/01 16:24	P_C	563403
2-Chloronaphthalene	ND	420	1		02/09/01 16:24	P_C	563403
2-Chlorophenol	ND	420	1		02/09/01 16:24	P_C	563403
2-Methylnaphthalene	ND	420	1		02/09/01 16:24	P_C	563403
2-Nitroaniline	ND	2200	1		02/09/01 16:24	P_C	563403
2-Nitrophenol	ND	2200	1		02/09/01 16:24	P_C	563403
3,3'-Dichlorobenzidine	ND	2600	1		02/09/01 16:24	P_C	563403
3-Nitroaniline	ND	2200	1		02/09/01 16:24	P_C	563403
4,6-Dinitro-2-methylphenol	ND	2200	1		02/09/01 16:24	P_C	563403
4-Bromophenyl phenyl ether	ND	420	1		02/09/01 16:24	P_C	563403
4-Chloro-3-methylphenol	ND	1700	1		02/09/01 16:24	P_C	563403
4-Chloroaniline	ND	420	1		02/09/01 16:24	P_C	563403
4-Chlorophenyl phenyl ether	ND	420	1		02/09/01 16:24	P_C	563403
4-Nitroaniline	ND	2200	1		02/09/01 16:24	P_C	563403
4-Nitrophenol	ND	1000	1		02/09/01 16:24	P_C	563403
Acenaphthene	ND	420	1		02/09/01 16:24	P_C	563403
Acenaphthylene	ND	420	1		02/09/01 16:24	P_C	563403
Anthracene	ND	420	1		02/09/01 16:24	P_C	563403
Benz(a)anthracene	ND	420	1		02/09/01 16:24	P_C	563403
Benzo(a)pyrene	ND	420	1		02/09/01 16:24	P_C	563403
Benzo(b)fluoranthene	ND	420	1		02/09/01 16:24	P_C	563403
Benzo(g,h,i)perylene	ND	420	1		02/09/01 16:24	P_C	563403
Benzo(k)fluoranthene	ND	420	1		02/09/01 16:24	P_C	563403
Bis(2-chloroethoxy)methane	ND	420	1		02/09/01 16:24	P_C	563403
Bis(2-chloroethyl)ether	ND	420	1		02/09/01 16:24	P_C	563403
Bis(2-chloroisopropyl)ether	ND	420	1		02/09/01 16:24	P_C	563403
Bis(2-ethylhexyl)phthalate	ND	420	1		02/09/01 16:24	P_C	563403
Butyl benzyl phthalate	ND	420	1		02/09/01 16:24	P_C	563403
Carbazole	ND	420	1		02/09/01 16:24	P_C	563403
Chrysene	ND	420	1		02/09/01 16:24	P_C	563403

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-112 **Collected:** 2/4/01 10:00:00 **SPL Sample ID:** 01020169-24

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		420	1		02/09/01 16:24	P_C	563403
Di-n-octyl phthalate	ND		420	1		02/09/01 16:24	P_C	563403
Dibenz(a,h)anthracene	ND		420	1		02/09/01 16:24	P_C	563403
Dibenzofuran	ND		420	1		02/09/01 16:24	P_C	563403
Diethyl phthalate	ND		420	1		02/09/01 16:24	P_C	563403
Dimethyl phthalate	ND		420	1		02/09/01 16:24	P_C	563403
Fluoranthene	ND		420	1		02/09/01 16:24	P_C	563403
Fluorene	ND		420	1		02/09/01 16:24	P_C	563403
Hexachlorobenzene	ND		420	1		02/09/01 16:24	P_C	563403
Hexachlorobutadiene	ND		420	1		02/09/01 16:24	P_C	563403
Hexachlorocyclopentadiene	ND		420	1		02/09/01 16:24	P_C	563403
Hexachloroethane	ND		130	1		02/09/01 16:24	P_C	563403
Indeno(1,2,3-cd)pyrene	ND		420	1		02/09/01 16:24	P_C	563403
Isophorone	ND		420	1		02/09/01 16:24	P_C	563403
N-Nitrosodi-n-propylamine	ND		420	1		02/09/01 16:24	P_C	563403
N-Nitrosodiphenylamine	ND		420	1		02/09/01 16:24	P_C	563403
Naphthalene	ND		420	1		02/09/01 16:24	P_C	563403
Nitrobenzene	ND		420	1		02/09/01 16:24	P_C	563403
Pentachlorophenol	ND		4400	1		02/09/01 16:24	P_C	563403
Phenanthrene	ND		420	1		02/09/01 16:24	P_C	563403
Phenol	ND		420	1		02/09/01 16:24	P_C	563403
Pyrene	ND		420	1		02/09/01 16:24	P_C	563403
2-Methylphenol	ND		420	1		02/09/01 16:24	P_C	563403
3 & 4-Methylphenol	ND		420	1		02/09/01 16:24	P_C	563403
Surr: 2,4,6-Tribromophenol	68.0	%	19-122	1		02/09/01 16:24	P_C	563403
Surr: 2-Fluorobiphenyl	58.8	%	30-115	1		02/09/01 16:24	P_C	563403
Surr: 2-Fluorophenol	60.0	%	25-121	1		02/09/01 16:24	P_C	563403
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/09/01 16:24	P_C	563403
Surr: Phenol-d5	52.0	%	24-113	1		02/09/01 16:24	P_C	563403
Surr: Terphenyl-d14	70.6	%	18-137	1		02/09/01 16:24	P_C	563403

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-113 Collected: 2/4/01 12:40:00 SPL Sample ID: 01020169-25

Site: #11676-10, DNAPL

Analytes/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		MCL	D2216		Units: wt%		
Percent Moisture	15.2	0	1		02/06/01 16:00	KM	557644

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-113 **Collected:** 2/4/01 12:40:00 **SPL Sample ID:** 01020169-25

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/09/01 16:52	P_C	563405
1,2-Dichlorobenzene	ND	59	1		02/09/01 16:52	P_C	563405
1,3-Dichlorobenzene	ND	59	1		02/09/01 16:52	P_C	563405
1,4-Dichlorobenzene	ND	59	1		02/09/01 16:52	P_C	563405
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 16:52	P_C	563405
2,4,6-Trichlorophenol	ND	390	1		02/09/01 16:52	P_C	563405
2,4-Dichlorophenol	ND	390	1		02/09/01 16:52	P_C	563405
2,4-Dimethylphenol	ND	390	1		02/09/01 16:52	P_C	563405
2,4-Dinitrophenol	ND	2000	1		02/09/01 16:52	P_C	563405
2,4-Dinitrotoluene	ND	390	1		02/09/01 16:52	P_C	563405
2,6-Dinitrotoluene	ND	390	1		02/09/01 16:52	P_C	563405
2-Chloronaphthalene	ND	390	1		02/09/01 16:52	P_C	563405
2-Chlorophenol	ND	390	1		02/09/01 16:52	P_C	563405
2-Methylnaphthalene	ND	390	1		02/09/01 16:52	P_C	563405
2-Nitroaniline	ND	2000	1		02/09/01 16:52	P_C	563405
2-Nitrophenol	ND	2000	1		02/09/01 16:52	P_C	563405
3,3'-Dichlorobenzidine	ND	2400	1		02/09/01 16:52	P_C	563405
3-Nitroaniline	ND	2000	1		02/09/01 16:52	P_C	563405
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 16:52	P_C	563405
4-Bromophenyl phenyl ether	ND	390	1		02/09/01 16:52	P_C	563405
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 16:52	P_C	563405
4-Chloroaniline	ND	390	1		02/09/01 16:52	P_C	563405
4-Chlorophenyl phenyl ether	ND	390	1		02/09/01 16:52	P_C	563405
4-Nitroaniline	ND	2000	1		02/09/01 16:52	P_C	563405
4-Nitrophenol	ND	940	1		02/09/01 16:52	P_C	563405
Acenaphthene	ND	390	1		02/09/01 16:52	P_C	563405
Acenaphthylene	ND	390	1		02/09/01 16:52	P_C	563405
Anthracene	ND	390	1		02/09/01 16:52	P_C	563405
Benz(a)anthracene	ND	390	1		02/09/01 16:52	P_C	563405
Benzo(a)pyrene	ND	390	1		02/09/01 16:52	P_C	563405
Benzo(b)fluoranthene	ND	390	1		02/09/01 16:52	P_C	563405
Benzo(g,h,i)perylene	ND	390	1		02/09/01 16:52	P_C	563405
Benzo(k)fluoranthene	ND	390	1		02/09/01 16:52	P_C	563405
Bis(2-chloroethoxy)methane	ND	390	1		02/09/01 16:52	P_C	563405
Bis(2-chloroethyl)ether	ND	390	1		02/09/01 16:52	P_C	563405
Bis(2-chloroisopropyl)ether	ND	390	1		02/09/01 16:52	P_C	563405
Bis(2-ethylhexyl)phthalate	ND	390	1		02/09/01 16:52	P_C	563405
Butyl benzyl phthalate	ND	390	1		02/09/01 16:52	P_C	563405
Carbazole	ND	390	1		02/09/01 16:52	P_C	563405
Chrysene	ND	390	1		02/09/01 16:52	P_C	563405

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-113 | Collected: 2/4/01 12:40:00 | SPL Sample ID: 01020169-25

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/09/01 16:52	P_C	563405
Di-n-octyl phthalate	ND		390	1		02/09/01 16:52	P_C	563405
Dibenz(a,h)anthracene	ND		390	1		02/09/01 16:52	P_C	563405
Dibenzofuran	ND		390	1		02/09/01 16:52	P_C	563405
Diethyl phthalate	ND		390	1		02/09/01 16:52	P_C	563405
Dimethyl phthalate	ND		390	1		02/09/01 16:52	P_C	563405
Fluoranthene	ND		390	1		02/09/01 16:52	P_C	563405
Fluorene	ND		390	1		02/09/01 16:52	P_C	563405
Hexachlorobenzene	ND		390	1		02/09/01 16:52	P_C	563405
Hexachlorobutadiene	ND		390	1		02/09/01 16:52	P_C	563405
Hexachlorocyclopentadiene	ND		390	1		02/09/01 16:52	P_C	563405
Hexachloroethane	ND		120	1		02/09/01 16:52	P_C	563405
Indeno(1,2,3-cd)pyrene	ND		390	1		02/09/01 16:52	P_C	563405
Isophorone	ND		390	1		02/09/01 16:52	P_C	563405
N-Nitrosodi-n-propylamine	ND		390	1		02/09/01 16:52	P_C	563405
N-Nitrosodiphenylamine	ND		390	1		02/09/01 16:52	P_C	563405
Naphthalene	ND		390	1		02/09/01 16:52	P_C	563405
Nitrobenzene	ND		390	1		02/09/01 16:52	P_C	563405
Pentachlorophenol	ND		4000	1		02/09/01 16:52	P_C	563405
Phenanthrene	ND		390	1		02/09/01 16:52	P_C	563405
Phenol	ND		390	1		02/09/01 16:52	P_C	563405
Pyrene	ND		390	1		02/09/01 16:52	P_C	563405
2-Methylphenol	ND		390	1		02/09/01 16:52	P_C	563405
3 & 4-Methylphenol	ND		390	1		02/09/01 16:52	P_C	563405
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		02/09/01 16:52	P_C	563405
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		02/09/01 16:52	P_C	563405
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/09/01 16:52	P_C	563405
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/09/01 16:52	P_C	563405
Surr: Phenol-d5	64.0	%	24-113	1		02/09/01 16:52	P_C	563405
Surr: Terphenyl-d14	82.4	%	18-137	1		02/09/01 16:52	P_C	563405

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-114 **Collected:** 2/4/01 1:40:00 P **SPL Sample ID:** 01020169-26

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	18.3	0	1		02/06/01 16:00	KM	557645

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-114 **Collected:** 2/4/01 1:40:00 P **SPL Sample ID:** 01020169-26

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		MCL	SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	400	1		02/09/01 17:19	P_C	563408
1,2-Dichlorobenzene	ND	61	1		02/09/01 17:19	P_C	563408
1,3-Dichlorobenzene	ND	61	1		02/09/01 17:19	P_C	563408
1,4-Dichlorobenzene	ND	61	1		02/09/01 17:19	P_C	563408
2,4,5-Trichlorophenol	ND	2100	1		02/09/01 17:19	P_C	563408
2,4,6-Trichlorophenol	ND	400	1		02/09/01 17:19	P_C	563408
2,4-Dichlorophenol	ND	400	1		02/09/01 17:19	P_C	563408
2,4-Dimethylphenol	ND	400	1		02/09/01 17:19	P_C	563408
2,4-Dinitrophenol	ND	2100	1		02/09/01 17:19	P_C	563408
2,4-Dinitrotoluene	ND	400	1		02/09/01 17:19	P_C	563408
2,6-Dinitrotoluene	ND	400	1		02/09/01 17:19	P_C	563408
2-Chloronaphthalene	ND	400	1		02/09/01 17:19	P_C	563408
2-Chlorophenol	ND	400	1		02/09/01 17:19	P_C	563408
2-Methylnaphthalene	ND	400	1		02/09/01 17:19	P_C	563408
2-Nitroaniline	ND	2100	1		02/09/01 17:19	P_C	563408
2-Nitrophenol	ND	2100	1		02/09/01 17:19	P_C	563408
3,3'-Dichlorobenzidine	ND	2400	1		02/09/01 17:19	P_C	563408
3-Nitroaniline	ND	2100	1		02/09/01 17:19	P_C	563408
4,6-Dinitro-2-methylphenol	ND	2100	1		02/09/01 17:19	P_C	563408
4-Bromophenyl phenyl ether	ND	400	1		02/09/01 17:19	P_C	563408
4-Chloro-3-methylphenol	ND	1600	1		02/09/01 17:19	P_C	563408
4-Chloroaniline	ND	400	1		02/09/01 17:19	P_C	563408
4-Chlorophenyl phenyl ether	ND	400	1		02/09/01 17:19	P_C	563408
4-Nitroaniline	ND	2100	1		02/09/01 17:19	P_C	563408
4-Nitrophenol	ND	980	1		02/09/01 17:19	P_C	563408
Acenaphthene	ND	400	1		02/09/01 17:19	P_C	563408
Acenaphthylene	ND	400	1		02/09/01 17:19	P_C	563408
Anthracene	ND	400	1		02/09/01 17:19	P_C	563408
Benz(a)anthracene	ND	400	1		02/09/01 17:19	P_C	563408
Benzo(a)pyrene	ND	400	1		02/09/01 17:19	P_C	563408
Benzo(b)fluoranthene	ND	400	1		02/09/01 17:19	P_C	563408
Benzo(g,h,i)perylene	ND	400	1		02/09/01 17:19	P_C	563408
Benzo(k)fluoranthene	ND	400	1		02/09/01 17:19	P_C	563408
Bis(2-chloroethoxy)methane	ND	400	1		02/09/01 17:19	P_C	563408
Bis(2-chloroethyl)ether	ND	400	1		02/09/01 17:19	P_C	563408
Bis(2-chloroisopropyl)ether	ND	400	1		02/09/01 17:19	P_C	563408
Bis(2-ethylhexyl)phthalate	ND	400	1		02/09/01 17:19	P_C	563408
Butyl benzyl phthalate	ND	400	1		02/09/01 17:19	P_C	563408
Carbazole	ND	400	1		02/09/01 17:19	P_C	563408
Chrysene	ND	400	1		02/09/01 17:19	P_C	563408

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-114 **Collected:** 2/4/01 1:40:00 P **SPL Sample ID:** 01020169-26

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		400	1		02/09/01 17:19	P_C	563408
Di-n-octyl phthalate	ND		400	1		02/09/01 17:19	P_C	563408
Dibenz(a,h)anthracene	ND		400	1		02/09/01 17:19	P_C	563408
Dibenzofuran	ND		400	1		02/09/01 17:19	P_C	563408
Diethyl phthalate	ND		400	1		02/09/01 17:19	P_C	563408
Dimethyl phthalate	ND		400	1		02/09/01 17:19	P_C	563408
Fluoranthene	ND		400	1		02/09/01 17:19	P_C	563408
Fluorene	ND		400	1		02/09/01 17:19	P_C	563408
Hexachlorobenzene	ND		400	1		02/09/01 17:19	P_C	563408
Hexachlorobutadiene	ND		400	1		02/09/01 17:19	P_C	563408
Hexachlorocyclopentadiene	ND		400	1		02/09/01 17:19	P_C	563408
Hexachloroethane	ND		120	1		02/09/01 17:19	P_C	563408
Indeno(1,2,3-cd)pyrene	ND		400	1		02/09/01 17:19	P_C	563408
Isophorone	ND		400	1		02/09/01 17:19	P_C	563408
N-Nitrosodi-n-propylamine	ND		400	1		02/09/01 17:19	P_C	563408
N-Nitrosodiphenylamine	ND		400	1		02/09/01 17:19	P_C	563408
Naphthalene	ND		400	1		02/09/01 17:19	P_C	563408
Nitrobenzene	ND		400	1		02/09/01 17:19	P_C	563408
Pentachlorophenol	ND		4200	1		02/09/01 17:19	P_C	563408
Phenanthrene	ND		400	1		02/09/01 17:19	P_C	563408
Phenol	ND		400	1		02/09/01 17:19	P_C	563408
Pyrene	ND		400	1		02/09/01 17:19	P_C	563408
2-Methylphenol	ND		400	1		02/09/01 17:19	P_C	563408
3 & 4-Methylphenol	ND		400	1		02/09/01 17:19	P_C	563408
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	1		02/09/01 17:19	P_C	563408
Surr: 2-Fluorobiphenyl	64.7	%	30-115	1		02/09/01 17:19	P_C	563408
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/09/01 17:19	P_C	563408
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/09/01 17:19	P_C	563408
Surr: Phenol-d5	60.0	%	24-113	1		02/09/01 17:19	P_C	563408
Surr: Terphenyl-d14	82.4	%	18-137	1		02/09/01 17:19	P_C	563408

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-115 **Collected:** 2/4/01 2:30:00 P **SPL Sample ID:** 01020169-27

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	14.4	0		1		02/06/01 16:00	KM	557647

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-115 **Collected:** 2/4/01 2:30:00 P **SPL Sample ID:** 01020169-27

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/09/01 17:47	P_C	563410
1,2-Dichlorobenzene	ND	58	1		02/09/01 17:47	P_C	563410
1,3-Dichlorobenzene	ND	58	1		02/09/01 17:47	P_C	563410
1,4-Dichlorobenzene	ND	58	1		02/09/01 17:47	P_C	563410
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 17:47	P_C	563410
2,4,6-Trichlorophenol	ND	390	1		02/09/01 17:47	P_C	563410
2,4-Dichlorophenol	ND	390	1		02/09/01 17:47	P_C	563410
2,4-Dimethylphenol	ND	390	1		02/09/01 17:47	P_C	563410
2,4-Dinitrophenol	ND	2000	1		02/09/01 17:47	P_C	563410
2,4-Dinitrotoluene	ND	390	1		02/09/01 17:47	P_C	563410
2,6-Dinitrotoluene	ND	390	1		02/09/01 17:47	P_C	563410
2-Chloronaphthalene	ND	390	1		02/09/01 17:47	P_C	563410
2-Chlorophenol	ND	390	1		02/09/01 17:47	P_C	563410
2-Methylnaphthalene	ND	390	1		02/09/01 17:47	P_C	563410
2-Nitroaniline	ND	2000	1		02/09/01 17:47	P_C	563410
2-Nitrophenol	ND	2000	1		02/09/01 17:47	P_C	563410
3,3'-Dichlorobenzidine	ND	2300	1		02/09/01 17:47	P_C	563410
3-Nitroaniline	ND	2000	1		02/09/01 17:47	P_C	563410
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 17:47	P_C	563410
4-Bromophenyl phenyl ether	ND	390	1		02/09/01 17:47	P_C	563410
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 17:47	P_C	563410
4-Chloroaniline	ND	390	1		02/09/01 17:47	P_C	563410
4-Chlorophenyl phenyl ether	ND	390	1		02/09/01 17:47	P_C	563410
4-Nitroaniline	ND	2000	1		02/09/01 17:47	P_C	563410
4-Nitrophenol	ND	930	1		02/09/01 17:47	P_C	563410
Acenaphthene	ND	390	1		02/09/01 17:47	P_C	563410
Acenaphthylene	ND	390	1		02/09/01 17:47	P_C	563410
Anthracene	ND	390	1		02/09/01 17:47	P_C	563410
Benz(a)anthracene	ND	390	1		02/09/01 17:47	P_C	563410
Benzo(a)pyrene	ND	390	1		02/09/01 17:47	P_C	563410
Benzo(b)fluoranthene	ND	390	1		02/09/01 17:47	P_C	563410
Benzo(g,h,i)perylene	ND	390	1		02/09/01 17:47	P_C	563410
Benzo(k)fluoranthene	ND	390	1		02/09/01 17:47	P_C	563410
Bis(2-chloroethoxy)methane	ND	390	1		02/09/01 17:47	P_C	563410
Bis(2-chloroethyl)ether	ND	390	1		02/09/01 17:47	P_C	563410
Bis(2-chloroisopropyl)ether	ND	390	1		02/09/01 17:47	P_C	563410
Bis(2-ethylhexyl)phthalate	ND	390	1		02/09/01 17:47	P_C	563410
Butyl benzyl phthalate	ND	390	1		02/09/01 17:47	P_C	563410
Carbazole	ND	390	1		02/09/01 17:47	P_C	563410
Chrysene	ND	390	1		02/09/01 17:47	P_C	563410

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-115 Collected: 2/4/01 2:30:00 P SPL Sample ID: 01020169-27

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/09/01 17:47	P_C	563410
Di-n-octyl phthalate	ND		390	1		02/09/01 17:47	P_C	563410
Dibenz(a,h)anthracene	ND		390	1		02/09/01 17:47	P_C	563410
Dibenzofuran	ND		390	1		02/09/01 17:47	P_C	563410
Diethyl phthalate	ND		390	1		02/09/01 17:47	P_C	563410
Dimethyl phthalate	ND		390	1		02/09/01 17:47	P_C	563410
Fluoranthene	ND		390	1		02/09/01 17:47	P_C	563410
Fluorene	ND		390	1		02/09/01 17:47	P_C	563410
Hexachlorobenzene	ND		390	1		02/09/01 17:47	P_C	563410
Hexachlorobutadiene	ND		390	1		02/09/01 17:47	P_C	563410
Hexachlorocyclopentadiene	ND		390	1		02/09/01 17:47	P_C	563410
Hexachloroethane	ND		120	1		02/09/01 17:47	P_C	563410
Indeno(1,2,3-cd)pyrene	ND		390	1		02/09/01 17:47	P_C	563410
Isophorone	ND		390	1		02/09/01 17:47	P_C	563410
N-Nitrosodi-n-propylamine	ND		390	1		02/09/01 17:47	P_C	563410
N-Nitrosodiphenylamine	ND		390	1		02/09/01 17:47	P_C	563410
Naphthalene	ND		390	1		02/09/01 17:47	P_C	563410
Nitrobenzene	ND		390	1		02/09/01 17:47	P_C	563410
Pentachlorophenol	ND		4000	1		02/09/01 17:47	P_C	563410
Phenanthrene	ND		390	1		02/09/01 17:47	P_C	563410
Phenol	ND		390	1		02/09/01 17:47	P_C	563410
Pyrene	ND		390	1		02/09/01 17:47	P_C	563410
2-Methylphenol	ND		390	1		02/09/01 17:47	P_C	563410
3 & 4-Methylphenol	ND		390	1		02/09/01 17:47	P_C	563410
Surr: 2,4,6-Tribromophenol	64.0	%	19-122	1		02/09/01 17:47	P_C	563410
Surr: 2-Fluorobiphenyl	58.8	%	30-115	1		02/09/01 17:47	P_C	563410
Surr: 2-Fluorophenol	60.0	%	25-121	1		02/09/01 17:47	P_C	563410
Surr: Nitrobenzene-d5	58.8	%	23-120	1		02/09/01 17:47	P_C	563410
Surr: Phenol-d5	48.0	%	24-113	1		02/09/01 17:47	P_C	563410
Surr: Terphenyl-d14	70.6	%	18-137	1		02/09/01 17:47	P_C	563410

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-116 **Collected:** 2/4/01 3:30:00 P **SPL Sample ID:** 01020169-28

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	15.6	0		1		02/06/01 16:00	KM	557649

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MC_ - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-116 Collected: 2/4/01 3:30:00 P SPL Sample ID: 01020169-28

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/09/01 18:14	P_C	563412
1,2-Dichlorobenzene	73	59	1		02/09/01 18:14	P_C	563412
1,3-Dichlorobenzene	ND	59	1		02/09/01 18:14	P_C	563412
1,4-Dichlorobenzene	ND	59	1		02/09/01 18:14	P_C	563412
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 18:14	P_C	563412
2,4,6-Trichlorophenol	ND	390	1		02/09/01 18:14	P_C	563412
2,4-Dichlorophenol	ND	390	1		02/09/01 18:14	P_C	563412
2,4-Dimethylphenol	ND	390	1		02/09/01 18:14	P_C	563412
2,4-Dinitrophenol	ND	2000	1		02/09/01 18:14	P_C	563412
2,4-Dinitrotoluene	ND	390	1		02/09/01 18:14	P_C	563412
2,6-Dinitrotoluene	ND	390	1		02/09/01 18:14	P_C	563412
2-Chloronaphthalene	ND	390	1		02/09/01 18:14	P_C	563412
2-Chlorophenol	ND	390	1		02/09/01 18:14	P_C	563412
2-Methylnaphthalene	ND	390	1		02/09/01 18:14	P_C	563412
2-Nitroaniline	ND	2000	1		02/09/01 18:14	P_C	563412
2-Nitrophenol	ND	2000	1		02/09/01 18:14	P_C	563412
3,3'-Dichlorobenzidine	ND	2400	1		02/09/01 18:14	P_C	563412
3-Nitroaniline	ND	2000	1		02/09/01 18:14	P_C	563412
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 18:14	P_C	563412
4-Bromophenyl phenyl ether	ND	390	1		02/09/01 18:14	P_C	563412
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 18:14	P_C	563412
4-Chloroaniline	ND	390	1		02/09/01 18:14	P_C	563412
4-Chlorophenyl phenyl ether	ND	390	1		02/09/01 18:14	P_C	563412
4-Nitroaniline	ND	2000	1		02/09/01 18:14	P_C	563412
4-Nitrophenol	ND	950	1		02/09/01 18:14	P_C	563412
Acenaphthene	ND	390	1		02/09/01 18:14	P_C	563412
Acenaphthylene	ND	390	1		02/09/01 18:14	P_C	563412
Anthracene	ND	390	1		02/09/01 18:14	P_C	563412
Benzo(a)anthracene	ND	390	1		02/09/01 18:14	P_C	563412
Benzo(a)pyrene	ND	390	1		02/09/01 18:14	P_C	563412
Benzo(b)fluoranthene	ND	390	1		02/09/01 18:14	P_C	563412
Benzo(g,h,i)perylene	ND	390	1		02/09/01 18:14	P_C	563412
Benzo(k)fluoranthene	ND	390	1		02/09/01 18:14	P_C	563412
Bis(2-chloroethoxy)methane	ND	390	1		02/09/01 18:14	P_C	563412
Bis(2-chloroethyl)ether	ND	390	1		02/09/01 18:14	P_C	563412
Bis(2-chloroisopropyl)ether	ND	390	1		02/09/01 18:14	P_C	563412
Bis(2-ethylhexyl)phthalate	ND	390	1		02/09/01 18:14	P_C	563412
Butyl benzyl phthalate	ND	390	1		02/09/01 18:14	P_C	563412
Carbazole	ND	390	1		02/09/01 18:14	P_C	563412
Chrysene	ND	390	1		02/09/01 18:14	P_C	563412

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-116 **Collected:** 2/4/01 3:30:00 P **SPL Sample ID:** 01020169-28

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/09/01 18:14	P_C	563412
Di-n-octyl phthalate	ND		390	1		02/09/01 18:14	P_C	563412
Dibenz(a,h)anthracene	ND		390	1		02/09/01 18:14	P_C	563412
Dibenzofuran	ND		390	1		02/09/01 18:14	P_C	563412
Diethyl phthalate	ND		390	1		02/09/01 18:14	P_C	563412
Dimethyl phthalate	ND		390	1		02/09/01 18:14	P_C	563412
Fluoranthene	ND		390	1		02/09/01 18:14	P_C	563412
Fluorene	ND		390	1		02/09/01 18:14	P_C	563412
Hexachlorobenzene	1700		390	1		02/09/01 18:14	P_C	563412
Hexachlorobutadiene	4000		1600	4		02/12/01 11:24	P_C	563544
Hexachlorocyclopentadiene	ND		390	1		02/09/01 18:14	P_C	563412
Hexachloroethane	5000		470	4		02/12/01 11:24	P_C	563544
Indeno(1,2,3-cd)pyrene	ND		390	1		02/09/01 18:14	P_C	563412
Isophorone	ND		390	1		02/09/01 18:14	P_C	563412
N-Nitrosodi-n-propylamine	ND		390	1		02/09/01 18:14	P_C	563412
N-Nitrosodiphenylamine	ND		390	1		02/09/01 18:14	P_C	563412
Naphthalene	ND		390	1		02/09/01 18:14	P_C	563412
Nitrobenzene	ND		390	1		02/09/01 18:14	P_C	563412
Pentachlorophenol	ND		4000	1		02/09/01 18:14	P_C	563412
Phenanthrene	ND		390	1		02/09/01 18:14	P_C	563412
Phenol	ND		390	1		02/09/01 18:14	P_C	563412
Pyrene	ND		390	1		02/09/01 18:14	P_C	563412
2-Methylphenol	ND		390	1		02/09/01 18:14	P_C	563412
3 & 4-Methylphenol	ND		390	1		02/09/01 18:14	P_C	563412
Surr: 2,4,6-Tribromophenol	52.0	%	19-122	4		02/12/01 11:24	P_C	563544
Surr: 2,4,6-Tribromophenol	68.0	%	19-122	1		02/09/01 18:14	P_C	563412
Surr: 2-Fluorobiphenyl	55.9	%	30-115	1		02/09/01 18:14	P_C	563412
Surr: 2-Fluorobiphenyl	57.1	%	30-115	4		02/12/01 11:24	P_C	563544
Surr: 2-Fluorophenol	32.0	%	25-121	4		02/12/01 11:24	P_C	563544
Surr: 2-Fluorophenol	52.0	%	25-121	1		02/09/01 18:14	P_C	563412
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/09/01 18:14	P_C	563412
Surr: Nitrobenzene-d5	58.8	%	23-120	4		02/12/01 11:24	P_C	563544
Surr: Phenol-d5	48.0	%	24-113	1		02/09/01 18:14	P_C	563412
Surr: Phenol-d5	44.0	%	24-113	4		02/12/01 11:24	P_C	563544
Surr: Terphenyl-d14	76.5	%	18-137	4		02/12/01 11:24	P_C	563544
Surr: Terphenyl-d14	70.6	%	18-137	1		02/09/01 18:14	P_C	563412

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-117 **Collected:** 2/4/01 4:15:00 P **SPL Sample ID:** 01020169-29

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE		**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	15.9	0	1		02/06/01 16:00	KM	557650

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-117 **Collected:** 2/4/01 4:15:00 P **SPL Sample ID:** 01020169-29

Site: #11676-10, DNAPL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390	1		02/09/01 18:42	P_C	563413
1,2-Dichlorobenzene	ND	59	1		02/09/01 18:42	P_C	563413
1,3-Dichlorobenzene	ND	59	1		02/09/01 18:42	P_C	563413
1,4-Dichlorobenzene	ND	59	1		02/09/01 18:42	P_C	563413
2,4,5-Trichlorophenol	ND	2000	1		02/09/01 18:42	P_C	563413
2,4,6-Trichlorophenol	ND	390	1		02/09/01 18:42	P_C	563413
2,4-Dichlorophenol	ND	390	1		02/09/01 18:42	P_C	563413
2,4-Dimethylphenol	ND	390	1		02/09/01 18:42	P_C	563413
2,4-Dinitrophenol	ND	2000	1		02/09/01 18:42	P_C	563413
2,4-Dinitrotoluene	ND	390	1		02/09/01 18:42	P_C	563413
2,6-Dinitrotoluene	ND	390	1		02/09/01 18:42	P_C	563413
2-Chloronaphthalene	ND	390	1		02/09/01 18:42	P_C	563413
2-Chlorophenol	ND	390	1		02/09/01 18:42	P_C	563413
2-Methylnaphthalene	ND	390	1		02/09/01 18:42	P_C	563413
2-Nitroaniline	ND	2000	1		02/09/01 18:42	P_C	563413
2-Nitrophenol	ND	2000	1		02/09/01 18:42	P_C	563413
3,3'-Dichlorobenzidine	ND	2400	1		02/09/01 18:42	P_C	563413
3-Nitroaniline	ND	2000	1		02/09/01 18:42	P_C	563413
4,6-Dinitro-2-methylphenol	ND	2000	1		02/09/01 18:42	P_C	563413
4-Bromophenyl phenyl ether	ND	390	1		02/09/01 18:42	P_C	563413
4-Chloro-3-methylphenol	ND	1500	1		02/09/01 18:42	P_C	563413
4-Chloroaniline	ND	390	1		02/09/01 18:42	P_C	563413
4-Chlorophenyl phenyl ether	ND	390	1		02/09/01 18:42	P_C	563413
4-Nitroaniline	ND	2000	1		02/09/01 18:42	P_C	563413
4-Nitrophenol	ND	950	1		02/09/01 18:42	P_C	563413
Acenaphthene	ND	390	1		02/09/01 18:42	P_C	563413
Acenaphthylene	ND	390	1		02/09/01 18:42	P_C	563413
Anthracene	ND	390	1		02/09/01 18:42	P_C	563413
Benz(a)anthracene	ND	390	1		02/09/01 18:42	P_C	563413
Benzo(a)pyrene	ND	390	1		02/09/01 18:42	P_C	563413
Benzo(b)fluoranthene	ND	390	1		02/09/01 18:42	P_C	563413
Benzo(g,h,i)perylene	ND	390	1		02/09/01 18:42	P_C	563413
Benzo(k)fluoranthene	ND	390	1		02/09/01 18:42	P_C	563413
Bis(2-chloroethoxy)methane	ND	390	1		02/09/01 18:42	P_C	563413
Bis(2-chloroethyl)ether	ND	390	1		02/09/01 18:42	P_C	563413
Bis(2-chloroisopropyl)ether	ND	390	1		02/09/01 18:42	P_C	563413
Bis(2-ethylhexyl)phthalate	ND	390	1		02/09/01 18:42	P_C	563413
Butyl benzyl phthalate	ND	390	1		02/09/01 18:42	P_C	563413
Carbazole	ND	390	1		02/09/01 18:42	P_C	563413
Chrysene	ND	390	1		02/09/01 18:42	P_C	563413

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020401-DM-117 **Collected:** 2/4/01 4:15:00 P **SPL Sample ID:** 01020169-29

Site: #11676-10, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/09/01 18:42	P_C	563413
Di-n-octyl phthalate	ND		390	1		02/09/01 18:42	P_C	563413
Dibenz(a,h)anthracene	ND		390	1		02/09/01 18:42	P_C	563413
Dibenzofuran	ND		390	1		02/09/01 18:42	P_C	563413
Diethyl phthalate	ND		390	1		02/09/01 18:42	P_C	563413
Dimethyl phthalate	ND		390	1		02/09/01 18:42	P_C	563413
Fluoranthene	ND		390	1		02/09/01 18:42	P_C	563413
Fluorene	ND		390	1		02/09/01 18:42	P_C	563413
Hexachlorobenzene	ND		390	1		02/09/01 18:42	P_C	563413
Hexachlorobutadiene	ND		390	1		02/09/01 18:42	P_C	563413
Hexachlorocyclopentadiene	ND		390	1		02/09/01 18:42	P_C	563413
Hexachloroethane	ND		120	1		02/09/01 18:42	P_C	563413
Indeno(1,2,3-cd)pyrene	ND		390	1		02/09/01 18:42	P_C	563413
Isophorone	ND		390	1		02/09/01 18:42	P_C	563413
N-Nitrosodi-n-propylamine	ND		390	1		02/09/01 18:42	P_C	563413
N-Nitrosodiphenylamine	ND		390	1		02/09/01 18:42	P_C	563413
Naphthalene	ND		390	1		02/09/01 18:42	P_C	563413
Nitrobenzene	ND		390	1		02/09/01 18:42	P_C	563413
Pentachlorophenol	ND		4000	1		02/09/01 18:42	P_C	563413
Phenanthrene	ND		390	1		02/09/01 18:42	P_C	563413
Phenol	ND		390	1		02/09/01 18:42	P_C	563413
Pyrene	ND		390	1		02/09/01 18:42	P_C	563413
2-Methylphenol	ND		390	1		02/09/01 18:42	P_C	563413
3 & 4-Methylphenol	ND		390	1		02/09/01 18:42	P_C	563413
Surr: 2,4,6-Tribromophenol	72.0	%	19-122	1		02/09/01 18:42	P_C	563413
Surr: 2-Fluorobiphenyl	57.1	%	30-115	1		02/09/01 18:42	P_C	563413
Surr: 2-Fluorophenol	56.0	%	25-121	1		02/09/01 18:42	P_C	563413
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/09/01 18:42	P_C	563413
Surr: Phenol-d5	52.0	%	24-113	1		02/09/01 18:42	P_C	563413
Surr: Terphenyl-d14	76.5	%	18-137	1		02/09/01 18:42	P_C	563413

Prep Method	Prep Date	Prep Initials
SW3550B	02/07/2001 9:02	DB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C
WorkOrder: 01020169
Lab Batch ID: 10148

Method Blank

RunID: J_010209A-562111 Units: ug/Kg
Analysis Date: 02/09/2001 10:11 Analyst: S_G
Preparation Date: 02/07/2001 8:59 Prep By: DB Method SW3550B

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020169-01A	S-11676-020301-DM-105
01020169-02A	S-11676-020301-DM-106
01020169-03A	S-11676-020301-DM-107
01020169-04A	S-11676-020301-DM-108
01020169-05A	S-11676-020301-DM-109
01020169-06A	S-11676-020301-DM-110
01020169-07A	S-11676-020301-DM-111
01020169-08A	S-11676-020301-LP-27
01020169-09A	S-11676-020301-LP-28
01020169-10A	S-11676-020301-LP-29
01020169-11A	S-11676-020301-LP-30
01020169-12A	S-11676-020301-LP-31
01020169-13A	S-11676-020301-LP-32
01020169-14A	S-11676-020401-LP-33
01020169-15A	S-11676-020401-LP-34
01020169-16A	S-11676-020401-LP-35
01020169-17A	S-11676-020401-LP-36
01020169-18A	S-11676-020401-LP-37

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
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(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020169
Method: SW8270C **Lab Batch ID:** 10148

Method Blank

RunID: J_010209A-562111 Units: ug/Kg
Analysis Date: 02/09/2001 10:11 Analyst: S_G
Preparation Date: 02/07/2001 8:59 Prep By: DB Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	84.0	19-122
Surr: 2-Fluorobiphenyl	88.2	30-115
Surr: 2-Fluorophenol	88.0	25-121
Surr: Nitrobenzene-d5	88.2	23-120
Surr: Phenol-d5	72.0	24-113
Surr: Terphenyl-d14	100.0	18-137

Laboratory Control Sample (LCS)

RunID: J_010209A-562112 Units: ug/Kg
Analysis Date: 02/09/2001 10:45 Analyst: S_G
Preparation Date: 02/07/2001 8:59 Prep By: DB Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1200	71	39	110
1,4-Dichlorobenzene	1700	1200	71	36	110
2,4-Dinitrotoluene	1700	1300	76	50	150
2-Chlorophenol	2500	1900	76	27	123
4-Chloro-3-methylphenol	2500	2200	88	23	110
4-Nitrophenol	2500	3200	128	25	150
Acenaphthene	1700	1300	76	46	125
N-Nitrosodi-n-propylamine	1700	1500	88	41	116
Pentachlorophenol	2500	1800	72	9	125
Phenol	2500	1500	60	12	110
Pyrene	1700	2000	118	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - *Analyte detected in the associated Method Blank*
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - *Recovery Unreportable due to Dilution*
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020169
Method: SW8270C **Lab Batch ID:** 10148

Sample Spiked: 01020169-01
RunID: J_010208A-563029 Units: ug/Kg-dry
Analysis Date: 02/08/2001 15:29 Analyst: S_G
Preparation Date: 02/07/2001 8:59 Prep By: DB Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	2250	1100	48	2250	1300	57	18	28	39	110
1,4-Dichlorobenzene	ND	2250	990	44	2250	1000	45	1	28	36	110
2,4-Dinitrotoluene	ND	2250	1200	55	2250	1100	47 *	16	50	50	150
2-Chlorophenol	ND	3300	1700	52	3300	1600	48	8	40	27	123
4-Chloro-3-methylphenol	ND	3300	2100	64	3300	2200	68	6	42	23	110
4-Nitrophenol	ND	3300	3400	104	3300	3300	100	4	50	25	150
Acenaphthene	ND	2250	1100	49	2250	1100	50	2	31	46	125
N-Nitrosodi-n-propylamine	ND	2250	1300	56	2250	530	24 *	82 *	38	41	116
Pentachlorophenol	ND	3300	1700	52	3300	1700	52	0	50	9	125
Phenol	ND	3300	1500	44	3300	1300	40	10	42	12	110
Pyrene	ND	2250	1700	76	2250	2100	94	21	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit; MI - Matrix Interference
B - Analyte detected in the associated Method Blank; D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL; * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020169
Method: SW8270C **Lab Batch ID:** 10149

Method Blank

RunID: P_010209A-563386 Units: ug/Kg
Analysis Date: 02/09/2001 11:48 Analyst: P_C
Preparation Date: 02/07/2001 9:02 Prep By: DB Method SW3550B

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020169-19A	S-11676-020401-LP-38
01020169-20A	S-11676-020401-LP-39
01020169-21A	S-11676-020401-LP-40
01020169-22A	S-11676-020401-LP-41
01020169-23A	S-11676-020401-LP-42
01020169-24A	S-11676-020401-DM-112
01020169-25A	S-11676-020401-DM-113
01020169-26A	S-11676-020401-DM-114
01020169-27A	S-11676-020401-DM-115
01020169-28A	S-11676-020401-DM-116
01020169-29A	S-11676-020401-DM-117

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020169
Method: SW8270C **Lab Batch ID:** 10149

Method Blank

RunID: P_010209A-563386 Units: ug/Kg
Analysis Date: 02/09/2001 11:48 Analyst: P_C
Preparation Date: 02/07/2001 9:02 Prep By: DB Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	92.0	19-122
Surr: 2-Fluorobiphenyl	82.4	30-115
Surr: 2-Fluorophenol	88.0	25-121
Surr: Nitrobenzene-d5	94.1	23-120
Surr: Phenol-d5	80.0	24-113
Surr: Terphenyl-d14	94.1	18-137

Laboratory Control Sample (LCS)

RunID: P_010209A-563389 Units: ug/Kg
Analysis Date: 02/09/2001 12:16 Analyst: P_C
Preparation Date: 02/07/2001 9:02 Prep By: DB Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1200	71	39	110
1,4-Dichlorobenzene	1700	1200	71	36	110
2,4-Dinitrotoluene	1700	1300	76	50	150
2-Chlorophenol	2500	1800	72	27	123
4-Chloro-3-methylphenol	2500	2000	80	23	110
4-Nitrophenol	2500	2100	84	25	150
Acenaphthene	1700	1300	76	46	125
N-Nitrosodi-n-propylamine	1700	1200	71	41	116
Pentachlorophenol	2500	1600	64	9	125
Phenol	2500	1600	64	12	110
Pyrene	1700	1600	94	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020169
Method: SW8270C **Lab Batch ID:** 10149

Sample Spiked: 01020169-19
RunID: P_010209A-563391 Units: ug/Kg-dry
Analysis Date: 02/09/2001 13:11 Analyst: P_C
Preparation Date: 02/07/2001 9:02 Prep By: DB Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1940	1100	56	1940	1100	59	5	28	39	110
1,4-Dichlorobenzene	ND	1940	1100	55	1940	1100	55	0	28	36	110
2,4-Dinitrotoluene	ND	1940	1400	71	1940	1500	76	8	50	50	150
2-Chlorophenol	ND	2850	1600	56	2850	1600	56	0	40	27	123
4-Chloro-3-methylphenol	ND	2850	1900	68	2850	2100	72	6	42	23	110
4-Nitrophenol	ND	2850	2300	80	2850	2500	88	10	50	25	150
Acenaphthene	ND	1940	1300	65	1940	1300	65	0	31	46	125
N-Nitrosodi-n-propylamine	ND	1940	1100	59	1940	1100	59	0	38	41	116
Pentachlorophenol	ND	2850	1600	56	2850	1700	60	7	50	9	125
Phenol	ND	2850	1500	52	2850	1500	52	0	42	12	110
Pyrene	ND	1940	1500	76	1940	1600	82	7	31	26	127

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis:	*PERCENT MOISTURE*	*WorkOrder:*	*01020169*
Method:	D2216	Lab Batch ID:	R29137

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020169-01A	S-11676-020301-DM-105
01020169-02A	S-11676-020301-DM-106
01020169-03A	S-11676-020301-DM-107
01020169-04A	S-11676-020301-DM-108
01020169-05A	S-11676-020301-DM-109
01020169-06A	S-11676-020301-DM-110
01020169-07A	S-11676-020301-DM-111
01020169-08A	S-11676-020301-LP-27
01020169-09A	S-11676-020301-LP-28
01020169-19A	S-11676-020401-LP-38

Sample Duplicate

Original Sample:	01020169-19		
RunID:	*WET_010206E-557613*	*Units:*	*wt%*
Analysis Date:	02/06/2001 16:00	Analyst:	KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	12.4	11.5	8	20

ers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis: PERCENT MOISTURE
Method: D2216
WorkOrder: 01020169
Lab Batch ID: R29137A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020169-10A	S-11676-020301-LP-29
01020169-11A	S-11676-020301-LP-30
01020169-12A	S-11676-020301-LP-31
01020169-13A	S-11676-020301-LP-32
01020169-14A	S-11676-020401-LP-33
01020169-15A	S-11676-020401-LP-34
01020169-16A	S-11676-020401-LP-35
01020169-17A	S-11676-020401-LP-36
01020169-18A	S-11676-020401-LP-37
01020169-20A	S-11676-020401-LP-39

Sample Duplicate

Original Sample: 01020169-10
RunID: WET_010206E-557624 Units: wt%
Analysis Date: 02/06/2001 16:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	15.1	15.1	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10, DNAPL

Analysis:	**PERCENT MOISTURE**	*WorkOrder:*	**01020169**
Method:	**D2216**	**Lab Batch ID:**	**R29137B**

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020169-21A	S-11676-020401-LP-40
01020169-22A	S-11676-020401-LP-41
01020169-23A	S-11676-020401-LP-42
01020169-24A	S-11676-020401-DM-112
01020169-25A	S-11676-020401-DM-113
01020169-26A	S-11676-020401-DM-114
01020169-27A	S-11676-020401-DM-115
01020169-28A	S-11676-020401-DM-116
01020169-29A	S-11676-020401-DM-117

Sample Duplicate

Original Sample:	01020169-21		
RunID:	WET_010206E-557635	Units:	wt%
Analysis Date:	02/06/2001 16:00	Analyst:	KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	14.2	13.2	7	20

'ers

ND/U - Not Detected at the Reporting Limit
E - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist
And
Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01020169	Received by:	Stelly, D'Anna
Date and Time Received:	2/6/01 10:00:00 AM	Carrier name:	SPL
Temperature:	3		

Shipping container/cooler in good condition?	Yes	☑	No ☐	Not Present	☐
Custody seals intact on shippping container/cooler?	Yes	☐	No ☐	Not Present	☑
Custody seals intact on sample bottles?	Yes	☐	No ☐	Not Present	☑
Chain of custody present?	Yes	☑	No ☐		
Chain of custody signed when relinquished and received?	Yes	☑	No ☐		
Chain of custody agrees with sample labels?	Yes	☑	No ☐		
Samples in proper container/bottle?	Yes	☑	No ☐		
Sample containers intact?	Yes	☑	No ☐		
Sufficient sample volume for indicated test?	Yes	☑	No ☐		
All samples received within holding time?	Yes	☑	No ☐		
Container/Temp Blank temperature in compliance?	Yes	☑	No ☐		
Water - VOA vials have zero headspace?	Yes	☐	No ☐	Not Present	☑
Water - pH acceptable upon receipt?	Yes	☐	No ☑		

CHAIN OF CUSTODY RECORD

01020169

page 1/3

CRA
CONESTOGA-ROVERS & ASSOCIATES
651 Colby Drive
Waterloo, Ont. N2V 1C2 (519)884-0510

SHIPPED TO (Laboratory Name): SPL Houston

REFERENCE NUMBER: 11676-10

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Luc Paquette

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: TCL SVOCs	REMARKS
	02/03/01	8:30	S-11676-020301-DM-105	Soils	1	X	24hr turn Around
	02/03/01	9:45	S-11676-020301-DM-106		1	X	" "
	02/03/01	10:40	S-11676-020301-DM-107		1	X	" "
	02/03/01	11:50	S-11676-020301-DM-108		1	X	" "
	02/03/01	14:40	S-11676-020301-DM-109		1	X	" "
	02/03/01	14:50	S-11676-020301-DM-110		1	X	" "
	02/03/01	15:30	S-11676-020301-DM-111		1	X	" "
	02/03/01	9:25	S-11676-020301-LP-27	Soils	1	X	24hr turn Around
	02/03/01	10:15	S-11676-020301-LP-28		1	X	" "
	02/03/01	11:25	S-11676-020301-LP-29		1	X	" "
	02/03/01	12:10	S-11676-020301-LP-30		1	X	" "
	02/03/01	15:35	S-11676-020301-LP-31		1	X	" "
	02/03/01	16:25	S-11676-020301-LP-32		1	X	" "
	02/04/01	8:35	S-11676-020401-LP-33		1	X	" "
	02/04/01	8:40	S-11676-020401-LP-34		1	X	" "
	02/04/01	9:40	S-11676-020401-LP-35		1	X	" "
	02/04/01	10:15	S-11676-020401-LP-36	Soils	1	X	24hr turn Around
	TOTAL NUMBER OF CONTAINERS					HEALTH/CHEMICAL HAZARDS	

RELINQUISHED BY: ① [signature]	DATE: 02/05/01 TIME: 11:40	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Fedex WAY BILL No.

White –Fully Executed Copy
Yellow –Receiving Laboratory Copy
Pink –Shipper Copy
Goldenrc Sampler Copy

SAMPLE TEAM: L. Paquette, D. Mapp

RECEIVED FOR LABORATORY BY: Dianne Bell DATE: 2/6/01 TIME: 1000

3°

No 16391

1001 JULY 19/93 R[illegible] (F-42)

SPL, Inc

Analysis Request & Chain of Custody Record

SPL Workorder No: 01020169 | 1771 | page 2 of 3

Client Name: CRA
Address/Phone: (514) 694-0510
Client Contact: Jeff Daniel
Project Name:
Project Number: 11676-10
Project Location:
Invoice To: CRA

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water SL=sludge S=soil O=other:)	bottle (P=plastic G=glass A=amber glass V=vial)	size (1=1 liter 8=8oz 4=4oz 16=16oz 40=vial)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other:)	Number of Containers	Requested Analysis: TCL SVOCs
S-11676-020401-LP-37	02/04/01	10:45			S	G	8		1	X
S-11676-020401-LP-38	02/04/01	11:35			S	G	8		1	X
S-11676-020401-LP-38MS	02/04/01	11:45			S	G	8		1	X
S-11676-020401-LP-38MSD	02/04/01	11:55			S	G	8		1	X
S-11676-020401-LP-39	02/04/01	12:25			S	G	8		1	X
S-11676-020401-LP-40	02/04/01	14:30			S	G	8		1	X
S-11676-020401-LP-41	02/04/01	15:25			S	G	8		1	X
S-11676-020401-LP-42	02/04/01	16:15			S	G	8		1	X
S-11676-020401-DM-112	02/04/01	10:00			S	G	8		1	X
S-11676-020401-DM-113	02/04/01	12:40			S	G	8		1	X

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N
Temp: 3

Requested TAT

24hr ☒ 72hr ☐
48hr ☐ Standard ☐
Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler:	02/05/01	11:20	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory: 2/6/01 1000

☒ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775
☐ 459-Hughes Drive, Traverse City, MI 49684 (616) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 01020169

091773

page 3 of 3

Client Name: CRA

Address/Phone: (314) 884-0510

Client Contact: Jeff Daniel

Project Name:

Project Number: 11676-10

Project Location:

Invoice To: CRA

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=other:)	bottle (P=plastic A=amber glass G=glass V=vial)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other:)	Number of Containers	Requested Analysis: TCL SVOCs
S-11676-020401-DM-114	02/04/01	13h40			S	G	8		1	X
S-11676-020401-DM-115	02/04/01	14[30]			S	G	8		1	X
S-11676-020401-DM-116	02/04/01	15[30]			S	G	8		1	X
S-11676-020401-DM-117	02/04/01	16[15]			S	G	8		1	X

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Temp: 3

Requested TAT

24hr ☒ 72hr ☐

48hr ☐ Standard ☐

Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler:	02/05/01	11 20	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory: Dianna Stell 2/6/01 1000

☐ 8880 [illegible]hange Drive, Houston, TX 77054 (713) 660-0901 ☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 [illegible] 37-4775

☐ 459-H[illegible]s Drive, Traverse City, MI 49684 (616) 947-5777

SR

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

REC'D CRA
FEB 14 2001
SDG: 9

Case Narrative for:

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020004

Report To:

Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Project Name:	#11676, DNAPL
Site:	#11676, DNAPL
Site Address:	
PO Number:	40-013971-0
State:	Michigan
State Cert. No.:	
Date Reported:	2/13/01

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

ORIGINAL ANALYTICAL REPORT
Project#: 11676-10 **Lab#:** 0102000 4
Name: Fields Brook
Description
Event: DNAPL
Samples: 6 Soil (1/30/01)
Analysis: VOC, SVOC
TAT: 24hr not std
Lab: SPL
Checked Against Preliminary Data:
Date: 2/16/01 **Init.:**
Date of Validation Memo:
Invoice Approval Date:
Comments:

Sonia West
West, Sonia
Senior Project Manager

2/13/01
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020004

Report To: Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Fax To: Conestoga-Rovers & Associates
Jeff Daniels fax : (519) 884-0525
Conestoga-Rovers & Associates
Paul Wiseman fax : (734) 942-3080

Project Name: #11676, DNAPL
Site: #11676, DNAPL
Site Address:

PO Number: 40-013971-0
State: Michigan
State Cert. No.:
Date Reported: 2/13/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-013101-DG05	01020004-01	Soil	1/31/01 9:00:00 AM	2/1/01 10:00:00 AM	16393	☐
S-11676-013101-DG06	01020004-02	Soil	1/31/01 9:30:00 AM	2/1/01 10:00:00 AM	16393	☐
S-11676-013101-DG07	01020004-03	Soil	1/31/01 9:55:00 AM	2/1/01 10:00:00 AM	16393	☐
S-11676-013101-DG08	01020004-04	Soil	1/31/01 10:20:00 AM	2/1/01 10:00:00 AM	16393	☐
S-11676-013101-DG09	01020004-05	Soil	1/31/01 12:45:00 PM	2/1/01 10:00:00 AM	16393	☐
S-11676-013101-DG04	01020004-06	Soil	1/31/01	2/1/01 10:00:00 AM	16393	☐

FEB 1 [illegible]

West, Sonia
Senior Project Manager

2/13/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG05 **Collected:** 1/31/01 9:00:00 **SPL Sample ID:** 01020004-01

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		**Units: wt%**		
Percent Moisture	10.5	0		1		02/01/01 16:00	KM	552552

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG05 **Collected:** 1/31/01 9:00:00 **SPL Sample ID:** 01020004-01

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		02/02/01 10:02	P_C	556286
1,2-Dichlorobenzene	74	56		1		02/02/01 10:02	P_C	556286
1,3-Dichlorobenzene	ND	56		1		02/02/01 10:02	P_C	556286
1,4-Dichlorobenzene	ND	56		1		02/02/01 10:02	P_C	556286
2,4,5-Trichlorophenol	ND	1900		1		02/02/01 10:02	P_C	556286
2,4,6-Trichlorophenol	ND	370		1		02/02/01 10:02	P_C	556286
2,4-Dichlorophenol	ND	370		1		02/02/01 10:02	P_C	556286
2,4-Dimethylphenol	ND	370		1		02/02/01 10:02	P_C	556286
2,4-Dinitrophenol	ND	1900		1		02/02/01 10:02	P_C	556286
2,4-Dinitrotoluene	ND	370		1		02/02/01 10:02	P_C	556286
2,6-Dinitrotoluene	ND	370		1		02/02/01 10:02	P_C	556286
2-Chloronaphthalene	ND	370		1		02/02/01 10:02	P_C	556286
2-Chlorophenol	ND	370		1		02/02/01 10:02	P_C	556286
2-Methylnaphthalene	ND	370		1		02/02/01 10:02	P_C	556286
2-Nitroaniline	ND	1900		1		02/02/01 10:02	P_C	556286
2-Nitrophenol	ND	1900		1		02/02/01 10:02	P_C	556286
3,3'-Dichlorobenzidine	ND	2200		1		02/02/01 10:02	P_C	556286
3-Nitroaniline	ND	1900		1		02/02/01 10:02	P_C	556286
4,6-Dinitro-2-methylphenol	ND	1900		1		02/02/01 10:02	P_C	556286
4-Bromophenyl phenyl ether	ND	370		1		02/02/01 10:02	P_C	556286
4-Chloro-3-methylphenol	ND	1500		1		02/02/01 10:02	P_C	556286
4-Chloroaniline	ND	370		1		02/02/01 10:02	P_C	556286
4-Chlorophenyl phenyl ether	ND	370		1		02/02/01 10:02	P_C	556286
4-Nitroaniline	ND	1900		1		02/02/01 10:02	P_C	556286
4-Nitrophenol	ND	890		1		02/02/01 10:02	P_C	556286
Acenaphthene	ND	370		1		02/02/01 10:02	P_C	556286
Acenaphthylene	ND	370		1		02/02/01 10:02	P_C	556286
Anthracene	ND	370		1		02/02/01 10:02	P_C	556286
Benz(a)anthracene	ND	370		1		02/02/01 10:02	P_C	556286
Benzo(a)pyrene	ND	370		1		02/02/01 10:02	P_C	556286
Benzo(b)fluoranthene	ND	370		1		02/02/01 10:02	P_C	556286
Benzo(g,h,i)perylene	ND	370		1		02/02/01 10:02	P_C	556286
Benzo(k)fluoranthene	ND	370		1		02/02/01 10:02	P_C	556286
Bis(2-chloroethoxy)methane	ND	370		1		02/02/01 10:02	P_C	556286
Bis(2-chloroethyl)ether	ND	370		1		02/02/01 10:02	P_C	556286
Bis(2-chloroisopropyl)ether	ND	370		1		02/02/01 10:02	P_C	556286
Bis(2-ethylhexyl)phthalate	ND	370		1		02/02/01 10:02	P_C	556286
Butyl benzyl phthalate	ND	370		1		02/02/01 10:02	P_C	556286
Carbazole	ND	370		1		02/02/01 10:02	P_C	556286
Chrysene	ND	370		1		02/02/01 10:02	P_C	556286

Qualifiers:
- ND/U - Not Detected at the Reporting Limit
- B - Analyte detected in the associated Method Blank
- * - Surrogate Recovery Outside Advisable QC Limits
- J - Estimated Value between MDL and PQL
- >MCL - Result Over Maximum Contamination Limit(MCL)
- D - Surrogate Recovery Unreportable due to Dilution
- MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG05 **Collected:** 1/31/01 9:00:00 **SPL Sample ID:** 01020004-01

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/02/01 10:02	P_C	556286
Di-n-octyl phthalate	ND		370	1		02/02/01 10:02	P_C	556286
Dibenz(a,h)anthracene	ND		370	1		02/02/01 10:02	P_C	556286
Dibenzofuran	ND		370	1		02/02/01 10:02	P_C	556286
Diethyl phthalate	ND		370	1		02/02/01 10:02	P_C	556286
Dimethyl phthalate	ND		370	1		02/02/01 10:02	P_C	556286
Fluoranthene	ND		370	1		02/02/01 10:02	P_C	556286
Fluorene	ND		370	1		02/02/01 10:02	P_C	556286
Hexachlorobenzene	ND		370	1		02/02/01 10:02	P_C	556286
Hexachlorobutadiene	ND		370	1		02/02/01 10:02	P_C	556286
Hexachlorocyclopentadiene	ND		370	1		02/02/01 10:02	P_C	556286
Hexachloroethane	ND		110	1		02/02/01 10:02	P_C	556286
Indeno(1,2,3-cd)pyrene	ND		370	1		02/02/01 10:02	P_C	556286
Isophorone	ND		370	1		02/02/01 10:02	P_C	556286
N-Nitrosodi-n-propylamine	ND		370	1		02/02/01 10:02	P_C	556286
N-Nitrosodiphenylamine	ND		370	1		02/02/01 10:02	P_C	556286
Naphthalene	ND		370	1		02/02/01 10:02	P_C	556286
Nitrobenzene	ND		370	1		02/02/01 10:02	P_C	556286
Pentachlorophenol	ND		3800	1		02/02/01 10:02	P_C	556286
Phenanthrene	ND		370	1		02/02/01 10:02	P_C	556286
Phenol	ND		370	1		02/02/01 10:02	P_C	556286
Pyrene	ND		370	1		02/02/01 10:02	P_C	556286
2-Methylphenol	ND		370	1		02/02/01 10:02	P_C	556286
3 & 4-Methylphenol	ND		370	1		02/02/01 10:02	P_C	556286
Surr: 2,4,6-Tribromophenol	64.0	%	19-122	1		02/02/01 10:02	P_C	556286
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		02/02/01 10:02	P_C	556286
Surr: 2-Fluorophenol	72.0	%	25-121	1		02/02/01 10:02	P_C	556286
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/02/01 10:02	P_C	556286
Surr: Phenol-d5	72.0	%	24-113	1		02/02/01 10:02	P_C	556286
Surr: Terphenyl-d14	94.1	%	18-137	1		02/02/01 10:02	P_C	556286

Prep Method	Prep Date	Prep Initials
SW3550B	02/01/2001 10:27	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG05 | Collected: 1/31/01 9:00:00 | SPL Sample ID: 01020004-01

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/05/01 21:13	TP	560720
1,1,2,2-Tetrachloroethane	270		56		50		02/05/01 21:13	TP	560720
1,1,2-Trichloroethane	200		56		50		02/05/01 21:13	TP	560720
1,1-Dichloroethane	ND		56		50		02/05/01 21:13	TP	560720
1,1-Dichloroethene	1200		56		50		02/05/01 21:13	TP	560720
1,2-Dichloroethane	ND		56		50		02/05/01 21:13	TP	560720
1,2-Dichloropropane	ND		56		50		02/05/01 21:13	TP	560720
2-Butanone	ND		2800		50		02/05/01 21:13	TP	560720
2-Hexanone	ND		2800		50		02/05/01 21:13	TP	560720
4-Methyl-2-pentanone	ND		2800		50		02/05/01 21:13	TP	560720
Acetone	ND		5600		50		02/05/01 21:13	TP	560720
Benzene	480		56		50		02/05/01 21:13	TP	560720
Bromodichloromethane	ND		56		50		02/05/01 21:13	TP	560720
Bromoform	ND		56		50		02/05/01 21:13	TP	560720
Bromomethane	ND		56		50		02/05/01 21:13	TP	560720
Carbon disulfide	ND		280		50		02/05/01 21:13	TP	560720
Carbon tetrachloride	ND		56		50		02/05/01 21:13	TP	560720
Chlorobenzene	ND		56		50		02/05/01 21:13	TP	560720
Chloroethane	ND		560		50		02/05/01 21:13	TP	560720
Chloroform	ND		56		50		02/05/01 21:13	TP	560720
Chloromethane	ND		560		50		02/05/01 21:13	TP	560720
dibromochloromethane	ND		56		50		02/05/01 21:13	TP	560720
Ethylbenzene	280		56		50		02/05/01 21:13	TP	560720
Methylene chloride	ND		280		50		02/05/01 21:13	TP	560720
Styrene	ND		56		50		02/05/01 21:13	TP	560720
Tetrachloroethene	86000		5600		5000		02/07/01 16:31	TP	559950
Toluene	150		56		50		02/05/01 21:13	TP	560720
trans-1,3-Dichloropropene	ND		56		50		02/05/01 21:13	TP	560720
Trichloroethene	380000		5600		5000		02/07/01 16:31	TP	559950
Vinyl chloride	170		56		50		02/05/01 21:13	TP	560720
cis-1,2-Dichloroethene	7000		56		50		02/05/01 21:13	TP	560720
cis-1,3-Dichloropropene	ND		56		50		02/05/01 21:13	TP	560720
trans-1,2-Dichloroethene	650		56		50		02/05/01 21:13	TP	560720
Xylenes,Total	740		170		50		02/05/01 21:13	TP	560720
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		5000		02/07/01 16:31	TP	559950
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		50		02/05/01 21:13	TP	560720
Surr: 4-Bromofluorobenzene	104	%	74-130		50		02/05/01 21:13	TP	560720
Surr: 4-Bromofluorobenzene	92.0	%	74-130		5000		02/07/01 16:31	TP	559950
Surr: Toluene-d8	96.0	%	80-140		50		02/05/01 21:13	TP	560720
Surr: Toluene-d8	96.0	%	80-140		5000		02/07/01 16:31	TP	559950

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG06 **Collected:** 1/31/01 9:30:00 **SPL Sample ID:** 01020004-02

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	11.6	0		1		02/01/01 16:00	KM	552554

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG06 **Collected:** 1/31/01 9:30:00 **SPL Sample ID:** 01020004-02

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		02/02/01 10:30	P_C	556287
1,2-Dichlorobenzene	240	57		1		02/02/01 10:30	P_C	556287
1,3-Dichlorobenzene	ND	57		1		02/02/01 10:30	P_C	556287
1,4-Dichlorobenzene	ND	57		1		02/02/01 10:30	P_C	556287
2,4,5-Trichlorophenol	ND	1900		1		02/02/01 10:30	P_C	556287
2,4,6-Trichlorophenol	ND	370		1		02/02/01 10:30	P_C	556287
2,4-Dichlorophenol	ND	370		1		02/02/01 10:30	P_C	556287
2,4-Dimethylphenol	ND	370		1		02/02/01 10:30	P_C	556287
2,4-Dinitrophenol	ND	1900		1		02/02/01 10:30	P_C	556287
2,4-Dinitrotoluene	ND	370		1		02/02/01 10:30	P_C	556287
2,6-Dinitrotoluene	ND	370		1		02/02/01 10:30	P_C	556287
2-Chloronaphthalene	ND	370		1		02/02/01 10:30	P_C	556287
2-Chlorophenol	ND	370		1		02/02/01 10:30	P_C	556287
2-Methylnaphthalene	ND	370		1		02/02/01 10:30	P_C	556287
2-Nitroaniline	ND	1900		1		02/02/01 10:30	P_C	556287
2-Nitrophenol	ND	1900		1		02/02/01 10:30	P_C	556287
3,3'-Dichlorobenzidine	ND	2300		1		02/02/01 10:30	P_C	556287
3-Nitroaniline	ND	1900		1		02/02/01 10:30	P_C	556287
4,6-Dinitro-2-methylphenol	ND	1900		1		02/02/01 10:30	P_C	556287
4-Bromophenyl phenyl ether	ND	370		1		02/02/01 10:30	P_C	556287
4-Chloro-3-methylphenol	ND	1500		1		02/02/01 10:30	P_C	556287
4-Chloroaniline	ND	370		1		02/02/01 10:30	P_C	556287
4-Chlorophenyl phenyl ether	ND	370		1		02/02/01 10:30	P_C	556287
4-Nitroaniline	ND	1900		1		02/02/01 10:30	P_C	556287
4-Nitrophenol	ND	900		1		02/02/01 10:30	P_C	556287
Acenaphthene	ND	370		1		02/02/01 10:30	P_C	556287
Acenaphthylene	ND	370		1		02/02/01 10:30	P_C	556287
Anthracene	ND	370		1		02/02/01 10:30	P_C	556287
Benz(a)anthracene	ND	370		1		02/02/01 10:30	P_C	556287
Benzo(a)pyrene	ND	370		1		02/02/01 10:30	P_C	556287
Benzo(b)fluoranthene	ND	370		1		02/02/01 10:30	P_C	556287
Benzo(g,h,i)perylene	ND	370		1		02/02/01 10:30	P_C	556287
Benzo(k)fluoranthene	ND	370		1		02/02/01 10:30	P_C	556287
Bis(2-chloroethoxy)methane	ND	370		1		02/02/01 10:30	P_C	556287
Bis(2-chloroethyl)ether	ND	370		1		02/02/01 10:30	P_C	556287
Bis(2-chloroisopropyl)ether	ND	370		1		02/02/01 10:30	P_C	556287
Bis(2-ethylhexyl)phthalate	ND	370		1		02/02/01 10:30	P_C	556287
Butyl benzyl phthalate	ND	370		1		02/02/01 10:30	P_C	556287
Carbazole	ND	370		1		02/02/01 10:30	P_C	556287
Chrysene	ND	370		1		02/02/01 10:30	P_C	556287

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG06 **Collected:** 1/31/01 9:30:00 **SPL Sample ID:** 01020004-02

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/02/01 10:30	P_C	556287
Di-n-octyl phthalate	ND		370	1		02/02/01 10:30	P_C	556287
Dibenz(a,h)anthracene	ND		370	1		02/02/01 10:30	P_C	556287
Dibenzofuran	ND		370	1		02/02/01 10:30	P_C	556287
Diethyl phthalate	ND		370	1		02/02/01 10:30	P_C	556287
Dimethyl phthalate	ND		370	1		02/02/01 10:30	P_C	556287
Fluoranthene	ND		370	1		02/02/01 10:30	P_C	556287
Fluorene	ND		370	1		02/02/01 10:30	P_C	556287
Hexachlorobenzene	400		370	1		02/02/01 10:30	P_C	556287
Hexachlorobutadiene	670		370	1		02/02/01 10:30	P_C	556287
Hexachlorocyclopentadiene	ND		370	1		02/02/01 10:30	P_C	556287
Hexachloroethane	900		110	1		02/02/01 10:30	P_C	556287
Indeno(1,2,3-cd)pyrene	ND		370	1		02/02/01 10:30	P_C	556287
Isophorone	ND		370	1		02/02/01 10:30	P_C	556287
N-Nitrosodi-n-propylamine	ND		370	1		02/02/01 10:30	P_C	556287
N-Nitrosodiphenylamine	ND		370	1		02/02/01 10:30	P_C	556287
Naphthalene	ND		370	1		02/02/01 10:30	P_C	556287
Nitrobenzene	ND		370	1		02/02/01 10:30	P_C	556287
Pentachlorophenol	ND		3800	1		02/02/01 10:30	P_C	556287
Phenanthrene	ND		370	1		02/02/01 10:30	P_C	556287
Phenol	ND		370	1		02/02/01 10:30	P_C	556287
Pyrene	ND		370	1		02/02/01 10:30	P_C	556287
2-Methylphenol	ND		370	1		02/02/01 10:30	P_C	556287
3 & 4-Methylphenol	ND		370	1		02/02/01 10:30	P_C	556287
Surr: 2,4,6-Tribromophenol	68.0	%	19-122	1		02/02/01 10:30	P_C	556287
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		02/02/01 10:30	P_C	556287
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/02/01 10:30	P_C	556287
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/02/01 10:30	P_C	556287
Surr: Phenol-d5	68.0	%	24-113	1		02/02/01 10:30	P_C	556287
Surr: Terphenyl-d14	100	%	18-137	1		02/02/01 10:30	P_C	556287

Prep Method	Prep Date	Prep Initials
SW3550B	02/01/2001 10:27	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG06 **Collected:** 1/31/01 9:30:00 **SPL Sample ID:** 01020004-02

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		57		50		02/05/01 21:38	TP	560721
1,1,2,2-Tetrachloroethane	1800		57		50		02/05/01 21:38	TP	560721
1,1,2-Trichloroethane	360		57		50		02/05/01 21:38	TP	560721
1,1-Dichloroethane	ND		57		50		02/05/01 21:38	TP	560721
1,1-Dichloroethene	2100		57		50		02/05/01 21:38	TP	560721
1,2-Dichloroethane	ND		57		50		02/05/01 21:38	TP	560721
1,2-Dichloropropane	ND		57		50		02/05/01 21:38	TP	560721
2-Butanone	ND		2800		50		02/05/01 21:38	TP	560721
2-Hexanone	ND		2800		50		02/05/01 21:38	TP	560721
4-Methyl-2-pentanone	ND		2800		50		02/05/01 21:38	TP	560721
Acetone	ND		5700		50		02/05/01 21:38	TP	560721
Benzene	110		57		50		02/05/01 21:38	TP	560721
Bromodichloromethane	ND		57		50		02/05/01 21:38	TP	560721
Bromoform	ND		57		50		02/05/01 21:38	TP	560721
Bromomethane	ND		57		50		02/05/01 21:38	TP	560721
Carbon disulfide	ND		280		50		02/05/01 21:38	TP	560721
Carbon tetrachloride	ND		57		50		02/05/01 21:38	TP	560721
Chlorobenzene	ND		57		50		02/05/01 21:38	TP	560721
Chloroethane	ND		570		50		02/05/01 21:38	TP	560721
Chloroform	ND		57		50		02/05/01 21:38	TP	560721
Chloromethane	ND		570		50		02/05/01 21:38	TP	560721
dibromochloromethane	ND		57		50		02/05/01 21:38	TP	560721
Ethylbenzene	430		57		50		02/05/01 21:38	TP	560721
Methylene chloride	ND		280		50		02/05/01 21:38	TP	560721
Styrene	ND		57		50		02/05/01 21:38	TP	560721
Tetrachloroethene	370000		5700		5000		02/07/01 16:57	TP	559954
Toluene	ND		57		50		02/05/01 21:38	TP	560721
trans-1,3-Dichloropropene	ND		57		50		02/05/01 21:38	TP	560721
Trichloroethene	330000		5700		5000		02/07/01 16:57	TP	559954
Vinyl chloride	190		57		50		02/05/01 21:38	TP	560721
cis-1,2-Dichloroethene	7800		57		50		02/05/01 21:38	TP	560721
cis-1,3-Dichloropropene	ND		57		50		02/05/01 21:38	TP	560721
trans-1,2-Dichloroethene	480		57		50		02/05/01 21:38	TP	560721
Xylenes,Total	360		170		50		02/05/01 21:38	TP	560721
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		5000		02/07/01 16:57	TP	559954
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		50		02/05/01 21:38	TP	560721
Surr: 4-Bromofluorobenzene	96.0	%	74-130		5000		02/07/01 16:57	TP	559954
Surr: 4-Bromofluorobenzene	96.0	%	74-130		50		02/05/01 21:38	TP	560721
Surr: Toluene-d8	100	%	80-140		50		02/05/01 21:38	TP	560721
Surr: Toluene-d8	96.0	%	80-140		5000		02/07/01 16:57	TP	559954

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG07 **Collected:** 1/31/01 9:55:00 **SPL Sample ID:** 01020004-03

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	10.4	0		1		02/01/01 16:00	KM	552555

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG07 | Collected: 1/31/01 9:55:00 | SPL Sample ID: 01020004-03

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		02/02/01 10:58	P_C	556288
1,2-Dichlorobenzene	ND	56		1		02/02/01 10:58	P_C	556288
1,3-Dichlorobenzene	ND	56		1		02/02/01 10:58	P_C	556288
1,4-Dichlorobenzene	ND	56		1		02/02/01 10:58	P_C	556288
2,4,5-Trichlorophenol	ND	1900		1		02/02/01 10:58	P_C	556288
2,4,6-Trichlorophenol	ND	370		1		02/02/01 10:58	P_C	556288
2,4-Dichlorophenol	ND	370		1		02/02/01 10:58	P_C	556288
2,4-Dimethylphenol	ND	370		1		02/02/01 10:58	P_C	556288
2,4-Dinitrophenol	ND	1900		1		02/02/01 10:58	P_C	556288
2,4-Dinitrotoluene	ND	370		1		02/02/01 10:58	P_C	556288
2,6-Dinitrotoluene	ND	370		1		02/02/01 10:58	P_C	556288
2-Chloronaphthalene	ND	370		1		02/02/01 10:58	P_C	556288
2-Chlorophenol	ND	370		1		02/02/01 10:58	P_C	556288
2-Methylnaphthalene	ND	370		1		02/02/01 10:58	P_C	556288
2-Nitroaniline	ND	1900		1		02/02/01 10:58	P_C	556288
2-Nitrophenol	ND	1900		1		02/02/01 10:58	P_C	556288
3,3'-Dichlorobenzidine	ND	2200		1		02/02/01 10:58	P_C	556288
3-Nitroaniline	ND	1900		1		02/02/01 10:58	P_C	556288
4,6-Dinitro-2-methylphenol	ND	1900		1		02/02/01 10:58	P_C	556288
4-Bromophenyl phenyl ether	ND	370		1		02/02/01 10:58	P_C	556288
4-Chloro-3-methylphenol	ND	1500		1		02/02/01 10:58	P_C	556288
4-Chloroaniline	ND	370		1		02/02/01 10:58	P_C	556288
4-Chlorophenyl phenyl ether	ND	370		1		02/02/01 10:58	P_C	556288
4-Nitroaniline	ND	1900		1		02/02/01 10:58	P_C	556288
4-Nitrophenol	ND	890		1		02/02/01 10:58	P_C	556288
Acenaphthene	ND	370		1		02/02/01 10:58	P_C	556288
Acenaphthylene	ND	370		1		02/02/01 10:58	P_C	556288
Anthracene	ND	370		1		02/02/01 10:58	P_C	556288
Benz(a)anthracene	ND	370		1		02/02/01 10:58	P_C	556288
Benzo(a)pyrene	ND	370		1		02/02/01 10:58	P_C	556288
Benzo(b)fluoranthene	ND	370		1		02/02/01 10:58	P_C	556288
Benzo(g,h,i)perylene	ND	370		1		02/02/01 10:58	P_C	556288
Benzo(k)fluoranthene	ND	370		1		02/02/01 10:58	P_C	556288
Bis(2-chloroethoxy)methane	ND	370		1		02/02/01 10:58	P_C	556288
Bis(2-chloroethyl)ether	ND	370		1		02/02/01 10:58	P_C	556288
Bis(2-chloroisopropyl)ether	ND	370		1		02/02/01 10:58	P_C	556288
Bis(2-ethylhexyl)phthalate	ND	370		1		02/02/01 10:58	P_C	556288
Butyl benzyl phthalate	ND	370		1		02/02/01 10:58	P_C	556288
Carbazole	ND	370		1		02/02/01 10:58	P_C	556288
Chrysene	ND	370		1		02/02/01 10:58	P_C	556288

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG07 **Collected:** 1/31/01 9:55:00 **SPL Sample ID:** 01020004-03

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/02/01 10:58	P_C	556288
Di-n-octyl phthalate	ND		370	1		02/02/01 10:58	P_C	556288
Dibenz(a,h)anthracene	ND		370	1		02/02/01 10:58	P_C	556288
Dibenzofuran	ND		370	1		02/02/01 10:58	P_C	556288
Diethyl phthalate	ND		370	1		02/02/01 10:58	P_C	556288
Dimethyl phthalate	ND		370	1		02/02/01 10:58	P_C	556288
Fluoranthene	ND		370	1		02/02/01 10:58	P_C	556288
Fluorene	ND		370	1		02/02/01 10:58	P_C	556288
Hexachlorobenzene	ND		370	1		02/02/01 10:58	P_C	556288
Hexachlorobutadiene	ND		370	1		02/02/01 10:58	P_C	556288
Hexachlorocyclopentadiene	ND		370	1		02/02/01 10:58	P_C	556288
Hexachloroethane	ND		110	1		02/02/01 10:58	P_C	556288
Indeno(1,2,3-cd)pyrene	ND		370	1		02/02/01 10:58	P_C	556288
Isophorone	ND		370	1		02/02/01 10:58	P_C	556288
N-Nitrosodi-n-propylamine	ND		370	1		02/02/01 10:58	P_C	556288
N-Nitrosodiphenylamine	ND		370	1		02/02/01 10:58	P_C	556288
Naphthalene	ND		370	1		02/02/01 10:58	P_C	556288
Nitrobenzene	ND		370	1		02/02/01 10:58	P_C	556288
Pentachlorophenol	ND		3800	1		02/02/01 10:58	P_C	556288
Phenanthrene	ND		370	1		02/02/01 10:58	P_C	556288
Phenol	ND		370	1		02/02/01 10:58	P_C	556288
Pyrene	ND		370	1		02/02/01 10:58	P_C	556288
2-Methylphenol	ND		370	1		02/02/01 10:58	P_C	556288
3 & 4-Methylphenol	ND		370	1		02/02/01 10:58	P_C	556288
Surr: 2,4,6-Tribromophenol	56.0	%	19-122	1		02/02/01 10:58	P_C	556288
Surr: 2-Fluorobiphenyl	64.7	%	30-115	1		02/02/01 10:58	P_C	556288
Surr: 2-Fluorophenol	64.0	%	25-121	1		02/02/01 10:58	P_C	556288
Surr: Nitrobenzene-d5	58.2	%	23-120	1		02/02/01 10:58	P_C	556288
Surr: Phenol-d5	68.0	%	24-113	1		02/02/01 10:58	P_C	556288
Surr: Terphenyl-d14	82.4	%	18-137	1		02/02/01 10:58	P_C	556288

Prep Method	Prep Date	Prep Initials
SW3550B	02/01/2001 10:27	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG07 | Collected: 1/31/01 9:55:00 | SPL Sample ID: 01020004-03

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		56		50		02/05/01 22:04	TP	560722
1,1,2,2-Tetrachloroethane	ND		56		50		02/05/01 22:04	TP	560722
1,1,2-Trichloroethane	ND		56		50		02/05/01 22:04	TP	560722
1,1-Dichloroethane	ND		56		50		02/05/01 22:04	TP	560722
1,1-Dichloroethene	1600		56		50		02/05/01 22:04	TP	560722
1,2-Dichloroethane	ND		56		50		02/05/01 22:04	TP	560722
1,2-Dichloropropane	ND		56		50		02/05/01 22:04	TP	560722
2-Butanone	ND		2800		50		02/05/01 22:04	TP	560722
2-Hexanone	ND		2800		50		02/05/01 22:04	TP	560722
4-Methyl-2-pentanone	ND		2800		50		02/05/01 22:04	TP	560722
Acetone	ND		5600		50		02/05/01 22:04	TP	560722
Benzene	ND		56		50		02/05/01 22:04	TP	560722
Bromodichloromethane	ND		56		50		02/05/01 22:04	TP	560722
Bromoform	ND		56		50		02/05/01 22:04	TP	560722
Bromomethane	ND		56		50		02/05/01 22:04	TP	560722
Carbon disulfide	ND		280		50		02/05/01 22:04	TP	560722
Carbon tetrachloride	ND		56		50		02/05/01 22:04	TP	560722
Chlorobenzene	ND		56		50		02/05/01 22:04	TP	560722
Chloroethane	ND		560		50		02/05/01 22:04	TP	560722
Chloroform	ND		56		50		02/05/01 22:04	TP	560722
Chloromethane	ND		560		50		02/05/01 22:04	TP	560722
dibromochloromethane	ND		56		50		02/05/01 22:04	TP	560722
Ethylbenzene	ND		56		50		02/05/01 22:04	TP	560722
Methylene chloride	ND		280		50		02/05/01 22:04	TP	560722
Styrene	ND		56		50		02/05/01 22:04	TP	560722
Tetrachloroethene	570		56		50		02/05/01 22:04	TP	560722
Toluene	ND		56		50		02/05/01 22:04	TP	560722
trans-1,3-Dichloropropene	ND		56		50		02/05/01 22:04	TP	560722
Trichloroethene	26000		560		500		02/07/01 15:09	TP	559940
Vinyl chloride	ND		56		50		02/05/01 22:04	TP	560722
cis-1,2-Dichloroethene	300		56		50		02/05/01 22:04	TP	560722
cis-1,3-Dichloropropene	ND		56		50		02/05/01 22:04	TP	560722
trans-1,2-Dichloroethene	ND		56		50		02/05/01 22:04	TP	560722
Xylenes,Total	ND		170		50		02/05/01 22:04	TP	560722
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		500		02/07/01 15:09	TP	559940
Surr: 1,2-Dichloroethane-d4	84.0	%	70-120		50		02/05/01 22:04	TP	560722
Surr: 4-Bromofluorobenzene	96.0	%	74-130		50		02/05/01 22:04	TP	560722
Surr: 4-Bromofluorobenzene	92.0	%	74-130		500		02/07/01 15:09	TP	559940
Surr: Toluene-d8	100	%	80-140		50		02/05/01 22:04	TP	560722
Surr: Toluene-d8	100	%	80-140		500		02/07/01 15:09	TP	559940

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG08 **Collected:** 1/31/01 10:20:00 **SPL Sample ID:** 01020004-04

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	**Units: wt%**		
Percent Moisture	10.5	0		1		02/01/01 16:00	KM	552556

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG08 **Collected:** 1/31/01 10:20:00 **SPL Sample ID:** 01020004-04

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		02/02/01 11:26	P_C	556289
1,2-Dichlorobenzene	460	56		1		02/02/01 11:26	P_C	556289
1,3-Dichlorobenzene	ND	56		1		02/02/01 11:26	P_C	556289
1,4-Dichlorobenzene	ND	56		1		02/02/01 11:26	P_C	556289
2,4,5-Trichlorophenol	ND	1900		1		02/02/01 11:26	P_C	556289
2,4,6-Trichlorophenol	ND	370		1		02/02/01 11:26	P_C	556289
2,4-Dichlorophenol	ND	370		1		02/02/01 11:26	P_C	556289
2,4-Dimethylphenol	ND	370		1		02/02/01 11:26	P_C	556289
2,4-Dinitrophenol	ND	1900		1		02/02/01 11:26	P_C	556289
2,4-Dinitrotoluene	ND	370		1		02/02/01 11:26	P_C	556289
2,6-Dinitrotoluene	ND	370		1		02/02/01 11:26	P_C	556289
2-Chloronaphthalene	ND	370		1		02/02/01 11:26	P_C	556289
2-Chlorophenol	ND	370		1		02/02/01 11:26	P_C	556289
2-Methylnaphthalene	ND	370		1		02/02/01 11:26	P_C	556289
2-Nitroaniline	ND	1900		1		02/02/01 11:26	P_C	556289
2-Nitrophenol	ND	1900		1		02/02/01 11:26	P_C	556289
3,3'-Dichlorobenzidine	ND	2200		1		02/02/01 11:26	P_C	556289
3-Nitroaniline	ND	1900		1		02/02/01 11:26	P_C	556289
4,6-Dinitro-2-methylphenol	ND	1900		1		02/02/01 11:26	P_C	556289
4-Bromophenyl phenyl ether	ND	370		1		02/02/01 11:26	P_C	556289
4-Chloro-3-methylphenol	ND	1500		1		02/02/01 11:26	P_C	556289
4-Chloroaniline	ND	370		1		02/02/01 11:26	P_C	556289
4-Chlorophenyl phenyl ether	ND	370		1		02/02/01 11:26	P_C	556289
4-Nitroaniline	ND	1900		1		02/02/01 11:26	P_C	556289
4-Nitrophenol	ND	890		1		02/02/01 11:26	P_C	556289
Acenaphthene	ND	370		1		02/02/01 11:26	P_C	556289
Acenaphthylene	ND	370		1		02/02/01 11:26	P_C	556289
Anthracene	ND	370		1		02/02/01 11:26	P_C	556289
Benz(a)anthracene	ND	370		1		02/02/01 11:26	P_C	556289
Benzo(a)pyrene	ND	370		1		02/02/01 11:26	P_C	556289
Benzo(b)fluoranthene	ND	370		1		02/02/01 11:26	P_C	556289
Benzo(g,h,i)perylene	ND	370		1		02/02/01 11:26	P_C	556289
Benzo(k)fluoranthene	ND	370		1		02/02/01 11:26	P_C	556289
Bis(2-chloroethoxy)methane	ND	370		1		02/02/01 11:26	P_C	556289
Bis(2-chloroethyl)ether	ND	370		1		02/02/01 11:26	P_C	556289
Bis(2-chloroisopropyl)ether	ND	370		1		02/02/01 11:26	P_C	556289
Bis(2-ethylhexyl)phthalate	ND	370		1		02/02/01 11:26	P_C	556289
Butyl benzyl phthalate	ND	370		1		02/02/01 11:26	P_C	556289
Carbazole	ND	370		1		02/02/01 11:26	P_C	556289
Chrysene	ND	370		1		02/02/01 11:26	P_C	556289

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG08 **Collected:** 1/31/01 10:20:00 **SPL Sample ID:** 01020004-04

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/02/01 11:26	P_C	556289
Di-n-octyl phthalate	ND		370	1		02/02/01 11:26	P_C	556289
Dibenz(a,h)anthracene	ND		370	1		02/02/01 11:26	P_C	556289
Dibenzofuran	ND		370	1		02/02/01 11:26	P_C	556289
Diethyl phthalate	ND		370	1		02/02/01 11:26	P_C	556289
Dimethyl phthalate	ND		370	1		02/02/01 11:26	P_C	556289
Fluoranthene	ND		370	1		02/02/01 11:26	P_C	556289
Fluorene	ND		370	1		02/02/01 11:26	P_C	556289
Hexachlorobenzene	630		370	1		02/02/01 11:26	P_C	556289
Hexachlorobutadiene	1100		370	1		02/02/01 11:26	P_C	556289
Hexachlorocyclopentadiene	ND		370	1		02/02/01 11:26	P_C	556289
Hexachloroethane	ND		110	1		02/02/01 11:26	P_C	556289
Indeno(1,2,3-cd)pyrene	ND		370	1		02/02/01 11:26	P_C	556289
Isophorone	ND		370	1		02/02/01 11:26	P_C	556289
N-Nitrosodi-n-propylamine	ND		370	1		02/02/01 11:26	P_C	556289
N-Nitrosodiphenylamine	ND		370	1		02/02/01 11:26	P_C	556289
Naphthalene	ND		370	1		02/02/01 11:26	P_C	556289
Nitrobenzene	ND		370	1		02/02/01 11:26	P_C	556289
Pentachlorophenol	ND		3800	1		02/02/01 11:26	P_C	556289
Phenanthrene	ND		370	1		02/02/01 11:26	P_C	556289
Phenol	ND		370	1		02/02/01 11:26	P_C	556289
Pyrene	ND		370	1		02/02/01 11:26	P_C	556289
2-Methylphenol	ND		370	1		02/02/01 11:26	P_C	556289
3 & 4-Methylphenol	ND		370	1		02/02/01 11:26	P_C	556289
Surr: 2,4,6-Tribromophenol	60.0	%	19-122	1		02/02/01 11:26	P_C	556289
Surr: 2-Fluorobiphenyl	58.8	%	30-115	1		02/02/01 11:26	P_C	556289
Surr: 2-Fluorophenol	56.0	%	25-121	1		02/02/01 11:26	P_C	556289
Surr: Nitrobenzene-d5	57.1	%	23-120	1		02/02/01 11:26	P_C	556289
Surr: Phenol-d5	60.0	%	24-113	1		02/02/01 11:26	P_C	556289
Surr: Terphenyl-d14	70.6	%	18-137	1		02/02/01 11:26	P_C	556289

Prep Method	Prep Date	Prep Initials
SW3550B	02/01/2001 10:27	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG08 Collected: 1/31/01 10:20:00 SPL Sample ID: 01020004-04

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/07/01 12:53	TP	558974
1,1,2,2-Tetrachloroethane	ND		56		50		02/07/01 12:53	TP	558974
1,1,2-Trichloroethane	ND		56		50		02/07/01 12:53	TP	558974
1,1-Dichloroethane	ND		56		50		02/07/01 12:53	TP	558974
1,1-Dichloroethene	360		56		50		02/07/01 12:53	TP	558974
1,2-Dichloroethane	ND		56		50		02/07/01 12:53	TP	558974
1,2-Dichloropropane	ND		56		50		02/07/01 12:53	TP	558974
2-Butanone	ND		2800		50		02/07/01 12:53	TP	558974
2-Hexanone	ND		2800		50		02/07/01 12:53	TP	558974
4-Methyl-2-pentanone	ND		2800		50		02/07/01 12:53	TP	558974
Acetone	ND		5600		50		02/07/01 12:53	TP	558974
Benzene	ND		56		50		02/07/01 12:53	TP	558974
Bromodichloromethane	ND		56		50		02/07/01 12:53	TP	558974
Bromoform	ND		56		50		02/07/01 12:53	TP	558974
Bromomethane	ND		56		50		02/07/01 12:53	TP	558974
Carbon disulfide	ND		280		50		02/07/01 12:53	TP	558974
Carbon tetrachloride	ND		56		50		02/07/01 12:53	TP	558974
Chlorobenzene	ND		56		50		02/07/01 12:53	TP	558974
Chloroethane	ND		560		50		02/07/01 12:53	TP	558974
Chloroform	ND		56		50		02/07/01 12:53	TP	558974
Chloromethane	ND		560		50		02/07/01 12:53	TP	558974
dibromochloromethane	ND		56		50		02/07/01 12:53	TP	558974
Ethylbenzene	ND		56		50		02/07/01 12:53	TP	558974
Methylene chloride	ND		280		50		02/07/01 12:53	TP	558974
Styrene	ND		56		50		02/07/01 12:53	TP	558974
Tetrachloroethene	270000		5600		5000		02/07/01 17:23	TP	559955
Toluene	ND		56		50		02/07/01 12:53	TP	558974
trans-1,3-Dichloropropene	ND		56		50		02/07/01 12:53	TP	558974
Trichloroethene	200000		5600		5000		02/07/01 17:23	TP	559955
Vinyl chloride	ND		56		50		02/07/01 12:53	TP	558974
cis-1,2-Dichloroethene	840		56		50		02/07/01 12:53	TP	558974
cis-1,3-Dichloropropene	ND		56		50		02/07/01 12:53	TP	558974
trans-1,2-Dichloroethene	ND		56		50		02/07/01 12:53	TP	558974
Xylenes,Total	ND		170		50		02/07/01 12:53	TP	558974
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		50		02/07/01 12:53	TP	558974
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		5000		02/07/01 17:23	TP	559955
Surr: 4-Bromofluorobenzene	96.0	%	74-130		5000		02/07/01 17:23	TP	559955
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/07/01 12:53	TP	558974
Surr: Toluene-d8	100	%	80-140		5000		02/07/01 17:23	TP	559955
Surr: Toluene-d8	96.0	%	80-140		50		02/07/01 12:53	TP	558974

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG09 **Collected:** 1/31/01 12:45:00 **SPL Sample ID:** 01020004-05

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	15.1	0		1		02/01/01 16:00	KM	552557

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG09 **Collected:** 1/31/01 12:45:00 **SPL Sample ID:** 01020004-05

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	390		1		02/02/01 11:54	P_C	556290
1,2-Dichlorobenzene	110	59		1		02/02/01 11:54	P_C	556290
1,3-Dichlorobenzene	ND	59		1		02/02/01 11:54	P_C	556290
1,4-Dichlorobenzene	ND	59		1		02/02/01 11:54	P_C	556290
2,4,5-Trichlorophenol	ND	2000		1		02/02/01 11:54	P_C	556290
2,4,6-Trichlorophenol	ND	390		1		02/02/01 11:54	P_C	556290
2,4-Dichlorophenol	ND	390		1		02/02/01 11:54	P_C	556290
2,4-Dimethylphenol	ND	390		1		02/02/01 11:54	P_C	556290
2,4-Dinitrophenol	ND	2000		1		02/02/01 11:54	P_C	556290
2,4-Dinitrotoluene	ND	390		1		02/02/01 11:54	P_C	556290
2,6-Dinitrotoluene	ND	390		1		02/02/01 11:54	P_C	556290
2-Chloronaphthalene	ND	390		1		02/02/01 11:54	P_C	556290
2-Chlorophenol	ND	390		1		02/02/01 11:54	P_C	556290
2-Methylnaphthalene	ND	390		1		02/02/01 11:54	P_C	556290
2-Nitroaniline	ND	2000		1		02/02/01 11:54	P_C	556290
2-Nitrophenol	ND	2000		1		02/02/01 11:54	P_C	556290
3,3'-Dichlorobenzidine	ND	2400		1		02/02/01 11:54	P_C	556290
3-Nitroaniline	ND	2000		1		02/02/01 11:54	P_C	556290
4,6-Dinitro-2-methylphenol	ND	2000		1		02/02/01 11:54	P_C	556290
4-Bromophenyl phenyl ether	ND	390		1		02/02/01 11:54	P_C	556290
4-Chloro-3-methylphenol	ND	1500		1		02/02/01 11:54	P_C	556290
4-Chloroaniline	ND	390		1		02/02/01 11:54	P_C	556290
4-Chlorophenyl phenyl ether	ND	390		1		02/02/01 11:54	P_C	556290
4-Nitroaniline	ND	2000		1		02/02/01 11:54	P_C	556290
4-Nitrophenol	ND	940		1		02/02/01 11:54	P_C	556290
Acenaphthene	ND	390		1		02/02/01 11:54	P_C	556290
Acenaphthylene	ND	390		1		02/02/01 11:54	P_C	556290
Anthracene	ND	390		1		02/02/01 11:54	P_C	556290
Benz(a)anthracene	ND	390		1		02/02/01 11:54	P_C	556290
Benzo(a)pyrene	ND	390		1		02/02/01 11:54	P_C	556290
Benzo(b)fluoranthene	ND	390		1		02/02/01 11:54	P_C	556290
Benzo(g,h,i)perylene	ND	390		1		02/02/01 11:54	P_C	556290
Benzo(k)fluoranthene	ND	390		1		02/02/01 11:54	P_C	556290
Bis(2-chloroethoxy)methane	ND	390		1		02/02/01 11:54	P_C	556290
Bis(2-chloroethyl)ether	ND	390		1		02/02/01 11:54	P_C	556290
Bis(2-chloroisopropyl)ether	ND	390		1		02/02/01 11:54	P_C	556290
Bis(2-ethylhexyl)phthalate	ND	390		1		02/02/01 11:54	P_C	556290
Butyl benzyl phthalate	ND	390		1		02/02/01 11:54	P_C	556290
Carbazole	ND	390		1		02/02/01 11:54	P_C	556290
Chrysene	ND	390		1		02/02/01 11:54	P_C	556290

Qualifiers:
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- * - Surrogate Recovery Outside Advisable QC Limits
- J - Estimated Value between MDL and PQL
- >MCL - Result Over Maximum Contamination Limit(MCL)
- D - Surrogate Recovery Unreportable due to Dilution
- MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG09 **Collected:** 1/31/01 12:45:00 **SPL Sample ID:** 01020004-05

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/02/01 11:54	P_C	556290
Di-n-octyl phthalate	ND		390	1		02/02/01 11:54	P_C	556290
Dibenz(a,h)anthracene	ND		390	1		02/02/01 11:54	P_C	556290
Dibenzofuran	ND		390	1		02/02/01 11:54	P_C	556290
Diethyl phthalate	ND		390	1		02/02/01 11:54	P_C	556290
Dimethyl phthalate	ND		390	1		02/02/01 11:54	P_C	556290
Fluoranthene	ND		390	1		02/02/01 11:54	P_C	556290
Fluorene	ND		390	1		02/02/01 11:54	P_C	556290
Hexachlorobenzene	ND		390	1		02/02/01 11:54	P_C	556290
Hexachlorobutadiene	ND		390	1		02/02/01 11:54	P_C	556290
Hexachlorocyclopentadiene	ND		390	1		02/02/01 11:54	P_C	556290
Hexachloroethane	ND		120	1		02/02/01 11:54	P_C	556290
Indeno(1,2,3-cd)pyrene	ND		390	1		02/02/01 11:54	P_C	556290
Isophorone	ND		390	1		02/02/01 11:54	P_C	556290
N-Nitrosodi-n-propylamine	ND		390	1		02/02/01 11:54	P_C	556290
N-Nitrosodiphenylamine	ND		390	1		02/02/01 11:54	P_C	556290
Naphthalene	ND		390	1		02/02/01 11:54	P_C	556290
Nitrobenzene	ND		390	1		02/02/01 11:54	P_C	556290
Pentachlorophenol	ND		4000	1		02/02/01 11:54	P_C	556290
Phenanthrene	ND		390	1		02/02/01 11:54	P_C	556290
Phenol	ND		390	1		02/02/01 11:54	P_C	556290
Pyrene	ND		390	1		02/02/01 11:54	P_C	556290
2-Methylphenol	ND		390	1		02/02/01 11:54	P_C	556290
3 & 4-Methylphenol	ND		390	1		02/02/01 11:54	P_C	556290
Surr: 2,4,6-Tribromophenol	56.0	%	19-122	1		02/02/01 11:54	P_C	556290
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		02/02/01 11:54	P_C	556290
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/02/01 11:54	P_C	556290
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/02/01 11:54	P_C	556290
Surr: Phenol-d5	68.0	%	24-113	1		02/02/01 11:54	P_C	556290
Surr: Terphenyl-d14	82.4	%	18-137	1		02/02/01 11:54	P_C	556290

Prep Method	Prep Date	Prep Initials
SW3550B	02/01/2001 10:27	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG09 **Collected:** 1/31/01 12:45:00 **SPL Sample ID:** 01020004-05

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		59		50		02/07/01 13:21	TP	558975
1,1,2,2-Tetrachloroethane	980		59		50		02/07/01 13:21	TP	558975
1,1,2-Trichloroethane	1800		59		50		02/07/01 13:21	TP	558975
1,1-Dichloroethane	ND		59		50		02/07/01 13:21	TP	558975
1,1-Dichloroethene	240		59		50		02/07/01 13:21	TP	558975
1,2-Dichloroethane	ND		59		50		02/07/01 13:21	TP	558975
1,2-Dichloropropane	ND		59		50		02/07/01 13:21	TP	558975
2-Butanone	ND		2900		50		02/07/01 13:21	TP	558975
2-Hexanone	ND		2900		50		02/07/01 13:21	TP	558975
4-Methyl-2-pentanone	ND		2900		50		02/07/01 13:21	TP	558975
Acetone	ND		5900		50		02/07/01 13:21	TP	558975
Benzene	ND		59		50		02/07/01 13:21	TP	558975
Bromodichloromethane	ND		59		50		02/07/01 13:21	TP	558975
Bromoform	ND		59		50		02/07/01 13:21	TP	558975
Bromomethane	ND		59		50		02/07/01 13:21	TP	558975
Carbon disulfide	ND		290		50		02/07/01 13:21	TP	558975
Carbon tetrachloride	ND		59		50		02/07/01 13:21	TP	558975
Chlorobenzene	ND		59		50		02/07/01 13:21	TP	558975
Chloroethane	ND		590		50		02/07/01 13:21	TP	558975
Chloroform	ND		59		50		02/07/01 13:21	TP	558975
Chloromethane	ND		590		50		02/07/01 13:21	TP	558975
dibromochloromethane	ND		59		50		02/07/01 13:21	TP	558975
Ethylbenzene	ND		59		50		02/07/01 13:21	TP	558975
Methylene chloride	ND		290		50		02/07/01 13:21	TP	558975
Styrene	ND		59		50		02/07/01 13:21	TP	558975
Tetrachloroethene	200000		5900		5000		02/07/01 17:49	TP	559956
Toluene	ND		59		50		02/07/01 13:21	TP	558975
trans-1,3-Dichloropropene	ND		59		50		02/07/01 13:21	TP	558975
Trichloroethene	240000		5900		5000		02/07/01 17:49	TP	559956
Vinyl chloride	ND		59		50		02/07/01 13:21	TP	558975
cis-1,2-Dichloroethene	14000		59		50		02/07/01 13:21	TP	558975
cis-1,3-Dichloropropene	ND		59		50		02/07/01 13:21	TP	558975
trans-1,2-Dichloroethene	190		59		50		02/07/01 13:21	TP	558975
Xylenes,Total	ND		180		50		02/07/01 13:21	TP	558975
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/07/01 13:21	TP	558975
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		5000		02/07/01 17:49	TP	559956
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/07/01 13:21	TP	558975
Surr: 4-Bromofluorobenzene	92.0	%	74-130		5000		02/07/01 17:49	TP	559956
Surr: Toluene-d8	100	%	80-140		50		02/07/01 13:21	TP	558975
Surr: Toluene-d8	100	%	80-140		5000		02/07/01 17:49	TP	559956

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG04 **Collected:** 1/31/01 **SPL Sample ID:** 01020004-06

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	15	0		1		02/01/01 16:00	KM	552558

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG04 | Collected: 1/31/01 | SPL Sample ID: 01020004-06

Site: #11676, DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	860	390		1		02/02/01 12:22	P_C	556291
1,2-Dichlorobenzene	2100	59		1		02/02/01 12:22	P_C	556291
1,3-Dichlorobenzene	ND	59		1		02/02/01 12:22	P_C	556291
1,4-Dichlorobenzene	ND	59		1		02/02/01 12:22	P_C	556291
2,4,5-Trichlorophenol	ND	2000		1		02/02/01 12:22	P_C	556291
2,4,6-Trichlorophenol	420	390		1		02/02/01 12:22	P_C	556291
2,4-Dichlorophenol	ND	390		1		02/02/01 12:22	P_C	556291
2,4-Dimethylphenol	ND	390		1		02/02/01 12:22	P_C	556291
2,4-Dinitrophenol	ND	2000		1		02/02/01 12:22	P_C	556291
2,4-Dinitrotoluene	ND	390		1		02/02/01 12:22	P_C	556291
2,6-Dinitrotoluene	ND	390		1		02/02/01 12:22	P_C	556291
2-Chloronaphthalene	ND	390		1		02/02/01 12:22	P_C	556291
2-Chlorophenol	ND	390		1		02/02/01 12:22	P_C	556291
2-Methylnaphthalene	ND	390		1		02/02/01 12:22	P_C	556291
2-Nitroaniline	ND	2000		1		02/02/01 12:22	P_C	556291
2-Nitrophenol	ND	2000		1		02/02/01 12:22	P_C	556291
3,3'-Dichlorobenzidine	ND	2400		1		02/02/01 12:22	P_C	556291
3-Nitroaniline	ND	2000		1		02/02/01 12:22	P_C	556291
4,6-Dinitro-2-methylphenol	ND	2000		1		02/02/01 12:22	P_C	556291
4-Bromophenyl phenyl ether	ND	390		1		02/02/01 12:22	P_C	556291
4-Chloro-3-methylphenol	ND	1500		1		02/02/01 12:22	P_C	556291
4-Chloroaniline	ND	390		1		02/02/01 12:22	P_C	556291
4-Chlorophenyl phenyl ether	ND	390		1		02/02/01 12:22	P_C	556291
4-Nitroaniline	ND	2000		1		02/02/01 12:22	P_C	556291
4-Nitrophenol	ND	940		1		02/02/01 12:22	P_C	556291
Acenaphthene	ND	390		1		02/02/01 12:22	P_C	556291
Acenaphthylene	ND	390		1		02/02/01 12:22	P_C	556291
Anthracene	ND	390		1		02/02/01 12:22	P_C	556291
Benz(a)anthracene	ND	390		1		02/02/01 12:22	P_C	556291
Benzo(a)pyrene	ND	390		1		02/02/01 12:22	P_C	556291
Benzo(b)fluoranthene	ND	390		1		02/02/01 12:22	P_C	556291
Benzo(g,h,i)perylene	ND	390		1		02/02/01 12:22	P_C	556291
Benzo(k)fluoranthene	ND	390		1		02/02/01 12:22	P_C	556291
Bis(2-chloroethoxy)methane	ND	390		1		02/02/01 12:22	P_C	556291
Bis(2-chloroethyl)ether	ND	390		1		02/02/01 12:22	P_C	556291
Bis(2-chloroisopropyl)ether	ND	390		1		02/02/01 12:22	P_C	556291
Bis(2-ethylhexyl)phthalate	ND	390		1		02/02/01 12:22	P_C	556291
Butyl benzyl phthalate	ND	390		1		02/02/01 12:22	P_C	556291
Carbazole	ND	390		1		02/02/01 12:22	P_C	556291
Chrysene	ND	390		1		02/02/01 12:22	P_C	556291

Qualifiers:
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG04 **Collected:** 1/31/01 **SPL Sample ID:** 01020004-06

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/02/01 12:22	P_C	556291
Di-n-octyl phthalate	ND		390	1		02/02/01 12:22	P_C	556291
Dibenz(a,h)anthracene	ND		390	1		02/02/01 12:22	P_C	556291
Dibenzofuran	ND		390	1		02/02/01 12:22	P_C	556291
Diethyl phthalate	ND		390	1		02/02/01 12:22	P_C	556291
Dimethyl phthalate	ND		390	1		02/02/01 12:22	P_C	556291
Fluoranthene	ND		390	1		02/02/01 12:22	P_C	556291
Fluorene	ND		390	1		02/02/01 12:22	P_C	556291
Hexachlorobenzene	6100		3900	10		02/02/01 14:14	P_C	556295
Hexachlorobutadiene	10000		3900	10		02/02/01 14:14	P_C	556295
Hexachlorocyclopentadiene	ND		390	1		02/02/01 12:22	P_C	556291
Hexachloroethane	14000		1200	10		02/02/01 14:14	P_C	556295
Indeno(1,2,3-cd)pyrene	ND		390	1		02/02/01 12:22	P_C	556291
Isophorone	ND		390	1		02/02/01 12:22	P_C	556291
N-Nitrosodi-n-propylamine	ND		390	1		02/02/01 12:22	P_C	556291
N-Nitrosodiphenylamine	ND		390	1		02/02/01 12:22	P_C	556291
Naphthalene	ND		390	1		02/02/01 12:22	P_C	556291
Nitrobenzene	ND		390	1		02/02/01 12:22	P_C	556291
Pentachlorophenol	ND		4000	1		02/02/01 12:22	P_C	556291
Phenanthrene	ND		390	1		02/02/01 12:22	P_C	556291
Phenol	ND		390	1		02/02/01 12:22	P_C	556291
Pyrene	ND		390	1		02/02/01 12:22	P_C	556291
2-Methylphenol	ND		390	1		02/02/01 12:22	P_C	556291
3 & 4-Methylphenol	ND		390	1		02/02/01 12:22	P_C	556291
Surr: 2,4,6-Tribromophenol	72.0	%	19-122	1		02/02/01 12:22	P_C	556291
Surr: 2,4,6-Tribromophenol	D	%	19-122	10	*	02/02/01 14:14	P_C	556295
Surr: 2-Fluorobiphenyl	D	%	30-115	10	*	02/02/01 14:14	P_C	556295
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		02/02/01 12:22	P_C	556291
Surr: 2-Fluorophenol	D	%	25-121	10	*	02/02/01 14:14	P_C	556295
Surr: 2-Fluorophenol	44.0	%	25-121	1		02/02/01 12:22	P_C	556291
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/02/01 12:22	P_C	556291
Surr: Nitrobenzene-d5	D	%	23-120	10	*	02/02/01 14:14	P_C	556295
Surr: Phenol-d5	72.0	%	24-113	1		02/02/01 12:22	P_C	556291
Surr: Phenol-d5	D	%	24-113	10	*	02/02/01 14:14	P_C	556295
Surr: Terphenyl-d14	76.5	%	18-137	1		02/02/01 12:22	P_C	556291
Surr: Terphenyl-d14	D	%	18-137	10	*	02/02/01 14:14	P_C	556295

Prep Method	Prep Date	Prep Initials
SW3550B	02/01/2001 10:27	J_L

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013101-DG04 | Collected: 1/31/01 | SPL Sample ID: 01020004-06

Site: #11676, DNAPL

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		59		50		02/07/01 13:48	TP	558976
1,1,2,2-Tetrachloroethane	16000		59		50		02/07/01 13:48	TP	558976
1,1,2-Trichloroethane	2100		59		50		02/07/01 13:48	TP	558976
1,1-Dichloroethane	ND		59		50		02/07/01 13:48	TP	558976
1,1-Dichloroethene	2600		59		50		02/07/01 13:48	TP	558976
1,2-Dichloroethane	ND		59		50		02/07/01 13:48	TP	558976
1,2-Dichloropropane	ND		59		50		02/07/01 13:48	TP	558976
2-Butanone	ND		2900		50		02/07/01 13:48	TP	558976
2-Hexanone	ND		2900		50		02/07/01 13:48	TP	558976
4-Methyl-2-pentanone	ND		2900		50		02/07/01 13:48	TP	558976
Acetone	ND		5900		50		02/07/01 13:48	TP	558976
Benzene	ND		59		50		02/07/01 13:48	TP	558976
Bromodichloromethane	ND		59		50		02/07/01 13:48	TP	558976
Bromoform	ND		59		50		02/07/01 13:48	TP	558976
Bromomethane	ND		59		50		02/07/01 13:48	TP	558976
Carbon disulfide	ND		290		50		02/07/01 13:48	TP	558976
Carbon tetrachloride	ND		59		50		02/07/01 13:48	TP	558976
Chlorobenzene	1200		59		50		02/07/01 13:48	TP	558976
Chloroethane	ND		590		50		02/07/01 13:48	TP	558976
Chloroform	ND		59		50		02/07/01 13:48	TP	558976
Chloromethane	ND		590		50		02/07/01 13:48	TP	558976
dibromochloromethane	ND		59		50		02/07/01 13:48	TP	558976
Ethylbenzene	ND		59		50		02/07/01 13:48	TP	558976
Methylene chloride	ND		290		50		02/07/01 13:48	TP	558976
Styrene	ND		59		50		02/07/01 13:48	TP	558976
Tetrachloroethene	2100000		59000		10000		02/07/01 18:16	TP	559957
Toluene	340		59		50		02/07/01 13:48	TP	558976
trans-1,3-Dichloropropene	ND		59		50		02/07/01 13:48	TP	558976
Trichloroethene	890000		59000		10000		02/07/01 18:16	TP	559957
Vinyl chloride	310		59		50		02/07/01 13:48	TP	558976
cis-1,2-Dichloroethene	10000		59		50		02/07/01 13:48	TP	558976
cis-1,3-Dichloropropene	ND		59		50		02/07/01 13:48	TP	558976
trans-1,2-Dichloroethene	1200		59		50		02/07/01 13:48	TP	558976
Xylenes,Total	780		180		50		02/07/01 13:48	TP	558976
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		10000		02/07/01 18:16	TP	559957
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/07/01 13:48	TP	558976
Surr: 4-Bromofluorobenzene	94.0	%	74-130		10000		02/07/01 18:16	TP	559957
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/07/01 13:48	TP	558976
Surr: Toluene-d8	100	%	80-140		50		02/07/01 13:48	TP	558976
Surr: Toluene-d8	98.0	%	80-140		10000		02/07/01 18:16	TP	559957

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676, DNAPL

Analysis:	**Semivolatile Organics by Method 8270C**	**WorkOrder:**	**01020004**
Method:	**SW8270C**	**Lab Batch ID:**	**10030**

Method Blank

RunID	P_010202A-556284	Units:	ug/Kg
Analysis Date:	02/02/2001 9:06	Analyst:	P_C
Preparation Date:	02/01/2001 10:27	Prep By:	J_L Method SW3550B

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020004-01B	S-11676-013101-DG05
01020004-02B	S-11676-013101-DG06
01020004-03B	S-11676-013101-DG07
01020004-04B	S-11676-013101-DG08
01020004-05B	S-11676-013101-DG09
01020004-06B	S-11676-013101-DG04

iers:
- ND/U - Not Detected at the Reporting Limit
- B - Analyte detected in the associated Method Blank
- J - Estimated value between MDL and PQL
- MI - Matrix Interference
- D - Recovery Unreportable due to Dilution
- * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676, DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020004
Method: SW8270C **Lab Batch ID:** 10030

Method Blank

RunID: P_010202A-556284 Units: ug/Kg
Analysis Date: 02/02/2001 9:06 Analyst: P_C
Preparation Date: 02/01/2001 10:27 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	68.0	19-122
Surr: 2-Fluorobiphenyl	88.2	30-115
Surr: 2-Fluorophenol	88.0	25-121
Surr: Nitrobenzene-d5	82.4	23-120
Surr: Phenol-d5	84.0	24-113
Surr: Terphenyl-d14	105.9	18-137

Laboratory Control Sample (LCS)

RunID: P_010202A-556285 Units: ug/Kg
Analysis Date: 02/02/2001 9:34 Analyst: P_C
Preparation Date: 02/01/2001 10:27 Prep By: J_L Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1300	76	39	110
1,4-Dichlorobenzene	1700	1300	76	36	110
2,4-Dinitrotoluene	1700	1200	71	50	150
2-Chlorophenol	2500	2000	80	27	123
4-Chloro-3-methylphenol	2500	2100	84	23	110
4-Nitrophenol	2500	1300	52	25	150
Acenaphthene	1700	1300	76	46	125
N-Nitrosodi-n-propylamine	1700	1300	76	41	116
Pentachlorophenol	2500	1600	64	9	125
Phenol	2500	1900	76	12	110
Pyrene	1700	1600	94	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676, DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020004
Method: SW8270C **Lab Batch ID:** 10030

Sample Spiked: 01010872-02
RunID: H_010202A-556318 Units: ug/Kg
Analysis Date: 02/02/2001 15:54 Analyst: P_C
Preparation Date: 02/01/2001 10:27 Prep By: J_L Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1700	1000	59	1700	1300	76	26	28	39	110
1,4-Dichlorobenzene	ND	1700	620	36	1700	720	42	15	28	36	110
2,4-Dinitrotoluene	ND	1700	2200	129	1700	1900	112	15	50	50	150
2-Chlorophenol	ND	2500	750	30	2500	1000	40	29	40	27	123
4-Chloro-3-methylphenol	ND	2500	940	38	2500	930	37	1	42	23	110
4-Nitrophenol	ND	2500	2600	104	2500	2400	96	8	50	25	150
Acenaphthene	ND	1700	1300	76	1700	540	32 *	83 *	31	46	125
N-Nitrosodi-n-propylamine	ND	1700	720	42	1700	770	45	7	38	41	116
Pentachlorophenol	ND	2500	D	0 *	2500	D	0 *	0	50	9	125
Phenol	ND	2500	580	23	2500	710	28	20	42	12	110
Pyrene	ND	1700	1400	82	1700	1200	71	15	31	26	127

fiers
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676, DNAPL

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020004
Method: SW8260B **Lab Batch ID:** R29037

Method Blank

RunID: K_010205A-555568 Units: ug/Kg
Analysis Date: 02/05/2001 12:57 Analyst: TP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020004-01A	S-11676-013101-DG05
01020004-02A	S-11676-013101-DG06
01020004-03A	S-11676-013101-DG07

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	76.8	70-120
Surr: 4-Bromofluorobenzene	97.6	74-130
Surr: Toluene-d8	99.2	80-140

Laboratory Control Sample (LCS)

RunID: K_010205A-555567 Units: ug/L
Analysis Date: 02/05/2001 12:31 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	58	116	61	145
Benzene	50	54	108	76	127

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676, DNAPL

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020004
Method: SW8260B **Lab Batch ID:** R29037

Laboratory Control Sample (LCS)

RunID: K_010205A-555567 Units: ug/L
Analysis Date: 02/05/2001 12:31 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chlorobenzene	50	50	100	75	130
Toluene	50	53	106	76	125
Trichloroethene	50	55	110	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010842-05
RunID: K_010205A-555570 Units: ug/Kg
Analysis Date: 02/05/2001 14:16 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	6250	7300	117	6250	6900	110	6	22	59	172
Benzene	ND	6250	6400	102	6250	6200	99	3	21	66	142
Chlorobenzene	ND	6250	6400	102	6250	6200	99	3	21	60	133
Toluene	ND	6250	6400	102	6250	6200	99	3	21	59	139
Trichloroethene	ND	6250	6700	107	6250	6400	102	5	24	62	137

iers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percen recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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Quality Control Report

Conestoga-Rovers & Associates

#11676, DNAPL

Analysis: *Volatile Organics by Method 8260B* **WorkOrder:** *01020004*
Method: SW8260B **Lab Batch ID:** R29200

Method Blank

RunID: K_010207A-558973 Units: ug/Kg
Analysis Date: 02/07/2001 12:00 Analyst: TP

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	76.8	70-120
Surr: 4-Bromofluorobenzene	94.4	74-130
Surr: Toluene-d8	100.8	80-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020004-01A	S-11676-013101-DG05
01020004-02A	S-11676-013101-DG06
01020004-03A	S-11676-013101-DG07
01020004-04A	S-11676-013101-DG08
01020004-05A	S-11676-013101-DG09
01020004-06A	S-11676-013101-DG04

Laboratory Control Sample (LCS)

RunID: K_010207A-558972 Units: ug/L
Analysis Date: 02/07/2001 11:34 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	60	120	61	145

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676, DNAPL

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020004
Method: SW8260B **Lab Batch ID:** R29200

Laboratory Control Sample (LCS)

RunID: K_010207A-558972 Units: ug/L
Analysis Date: 02/07/2001 11:34 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	53	106	76	127
Chlorobenzene	50	50	100	75	130
Toluene	50	53	106	76	125
Trichloroethene	50	53	106	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01020004-03
RunID: K_010207A-559944 Units: ug/Kg-dry
Analysis Date: 02/07/2001 15:37 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	27900	32000	110	27900	31000	106	4	22	59	172
Benzene	ND	27900	28000	100	27900	29000	104	4	21	66	142
Chlorobenzene	ND	27900	26000	92	27900	27000	96	4	21	60	133
Toluene	ND	27900	27000	96	27900	28000	100	4	21	59	139
Trichloroethene	31000	27900	57000	92	27900	57000	92	0	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676, DNAPL

Analysis: PERCENT MOISTURE
Method: D2216
WorkOrder: 01020004
Lab Batch ID: R28879

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020004-01B	S-11676-013101-DG05
01020004-02B	S-11676-013101-DG06
01020004-03B	S-11676-013101-DG07
01020004-04B	S-11676-013101-DG08
01020004-05B	S-11676-013101-DG09
01020004-06B	S-11676-013101-DG04

Sample Duplicate

Original Sample: 01020004-01
RunID: WET_010201I-552552 Units: wt%
Analysis Date: 02/01/2001 16:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	10.5	10.5	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01020004	Received by:	Stelly, D'Anna
Date and Time Received:	2/1/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	3		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	Not Present ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

CHAIN OF CUSTODY RECORD

010210004

CRA
CONESTOGA-ROVERS & ASSOCIATES
651 Colby Drive
Waterloo, Ont. N2V 1C2 (519)884-0510

SHIPPED TO (Laboratory Name): SPL- Houston

REFERENCE NUMBER: 11676-10

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: David A Gray

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: TCL VOC	PARAMETERS: TCL SVOC	REMARKS
	01/31/01	9:00	S-11676-013101-DG 05	Soil	4	X	X	24 Hour Turnaround
	01/31/01	9:30	S-11676-013101-DG 06	Soil	4	X	X	" "
	01/31/01	9:55	S-11676-013101-DG 07	Soil	4	X	X	" "
	01/31/01	10:20	S-11676-013101-DG 08	Soil	4	X	X	" "
	01/31/01	12:45	S-11676-013101-DG 09	Soil	4	X	X	" "

RUSH

TOTAL NUMBER OF CONTAINERS: 20 HEALTH/CHEMICAL HAZARDS: encore

RELINQUISHED BY: ① [signature]	DATE: 01/31/01 TIME: 15:00	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No.

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: Gray

RECEIVED FOR LABORATORY BY: [signature] DATE: 2/1/01 TIME: 1000

No. 30 16[illegible]

1001 JULY 19/93 REVISED (F-42)

11676-10
SR

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020104

Report To:		Project Name:	#11676-10
Conestoga-Rovers & Associates		Site:	#11676-10
Paul Wiseman		Site Address:	
11100 Metro Airport Center Drive			
Suite 160		PO Number:	40-013971-0
Romulus		State:	Michigan
MI		State Cert. No.:	
48174-		Date Reported:	2/14/01
ph: (734) 942-0909	fax: (734) 942-3080		

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "S-11676-020201-LP 26" (SPL ID: 01020104-12) was randomly selected for use in SPL's quality control program for the Semivolatile Organics analysis by SW846 Method 8270. The Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for several constituents (Batch ID:10098) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Your sample ID "S-11676-020201-LP 24" (SPL ID: 01020104-10) was randomly selected for use in SPL's quality control program for the Volatile Organics analysis by SW846 Method 8260. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Trichloroethene (Batch ID:R29327) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

FEB 16
SDG: 8

Sonia West
West, Sonia
Senior Project Manager

ORIGINAL ANALYTICAL REPORT
Project#: 11676-10 Lab#: 01020104
Name: Fields Brook
Description
Event: DUAPL
Samples: 12 Soils (2/2/01)
Analysis: VOC, SVOC
TAT: 22 Days normal
Lab: SPL
Checked Against Preliminary Data; Date: 2/16/01 Init:
Date of Validation Memo:
Invoice Approval Date:
Comments: 2/16/01 Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020104

Report To: Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Fax To: Conestoga-Rovers & Associates
Jeff Daniels fax : (519) 884-0525
Conestoga-Rovers & Associates
Paul Wiseman fax : (734) 942-3080

Project Name: #11676-10
Site: #11676-10
Site Address:

PO Number: 40-013971-0
State: Michigan
State Cert. No.:
Date Reported: 2/14/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-020201-DM 100	01020104-01	Soil	2/2/01 10:45:00 AM	2/3/01 10:00:00 AM	16388	☐
S-11676-020201-DM 101	01020104-02	Soil	2/2/01 11:45:00 AM	2/3/01 10:00:00 AM	16388	☐
S-11676-020201-DM 102	01020104-03	Soil	2/2/01 1:45:00 PM	2/3/01 10:00:00 AM	16388	☐
S-11676-020201-DM 103	01020104-04	Soil	2/2/01 2:50:00 PM	2/3/01 10:00:00 AM	16388	☐
S-11676-020201-DM 104	01020104-05	Soil	2/2/01 4:10:00 PM	2/3/01 10:00:00 AM	16388	☐
S-[illegible]-020201-LP 20	01020104-06	Soil	2/2/01 9:00:00 AM	2/3/01 10:00:00 AM	16388	☐
[illegible]-020201-LP 21	01020104-07	Soil	2/2/01 10:15:00 AM	2/3/01 10:00:00 AM	16388	☐
S-[illegible]-020201-LP 22	01020104-08	Soil	2/2/01 11:15:00 AM	2/3/01 10:00:00 AM	16388	☐
S-11676-020201-LP 23	01020104-09	Soil	2/2/01 11:16:00 AM	2/3/01 10:00:00 AM	16388	☐
S-11676-020201-LP 24	01020104-10	Soil	2/2/01 12:00:00 PM	2/3/01 10:00:00 AM	16388	☐
S-11676-020201-LP 25	01020104-11	Soil	2/2/01 2:40:00 PM	2/3/01 10:00:00 AM	16388	☐
S-11676-020201-LP 26	01020104-12	Soil	2/2/01 3:10:00 PM	2/3/01 10:00:00 AM	16388	☐

West, Sonia
Senior Project Manager

2/14/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 100 **Collected:** 2/2/01 10:45:00 **SPL Sample ID:** 01020104-01

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	10.8	0		1		02/03/01 13:00	KM	554308

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 100 **Collected:** 2/2/01 10:45:00 **SPL Sample ID:** 01020104-01

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		02/06/01 18:39	S_G	558869
1,2-Dichlorobenzene	ND	56		1		02/06/01 18:39	S_G	558869
1,3-Dichlorobenzene	ND	56		1		02/06/01 18:39	S_G	558869
1,4-Dichlorobenzene	ND	56		1		02/06/01 18:39	S_G	558869
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 18:39	S_G	558869
2,4,6-Trichlorophenol	ND	370		1		02/06/01 18:39	S_G	558869
2,4-Dichlorophenol	ND	370		1		02/06/01 18:39	S_G	558869
2,4-Dimethylphenol	ND	370		1		02/06/01 18:39	S_G	558869
2,4-Dinitrophenol	ND	1900		1		02/06/01 18:39	S_G	558869
2,4-Dinitrotoluene	ND	370		1		02/06/01 18:39	S_G	558869
2,6-Dinitrotoluene	ND	370		1		02/06/01 18:39	S_G	558869
2-Chloronaphthalene	ND	370		1		02/06/01 18:39	S_G	558869
2-Chlorophenol	ND	370		1		02/06/01 18:39	S_G	558869
2-Methylnaphthalene	ND	370		1		02/06/01 18:39	S_G	558869
2-Nitroaniline	ND	1900		1		02/06/01 18:39	S_G	558869
2-Nitrophenol	ND	1900		1		02/06/01 18:39	S_G	558869
3,3'-Dichlorobenzidine	ND	2200		1		02/06/01 18:39	S_G	558869
3-Nitroaniline	ND	1900		1		02/06/01 18:39	S_G	558869
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 18:39	S_G	558869
4-Bromophenyl phenyl ether	ND	370		1		02/06/01 18:39	S_G	558869
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 18:39	S_G	558869
4-Chloroaniline	ND	370		1		02/06/01 18:39	S_G	558869
4-Chlorophenyl phenyl ether	ND	370		1		02/06/01 18:39	S_G	558869
4-Nitroaniline	ND	1900		1		02/06/01 18:39	S_G	558869
4-Nitrophenol	ND	900		1		02/06/01 18:39	S_G	558869
Acenaphthene	ND	370		1		02/06/01 18:39	S_G	558869
Acenaphthylene	ND	370		1		02/06/01 18:39	S_G	558869
Anthracene	ND	370		1		02/06/01 18:39	S_G	558869
Benz(a)anthracene	ND	370		1		02/06/01 18:39	S_G	558869
Benzo(a)pyrene	ND	370		1		02/06/01 18:39	S_G	558869
Benzo(b)fluoranthene	ND	370		1		02/06/01 18:39	S_G	558869
Benzo(g,h,i)perylene	ND	370		1		02/06/01 18:39	S_G	558869
Benzo(k)fluoranthene	ND	370		1		02/06/01 18:39	S_G	558869
Bis(2-chloroethoxy)methane	ND	370		1		02/06/01 18:39	S_G	558869
Bis(2-chloroethyl)ether	ND	370		1		02/06/01 18:39	S_G	558869
Bis(2-chloroisopropyl)ether	ND	370		1		02/06/01 18:39	S_G	558869
Bis(2-ethylhexyl)phthalate	ND	370		1		02/06/01 18:39	S_G	558869
Butyl benzyl phthalate	ND	370		1		02/06/01 18:39	S_G	558869
Carbazole	ND	370		1		02/06/01 18:39	S_G	558869
Chrysene	ND	370		1		02/06/01 18:39	S_G	558869

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 100 **Collected:** 2/2/01 10:45:00 **SPL Sample ID:** 01020104-01

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/06/01 18:39	S_G	558869
Di-n-octyl phthalate	ND		370	1		02/06/01 18:39	S_G	558869
Dibenz(a,h)anthracene	ND		370	1		02/06/01 18:39	S_G	558869
Dibenzofuran	ND		370	1		02/06/01 18:39	S_G	558869
Diethyl phthalate	ND		370	1		02/06/01 18:39	S_G	558869
Dimethyl phthalate	ND		370	1		02/06/01 18:39	S_G	558869
Fluoranthene	ND		370	1		02/06/01 18:39	S_G	558869
Fluorene	ND		370	1		02/06/01 18:39	S_G	558869
Hexachlorobenzene	ND		370	1		02/06/01 18:39	S_G	558869
Hexachlorobutadiene	ND		370	1		02/06/01 18:39	S_G	558869
Hexachlorocyclopentadiene	ND		370	1		02/06/01 18:39	S_G	558869
Hexachloroethane	ND		110	1		02/06/01 18:39	S_G	558869
Indeno(1,2,3-cd)pyrene	ND		370	1		02/06/01 18:39	S_G	558869
Isophorone	ND		370	1		02/06/01 18:39	S_G	558869
N-Nitrosodi-n-propylamine	ND		370	1		02/06/01 18:39	S_G	558869
N-Nitrosodiphenylamine	ND		370	1		02/06/01 18:39	S_G	558869
Naphthalene	ND		370	1		02/06/01 18:39	S_G	558869
Nitrobenzene	ND		370	1		02/06/01 18:39	S_G	558869
Pentachlorophenol	ND		3800	1		02/06/01 18:39	S_G	558869
Phenanthrene	ND		370	1		02/06/01 18:39	S_G	558869
Phenol	ND		370	1		02/06/01 18:39	S_G	558869
Pyrene	ND		370	1		02/06/01 18:39	S_G	558869
2-Methylphenol	ND		370	1		02/06/01 18:39	S_G	558869
3 & 4-Methylphenol	ND		370	1		02/06/01 18:39	S_G	558869
Surr: 2,4,6-Tribromophenol	108	%	19-122	1		02/06/01 18:39	S_G	558869
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/06/01 18:39	S_G	558869
Surr: 2-Fluorophenol	72.0	%	25-121	1		02/06/01 18:39	S_G	558869
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/06/01 18:39	S_G	558869
Surr: Phenol-d5	68.0	%	24-113	1		02/06/01 18:39	S_G	558869
Surr: Terphenyl-d14	94.1	%	18-137	1		02/06/01 18:39	S_G	558869

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 100 | Collected: 2/2/01 10:45:00 | SPL Sample ID: 01020104-01

Site: #11676-10

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/07/01 18:43	TP	559958
1,1,2,2-Tetrachloroethane	ND		56		50		02/07/01 18:43	TP	559958
1,1,2-Trichloroethane	ND		56		50		02/07/01 18:43	TP	559958
1,1-Dichloroethane	ND		56		50		02/07/01 18:43	TP	559958
1,1-Dichloroethene	ND		56		50		02/07/01 18:43	TP	559958
1,2-Dichloroethane	ND		56		50		02/07/01 18:43	TP	559958
1,2-Dichloropropane	ND		56		50		02/07/01 18:43	TP	559958
2-Butanone	ND		2800		50		02/07/01 18:43	TP	559958
2-Hexanone	ND		2800		50		02/07/01 18:43	TP	559958
4-Methyl-2-pentanone	ND		2800		50		02/07/01 18:43	TP	559958
Acetone	ND		5600		50		02/07/01 18:43	TP	559958
Benzene	ND		56		50		02/07/01 18:43	TP	559958
Bromodichloromethane	ND		56		50		02/07/01 18:43	TP	559958
Bromoform	ND		56		50		02/07/01 18:43	TP	559958
Bromomethane	ND		56		50		02/07/01 18:43	TP	559958
Carbon disulfide	ND		280		50		02/07/01 18:43	TP	559958
Carbon tetrachloride	ND		56		50		02/07/01 18:43	TP	559958
Chlorobenzene	ND		56		50		02/07/01 18:43	TP	559958
Chloroethane	ND		560		50		02/07/01 18:43	TP	559958
Chloroform	ND		56		50		02/07/01 18:43	TP	559958
Chloromethane	ND		560		50		02/07/01 18:43	TP	559958
dibromochloromethane	ND		56		50		02/07/01 18:43	TP	559958
Ethylbenzene	ND		56		50		02/07/01 18:43	TP	559958
Methylene chloride	ND		280		50		02/07/01 18:43	TP	559958
Styrene	ND		56		50		02/07/01 18:43	TP	559958
Tetrachloroethene	160		56		50		02/07/01 18:43	TP	559958
Toluene	ND		56		50		02/07/01 18:43	TP	559958
trans-1,3-Dichloropropene	ND		56		50		02/07/01 18:43	TP	559958
Trichloroethene	160		56		50		02/07/01 18:43	TP	559958
Vinyl chloride	ND		56		50		02/07/01 18:43	TP	559958
cis-1,2-Dichloroethene	ND		56		50		02/07/01 18:43	TP	559958
cis-1,3-Dichloropropene	ND		56		50		02/07/01 18:43	TP	559958
trans-1,2-Dichloroethene	ND		56		50		02/07/01 18:43	TP	559958
Xylenes,Total	ND		170		50		02/07/01 18:43	TP	559958
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/07/01 18:43	TP	559958
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/07/01 18:43	TP	559958
Surr: Toluene-d8	96.0	%	80-140		50		02/07/01 18:43	TP	559958

Qualifiers:

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>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 101 **Collected:** 2/2/01 11:45:00 **SPL Sample ID:** 01020104-02

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	8.8	0		1		02/03/01 13:00	KM	554309

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 101 | Collected: 2/2/01 11:45:00 | SPL Sample ID: 01020104-02

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	370		1		02/06/01 19:11	S_G	558870
1,2-Dichlorobenzene	ND	55		1		02/06/01 19:11	S_G	558870
1,3-Dichlorobenzene	ND	55		1		02/06/01 19:11	S_G	558870
1,4-Dichlorobenzene	ND	55		1		02/06/01 19:11	S_G	558870
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 19:11	S_G	558870
2,4,6-Trichlorophenol	ND	370		1		02/06/01 19:11	S_G	558870
2,4-Dichlorophenol	ND	370		1		02/06/01 19:11	S_G	558870
2,4-Dimethylphenol	ND	370		1		02/06/01 19:11	S_G	558870
2,4-Dinitrophenol	ND	1900		1		02/06/01 19:11	S_G	558870
2,4-Dinitrotoluene	ND	370		1		02/06/01 19:11	S_G	558870
2,6-Dinitrotoluene	ND	370		1		02/06/01 19:11	S_G	558870
2-Chloronaphthalene	ND	370		1		02/06/01 19:11	S_G	558870
2-Chlorophenol	ND	370		1		02/06/01 19:11	S_G	558870
2-Methylnaphthalene	ND	370		1		02/06/01 19:11	S_G	558870
2-Nitroaniline	ND	1900		1		02/06/01 19:11	S_G	558870
2-Nitrophenol	ND	1900		1		02/06/01 19:11	S_G	558870
3,3'-Dichlorobenzidine	ND	2200		1		02/06/01 19:11	S_G	558870
3-Nitroaniline	ND	1900		1		02/06/01 19:11	S_G	558870
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 19:11	S_G	558870
4-Bromophenyl phenyl ether	ND	370		1		02/06/01 19:11	S_G	558870
4-Chloro-3-methylphenol	ND	1400		1		02/06/01 19:11	S_G	558870
4-Chloroaniline	ND	370		1		02/06/01 19:11	S_G	558870
4-Chlorophenyl phenyl ether	ND	370		1		02/06/01 19:11	S_G	558870
4-Nitroaniline	ND	1900		1		02/06/01 19:11	S_G	558870
4-Nitrophenol	ND	890		1		02/06/01 19:11	S_G	558870
Acenaphthene	ND	370		1		02/06/01 19:11	S_G	558870
Acenaphthylene	ND	370		1		02/06/01 19:11	S_G	558870
Anthracene	ND	370		1		02/06/01 19:11	S_G	558870
Benz(a)anthracene	ND	370		1		02/06/01 19:11	S_G	558870
Benzo(a)pyrene	ND	370		1		02/06/01 19:11	S_G	558870
Benzo(b)fluoranthene	ND	370		1		02/06/01 19:11	S_G	558870
Benzo(g,h,i)perylene	ND	370		1		02/06/01 19:11	S_G	558870
Benzo(k)fluoranthene	ND	370		1		02/06/01 19:11	S_G	558870
Bis(2-chloroethoxy)methane	ND	370		1		02/06/01 19:11	S_G	558870
Bis(2-chloroethyl)ether	ND	370		1		02/06/01 19:11	S_G	558870
Bis(2-chloroisopropyl)ether	ND	370		1		02/06/01 19:11	S_G	558870
Bis(2-ethylhexyl)phthalate	ND	370		1		02/06/01 19:11	S_G	558870
Butyl benzyl phthalate	ND	370		1		02/06/01 19:11	S_G	558870
Carbazole	ND	370		1		02/06/01 19:11	S_G	558870
Chrysene	ND	370		1		02/06/01 19:11	S_G	558870

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 101 **Collected:** 2/2/01 11:45:00 **SPL Sample ID:** 01020104-02

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/06/01 19:11	S_G	558870
Di-n-octyl phthalate	ND		370	1		02/06/01 19:11	S_G	558870
Dibenz(a,h)anthracene	ND		370	1		02/06/01 19:11	S_G	558870
Dibenzofuran	ND		370	1		02/06/01 19:11	S_G	558870
Diethyl phthalate	ND		370	1		02/06/01 19:11	S_G	558870
Dimethyl phthalate	ND		370	1		02/06/01 19:11	S_G	558870
Fluoranthene	ND		370	1		02/06/01 19:11	S_G	558870
Fluorene	ND		370	1		02/06/01 19:11	S_G	558870
Hexachlorobenzene	ND		370	1		02/06/01 19:11	S_G	558870
Hexachlorobutadiene	ND		370	1		02/06/01 19:11	S_G	558870
Hexachlorocyclopentadiene	ND		370	1		02/06/01 19:11	S_G	558870
Hexachloroethane	ND		110	1		02/06/01 19:11	S_G	558870
Indeno(1,2,3-cd)pyrene	ND		370	1		02/06/01 19:11	S_G	558870
Isophorone	ND		370	1		02/06/01 19:11	S_G	558870
N-Nitrosodi-n-propylamine	ND		370	1		02/06/01 19:11	S_G	558870
N-Nitrosodiphenylamine	ND		370	1		02/06/01 19:11	S_G	558870
Naphthalene	ND		370	1		02/06/01 19:11	S_G	558870
Nitrobenzene	ND		370	1		02/06/01 19:11	S_G	558870
Pentachlorophenol	ND		3800	1		02/06/01 19:11	S_G	558870
Phenanthrene	ND		370	1		02/06/01 19:11	S_G	558870
Phenol	ND		370	1		02/06/01 19:11	S_G	558870
Pyrene	ND		370	1		02/06/01 19:11	S_G	558870
2-Methylphenol	ND		370	1		02/06/01 19:11	S_G	558870
3 & 4-Methylphenol	ND		370	1		02/06/01 19:11	S_G	558870
Surr: 2,4,6-Tribromophenol	108	%	19-122	1		02/06/01 19:11	S_G	558870
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/06/01 19:11	S_G	558870
Surr: 2-Fluorophenol	76.0	%	25-121	1		02/06/01 19:11	S_G	558870
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/06/01 19:11	S_G	558870
Surr: Phenol-d5	68.0	%	24-113	1		02/06/01 19:11	S_G	558870
Surr: Terphenyl-d14	94.1	%	18-137	1		02/06/01 19:11	S_G	558870

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 101 | Collected: 2/2/01 11:45:00 | SPL Sample ID: 01020104-02

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		55		50		02/07/01 19:10	TP	559959
1,1,2,2-Tetrachloroethane	ND		55		50		02/07/01 19:10	TP	559959
1,1,2-Trichloroethane	2100		55		50		02/07/01 19:10	TP	559959
1,1-Dichloroethane	ND		55		50		02/07/01 19:10	TP	559959
1,1-Dichloroethene	630		55		50		02/07/01 19:10	TP	559959
1,2-Dichloroethane	ND		55		50		02/07/01 19:10	TP	559959
1,2-Dichloropropane	ND		55		50		02/07/01 19:10	TP	559959
2-Butanone	ND		2800		50		02/07/01 19:10	TP	559959
2-Hexanone	ND		2800		50		02/07/01 19:10	TP	559959
4-Methyl-2-pentanone	ND		2800		50		02/07/01 19:10	TP	559959
Acetone	ND		5500		50		02/07/01 19:10	TP	559959
Benzene	ND		55		50		02/07/01 19:10	TP	559959
Bromodichloromethane	ND		55		50		02/07/01 19:10	TP	559959
Bromoform	ND		55		50		02/07/01 19:10	TP	559959
Bromomethane	ND		55		50		02/07/01 19:10	TP	559959
Carbon disulfide	ND		280		50		02/07/01 19:10	TP	559959
Carbon tetrachloride	ND		55		50		02/07/01 19:10	TP	559959
Chlorobenzene	ND		55		50		02/07/01 19:10	TP	559959
Chloroethane	ND		550		50		02/07/01 19:10	TP	559959
Chloroform	ND		55		50		02/07/01 19:10	TP	559959
Chloromethane	ND		550		50		02/07/01 19:10	TP	559959
dibromochloromethane	ND		55		50		02/07/01 19:10	TP	559959
Ethylbenzene	ND		55		50		02/07/01 19:10	TP	559959
Methylene chloride	ND		280		50		02/07/01 19:10	TP	559959
Styrene	ND		55		50		02/07/01 19:10	TP	559959
Tetrachloroethene	130000		2800		2500		02/08/01 20:25	TP	561944
Toluene	ND		55		50		02/07/01 19:10	TP	559959
trans-1,3-Dichloropropene	ND		55		50		02/07/01 19:10	TP	559959
Trichloroethene	160000		2800		2500		02/08/01 20:25	TP	561944
Vinyl chloride	170		55		50		02/07/01 19:10	TP	559959
cis-1,2-Dichloroethene	2100		55		50		02/07/01 19:10	TP	559959
cis-1,3-Dichloropropene	ND		55		50		02/07/01 19:10	TP	559959
trans-1,2-Dichloroethene	230		55		50		02/07/01 19:10	TP	559959
Xylenes,Total	ND		170		50		02/07/01 19:10	TP	559959
Surr: 1,2-Dichloroethane-d4	75.2	%	70-120		2500		02/08/01 20:25	TP	561944
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/07/01 19:10	TP	559959
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/07/01 19:10	TP	559959
Surr: 4-Bromofluorobenzene	96.0	%	74-130		2500		02/08/01 20:25	TP	561944
Surr: Toluene-d8	96.0	%	80-140		2500		02/08/01 20:25	TP	561944
Surr: Toluene-d8	96.0	%	80-140		50		02/07/01 19:10	TP	559959

Qualifiers:
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 102 **Collected:** 2/2/01 1:45:00 P **SPL Sample ID:** 01020104-03

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	**Units: wt%**		
Percent Moisture	12.8	0		1		02/03/01 13:00	KM	554311

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020201-DM 102 | Collected: 2/2/01 1:45:00 P | SPL Sample ID: 01020104-03

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	380		1		02/06/01 19:44	S_G	558871
1,2-Dichlorobenzene	ND	57		1		02/06/01 19:44	S_G	558871
1,3-Dichlorobenzene	ND	57		1		02/06/01 19:44	S_G	558871
1,4-Dichlorobenzene	ND	57		1		02/06/01 19:44	S_G	558871
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 19:44	S_G	558871
2,4,6-Trichlorophenol	ND	380		1		02/06/01 19:44	S_G	558871
2,4-Dichlorophenol	ND	380		1		02/06/01 19:44	S_G	558871
2,4-Dimethylphenol	ND	380		1		02/06/01 19:44	S_G	558871
2,4-Dinitrophenol	ND	1900		1		02/06/01 19:44	S_G	558871
2,4-Dinitrotoluene	ND	380		1		02/06/01 19:44	S_G	558871
2,6-Dinitrotoluene	ND	380		1		02/06/01 19:44	S_G	558871
2-Chloronaphthalene	ND	380		1		02/06/01 19:44	S_G	558871
2-Chlorophenol	ND	380		1		02/06/01 19:44	S_G	558871
2-Methylnaphthalene	ND	380		1		02/06/01 19:44	S_G	558871
2-Nitroaniline	ND	1900		1		02/06/01 19:44	S_G	558871
2-Nitrophenol	ND	1900		1		02/06/01 19:44	S_G	558871
3,3'-Dichlorobenzidine	ND	2300		1		02/06/01 19:44	S_G	558871
3-Nitroaniline	ND	1900		1		02/06/01 19:44	S_G	558871
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 19:44	S_G	558871
4-Bromophenyl phenyl ether	ND	380		1		02/06/01 19:44	S_G	558871
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 19:44	S_G	558871
4-Chloroaniline	ND	380		1		02/06/01 19:44	S_G	558871
4-Chlorophenyl phenyl ether	ND	380		1		02/06/01 19:44	S_G	558871
4-Nitroaniline	ND	1900		1		02/06/01 19:44	S_G	558871
4-Nitrophenol	ND	920		1		02/06/01 19:44	S_G	558871
Acenaphthene	ND	380		1		02/06/01 19:44	S_G	558871
Acenaphthylene	ND	380		1		02/06/01 19:44	S_G	558871
Anthracene	ND	380		1		02/06/01 19:44	S_G	558871
Benz(a)anthracene	ND	380		1		02/06/01 19:44	S_G	558871
Benzo(a)pyrene	ND	380		1		02/06/01 19:44	S_G	558871
Benzo(b)fluoranthene	ND	380		1		02/06/01 19:44	S_G	558871
Benzo(g,h,i)perylene	ND	380		1		02/06/01 19:44	S_G	558871
Benzo(k)fluoranthene	ND	380		1		02/06/01 19:44	S_G	558871
Bis(2-chloroethoxy)methane	ND	380		1		02/06/01 19:44	S_G	558871
Bis(2-chloroethyl)ether	ND	380		1		02/06/01 19:44	S_G	558871
Bis(2-chloroisopropyl)ether	ND	380		1		02/06/01 19:44	S_G	558871
Bis(2-ethylhexyl)phthalate	ND	380		1		02/06/01 19:44	S_G	558871
Butyl benzyl phthalate	ND	380		1		02/06/01 19:44	S_G	558871
Carbazole	ND	380		1		02/06/01 19:44	S_G	558871
Chrysene	ND	380		1		02/06/01 19:44	S_G	558871

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 102 **Collected:** 2/2/01 1:45:00 P **SPL Sample ID:** 01020104-03

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/06/01 19:44	S_G	558871
Di-n-octyl phthalate	ND		380	1		02/06/01 19:44	S_G	558871
Dibenz(a,h)anthracene	ND		380	1		02/06/01 19:44	S_G	558871
Dibenzofuran	ND		380	1		02/06/01 19:44	S_G	558871
Diethyl phthalate	ND		380	1		02/06/01 19:44	S_G	558871
Dimethyl phthalate	ND		380	1		02/06/01 19:44	S_G	558871
Fluoranthene	ND		380	1		02/06/01 19:44	S_G	558871
Fluorene	ND		380	1		02/06/01 19:44	S_G	558871
Hexachlorobenzene	ND		380	1		02/06/01 19:44	S_G	558871
Hexachlorobutadiene	ND		380	1		02/06/01 19:44	S_G	558871
Hexachlorocyclopentadiene	ND		380	1		02/06/01 19:44	S_G	558871
Hexachloroethane	ND		110	1		02/06/01 19:44	S_G	558871
Indeno(1,2,3-cd)pyrene	ND		380	1		02/06/01 19:44	S_G	558871
Isophorone	ND		380	1		02/06/01 19:44	S_G	558871
N-Nitrosodi-n-propylamine	ND		380	1		02/06/01 19:44	S_G	558871
N-Nitrosodiphenylamine	ND		380	1		02/06/01 19:44	S_G	558871
Naphthalene	ND		380	1		02/06/01 19:44	S_G	558871
Nitrobenzene	ND		380	1		02/06/01 19:44	S_G	558871
Pentachlorophenol	ND		3900	1		02/06/01 19:44	S_G	558871
Phenanthrene	ND		380	1		02/06/01 19:44	S_G	558871
Phenol	ND		380	1		02/06/01 19:44	S_G	558871
Pyrene	ND		380	1		02/06/01 19:44	S_G	558871
2-Methylphenol	ND		380	1		02/06/01 19:44	S_G	558871
3 & 4-Methylphenol	ND		380	1		02/06/01 19:44	S_G	558871
Surr: 2,4,6-Tribromophenol	104	%	19-122	1		02/06/01 19:44	S_G	558871
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		02/06/01 19:44	S_G	558871
Surr: 2-Fluorophenol	60.0	%	25-121	1		02/06/01 19:44	S_G	558871
Surr: Nitrobenzene-d5	54.1	%	23-120	1		02/06/01 19:44	S_G	558871
Surr: Phenol-d5	52.0	%	24-113	1		02/06/01 19:44	S_G	558871
Surr: Terphenyl-d14	94.1	%	18-137	1		02/06/01 19:44	S_G	558871

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 102 | Collected: 2/2/01 1:45:00 P | SPL Sample ID: 01020104-03

Site: #11676-10

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		57		50		02/08/01 18:42	TP	561940
1,1,2,2-Tetrachloroethane	ND		57		50		02/08/01 18:42	TP	561940
1,1,2-Trichloroethane	ND		57		50		02/08/01 18:42	TP	561940
1,1-Dichloroethane	ND		57		50		02/08/01 18:42	TP	561940
1,1-Dichloroethene	ND		57		50		02/08/01 18:42	TP	561940
1,2-Dichloroethane	ND		57		50		02/08/01 18:42	TP	561940
1,2-Dichloropropane	ND		57		50		02/08/01 18:42	TP	561940
2-Butanone	ND		2900		50		02/08/01 18:42	TP	561940
2-Hexanone	ND		2900		50		02/08/01 18:42	TP	561940
4-Methyl-2-pentanone	ND		2900		50		02/08/01 18:42	TP	561940
Acetone	ND		5700		50		02/08/01 18:42	TP	561940
Benzene	ND		57		50		02/08/01 18:42	TP	561940
Bromodichloromethane	ND		57		50		02/08/01 18:42	TP	561940
Bromoform	ND		57		50		02/08/01 18:42	TP	561940
Bromomethane	ND		57		50		02/08/01 18:42	TP	561940
Carbon disulfide	ND		290		50		02/08/01 18:42	TP	561940
Carbon tetrachloride	ND		57		50		02/08/01 18:42	TP	561940
Chlorobenzene	ND		57		50		02/08/01 18:42	TP	561940
Chloroethane	ND		570		50		02/08/01 18:42	TP	561940
Chloroform	ND		57		50		02/08/01 18:42	TP	561940
Chloromethane	ND		570		50		02/08/01 18:42	TP	561940
dibromochloromethane	ND		57		50		02/08/01 18:42	TP	561940
Ethylbenzene	ND		57		50		02/08/01 18:42	TP	561940
Methylene chloride	ND		290		50		02/08/01 18:42	TP	561940
Styrene	ND		57		50		02/08/01 18:42	TP	561940
Tetrachloroethene	ND		57		50		02/08/01 18:42	TP	561940
Toluene	ND		57		50		02/08/01 18:42	TP	561940
trans-1,3-Dichloropropene	ND		57		50		02/08/01 18:42	TP	561940
Trichloroethene	ND		57		50		02/08/01 18:42	TP	561940
Vinyl chloride	ND		57		50		02/08/01 18:42	TP	561940
cis-1,2-Dichloroethene	ND		57		50		02/08/01 18:42	TP	561940
cis-1,3-Dichloropropene	ND		57		50		02/08/01 18:42	TP	561940
trans-1,2-Dichloroethene	ND		57		50		02/08/01 18:42	TP	561940
Xylenes,Total	ND		170		50		02/08/01 18:42	TP	561940
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/08/01 18:42	TP	561940
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/08/01 18:42	TP	561940
Surr: Toluene-d8	100	%	80-140		50		02/08/01 18:42	TP	561940

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 103 **Collected:** 2/2/01 2:50:00 P **SPL Sample ID:** 01020104-04

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**	**D2216**		**Units: wt%**		
Percent Moisture	19.4	0		1		02/03/01 13:00	KM	554312

Qualifiers:

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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 103 **Collected:** 2/2/01 2:50:00 P **SPL Sample ID:** 01020104-04

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	410		1		02/06/01 20:17	S_G	558872
1,2-Dichlorobenzene	ND	62		1		02/06/01 20:17	S_G	558872
1,3-Dichlorobenzene	ND	62		1		02/06/01 20:17	S_G	558872
1,4-Dichlorobenzene	ND	62		1		02/06/01 20:17	S_G	558872
2,4,5-Trichlorophenol	ND	2100		1		02/06/01 20:17	S_G	558872
2,4,6-Trichlorophenol	ND	410		1		02/06/01 20:17	S_G	558872
2,4-Dichlorophenol	ND	410		1		02/06/01 20:17	S_G	558872
2,4-Dimethylphenol	ND	410		1		02/06/01 20:17	S_G	558872
2,4-Dinitrophenol	ND	2100		1		02/06/01 20:17	S_G	558872
2,4-Dinitrotoluene	ND	410		1		02/06/01 20:17	S_G	558872
2,6-Dinitrotoluene	ND	410		1		02/06/01 20:17	S_G	558872
2-Chloronaphthalene	ND	410		1		02/06/01 20:17	S_G	558872
2-Chlorophenol	ND	410		1		02/06/01 20:17	S_G	558872
2-Methylnaphthalene	ND	410		1		02/06/01 20:17	S_G	558872
2-Nitroaniline	ND	2100		1		02/06/01 20:17	S_G	558872
2-Nitrophenol	ND	2100		1		02/06/01 20:17	S_G	558872
3,3'-Dichlorobenzidine	ND	2500		1		02/06/01 20:17	S_G	558872
3-Nitroaniline	ND	2100		1		02/06/01 20:17	S_G	558872
4,6-Dinitro-2-methylphenol	ND	2100		1		02/06/01 20:17	S_G	558872
4-Bromophenyl phenyl ether	ND	410		1		02/06/01 20:17	S_G	558872
4-Chloro-3-methylphenol	ND	1600		1		02/06/01 20:17	S_G	558872
4-Chloroaniline	ND	410		1		02/06/01 20:17	S_G	558872
4-Chlorophenyl phenyl ether	ND	410		1		02/06/01 20:17	S_G	558872
4-Nitroaniline	ND	2100		1		02/06/01 20:17	S_G	558872
4-Nitrophenol	ND	990		1		02/06/01 20:17	S_G	558872
Acenaphthene	ND	410		1		02/06/01 20:17	S_G	558872
Acenaphthylene	ND	410		1		02/06/01 20:17	S_G	558872
Anthracene	ND	410		1		02/06/01 20:17	S_G	558872
Benz(a)anthracene	ND	410		1		02/06/01 20:17	S_G	558872
Benzo(a)pyrene	ND	410		1		02/06/01 20:17	S_G	558872
Benzo(b)fluoranthene	ND	410		1		02/06/01 20:17	S_G	558872
Benzo(g,h,i)perylene	ND	410		1		02/06/01 20:17	S_G	558872
Benzo(k)fluoranthene	ND	410		1		02/06/01 20:17	S_G	558872
Bis(2-chloroethoxy)methane	ND	410		1		02/06/01 20:17	S_G	558872
Bis(2-chloroethyl)ether	ND	410		1		02/06/01 20:17	S_G	558872
Bis(2-chloroisopropyl)ether	ND	410		1		02/06/01 20:17	S_G	558872
Bis(2-ethylhexyl)phthalate	ND	410		1		02/06/01 20:17	S_G	558872
Butyl benzyl phthalate	ND	410		1		02/06/01 20:17	S_G	558872
Carbazole	ND	410		1		02/06/01 20:17	S_G	558872
Chrysene	ND	410		1		02/06/01 20:17	S_G	558872

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 103 **Collected:** 2/2/01 2:50:00 P **SPL Sample ID:** 01020104-04

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		410	1		02/06/01 20:17	S_G	558872
Di-n-octyl phthalate	ND		410	1		02/06/01 20:17	S_G	558872
Dibenz(a,h)anthracene	ND		410	1		02/06/01 20:17	S_G	558872
Dibenzofuran	ND		410	1		02/06/01 20:17	S_G	558872
Diethyl phthalate	ND		410	1		02/06/01 20:17	S_G	558872
Dimethyl phthalate	ND		410	1		02/06/01 20:17	S_G	558872
Fluoranthene	ND		410	1		02/06/01 20:17	S_G	558872
Fluorene	ND		410	1		02/06/01 20:17	S_G	558872
Hexachlorobenzene	420		410	1		02/06/01 20:17	S_G	558872
Hexachlorobutadiene	ND		410	1		02/06/01 20:17	S_G	558872
Hexachlorocyclopentadiene	ND		410	1		02/06/01 20:17	S_G	558872
Hexachloroethane	ND		120	1		02/06/01 20:17	S_G	558872
Indeno(1,2,3-cd)pyrene	ND		410	1		02/06/01 20:17	S_G	558872
Isophorone	ND		410	1		02/06/01 20:17	S_G	558872
N-Nitrosodi-n-propylamine	ND		410	1		02/06/01 20:17	S_G	558872
N-Nitrosodiphenylamine	ND		410	1		02/06/01 20:17	S_G	558872
Naphthalene	ND		410	1		02/06/01 20:17	S_G	558872
Nitrobenzene	ND		410	1		02/06/01 20:17	S_G	558872
Pentachlorophenol	ND		4200	1		02/06/01 20:17	S_G	558872
Phenanthrene	ND		410	1		02/06/01 20:17	S_G	558872
Phenol	ND		410	1		02/06/01 20:17	S_G	558872
Pyrene	ND		410	1		02/06/01 20:17	S_G	558872
2-Methylphenol	730		410	1		02/06/01 20:17	S_G	558872
3 & 4-Methylphenol	ND		410	1		02/06/01 20:17	S_G	558872
Surr: 2,4,6-Tribromophenol	116	%	19-122	1		02/06/01 20:17	S_G	558872
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/06/01 20:17	S_G	558872
Surr: 2-Fluorophenol	76.0	%	25-121	1		02/06/01 20:17	S_G	558872
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/06/01 20:17	S_G	558872
Surr: Phenol-d5	72.0	%	24-113	1		02/06/01 20:17	S_G	558872
Surr: Terphenyl-d14	106	%	18-137	1		02/06/01 20:17	S_G	558872

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 103 | Collected: 2/2/01 2:50:00 P | SPL Sample ID: 01020104-04

Site: #11676-10

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		62		50		02/07/01 20:02	TP	559961
1,1,2,2-Tetrachloroethane	ND		62		50		02/07/01 20:02	TP	559961
1,1,2-Trichloroethane	ND		62		50		02/07/01 20:02	TP	559961
1,1-Dichloroethane	ND		62		50		02/07/01 20:02	TP	559961
1,1-Dichloroethene	ND		62		50		02/07/01 20:02	TP	559961
1,2-Dichloroethane	ND		62		50		02/07/01 20:02	TP	559961
1,2-Dichloropropane	ND		62		50		02/07/01 20:02	TP	559961
2-Butanone	ND		3100		50		02/07/01 20:02	TP	559961
2-Hexanone	ND		3100		50		02/07/01 20:02	TP	559961
4-Methyl-2-pentanone	ND		3100		50		02/07/01 20:02	TP	559961
Acetone	ND		6200		50		02/07/01 20:02	TP	559961
Benzene	ND		62		50		02/07/01 20:02	TP	559961
Bromodichloromethane	ND		62		50		02/07/01 20:02	TP	559961
Bromoform	ND		62		50		02/07/01 20:02	TP	559961
Bromomethane	ND		62		50		02/07/01 20:02	TP	559961
Carbon disulfide	ND		310		50		02/07/01 20:02	TP	559961
Carbon tetrachloride	ND		62		50		02/07/01 20:02	TP	559961
Chlorobenzene	260		62		50		02/07/01 20:02	TP	559961
Chloroethane	ND		620		50		02/07/01 20:02	TP	559961
Chloroform	ND		62		50		02/07/01 20:02	TP	559961
Chloromethane	ND		620		50		02/07/01 20:02	TP	559961
dibromochloromethane	ND		62		50		02/07/01 20:02	TP	559961
Ethylbenzene	ND		62		50		02/07/01 20:02	TP	559961
Methylene chloride	ND		310		50		02/07/01 20:02	TP	559961
Styrene	ND		62		50		02/07/01 20:02	TP	559961
Tetrachloroethene	410		62		50		02/07/01 20:02	TP	559961
Toluene	ND		62		50		02/07/01 20:02	TP	559961
trans-1,3-Dichloropropene	ND		62		50		02/07/01 20:02	TP	559961
Trichloroethene	170		62		50		02/07/01 20:02	TP	559961
Vinyl chloride	ND		62		50		02/07/01 20:02	TP	559961
cis-1,2-Dichloroethene	210		62		50		02/07/01 20:02	TP	559961
cis-1,3-Dichloropropene	ND		62		50		02/07/01 20:02	TP	559961
trans-1,2-Dichloroethene	ND		62		50		02/07/01 20:02	TP	559961
Xylenes, Total	ND		190		50		02/07/01 20:02	TP	559961
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		50		02/07/01 20:02	TP	559961
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/07/01 20:02	TP	559961
Surr: Toluene-d8	96.0	%	80-140		50		02/07/01 20:02	TP	559961

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 104 **Collected:** 2/2/01 4:10:00 P **SPL Sample ID:** 01020104-05

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	Units: wt%		
Percent Moisture	17.1	0		1		02/03/01 13:00	KM	554313

Qualifiers:

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8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 104 Collected: 2/2/01 4:10:00 P SPL Sample ID: 01020104-05

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	400		1		02/06/01 20:49	S_G	558873
1,2-Dichlorobenzene	ND	60		1		02/06/01 20:49	S_G	558873
1,3-Dichlorobenzene	ND	60		1		02/06/01 20:49	S_G	558873
1,4-Dichlorobenzene	ND	60		1		02/06/01 20:49	S_G	558873
2,4,5-Trichlorophenol	ND	2100		1		02/06/01 20:49	S_G	558873
2,4,6-Trichlorophenol	ND	400		1		02/06/01 20:49	S_G	558873
2,4-Dichlorophenol	ND	400		1		02/06/01 20:49	S_G	558873
2,4-Dimethylphenol	ND	400		1		02/06/01 20:49	S_G	558873
2,4-Dinitrophenol	ND	2100		1		02/06/01 20:49	S_G	558873
2,4-Dinitrotoluene	ND	400		1		02/06/01 20:49	S_G	558873
2,6-Dinitrotoluene	ND	400		1		02/06/01 20:49	S_G	558873
2-Chloronaphthalene	ND	400		1		02/06/01 20:49	S_G	558873
2-Chlorophenol	ND	400		1		02/06/01 20:49	S_G	558873
2-Methylnaphthalene	ND	400		1		02/06/01 20:49	S_G	558873
2-Nitroaniline	ND	2100		1		02/06/01 20:49	S_G	558873
2-Nitrophenol	ND	2100		1		02/06/01 20:49	S_G	558873
3,3 -Dichlorobenzidine	ND	2400		1		02/06/01 20:49	S_G	558873
3-Nitroaniline	ND	2100		1		02/06/01 20:49	S_G	558873
4,6-Dinitro-2-methylphenol	ND	2100		1		02/06/01 20:49	S_G	558873
4-Bromophenyl phenyl ether	ND	400		1		02/06/01 20:49	S_G	558873
4-Chloro-3-methylphenol	ND	1600		1		02/06/01 20:49	S_G	558873
4-Chloroaniline	ND	400		1		02/06/01 20:49	S_G	558873
4-Chlorophenyl phenyl ether	ND	400		1		02/06/01 20:49	S_G	558873
4-Nitroaniline	ND	2100		1		02/06/01 20:49	S_G	558873
4-Nitrophenol	ND	970		1		02/06/01 20:49	S_G	558873
Acenaphthene	ND	400		1		02/06/01 20:49	S_G	558873
Acenaphthylene	ND	400		1		02/06/01 20:49	S_G	558873
Anthracene	ND	400		1		02/06/01 20:49	S_G	558873
Benz(a)anthracene	ND	400		1		02/06/01 20:49	S_G	558873
Benzo(a)pyrene	ND	400		1		02/06/01 20:49	S_G	558873
Benzo(b)fluoranthene	ND	400		1		02/06/01 20:49	S_G	558873
Benzo(g,h,i)perylene	ND	400		1		02/06/01 20:49	S_G	558873
Benzo(k)fluoranthene	ND	400		1		02/06/01 20:49	S_G	558873
Bis(2-chloroethoxy)methane	ND	400		1		02/06/01 20:49	S_G	558873
Bis(2-chloroethyl)ether	ND	400		1		02/06/01 20:49	S_G	558873
Bis(2-chloroisopropyl)ether	ND	400		1		02/06/01 20:49	S_G	558873
Bis(2-ethylhexyl)phthalate	ND	400		1		02/06/01 20:49	S_G	558873
Butyl benzyl phthalate	ND	400		1		02/06/01 20:49	S_G	558873
Carbazole	ND	400		1		02/06/01 20:49	S_G	558873
Chrysene	ND	400		1		02/06/01 20:49	S_G	558873

Qualifiers:
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 104 **Collected:** 2/2/01 4:10:00 P **SPL Sample ID:** 01020104-05

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		400	1		02/06/01 20:49	S_G	558873
Di-n-octyl phthalate	ND		400	1		02/06/01 20:49	S_G	558873
Dibenz(a,h)anthracene	ND		400	1		02/06/01 20:49	S_G	558873
Dibenzofuran	ND		400	1		02/06/01 20:49	S_G	558873
Diethyl phthalate	ND		400	1		02/06/01 20:49	S_G	558873
Dimethyl phthalate	ND		400	1		02/06/01 20:49	S_G	558873
Fluoranthene	ND		400	1		02/06/01 20:49	S_G	558873
Fluorene	ND		400	1		02/06/01 20:49	S_G	558873
Hexachlorobenzene	ND		400	1		02/06/01 20:49	S_G	558873
Hexachlorobutadiene	ND		400	1		02/06/01 20:49	S_G	558873
Hexachlorocyclopentadiene	ND		400	1		02/06/01 20:49	S_G	558873
Hexachloroethane	ND		120	1		02/06/01 20:49	S_G	558873
Indeno(1,2,3-cd)pyrene	ND		400	1		02/06/01 20:49	S_G	558873
Isophorone	ND		400	1		02/06/01 20:49	S_G	558873
N-Nitrosodi-n-propylamine	ND		400	1		02/06/01 20:49	S_G	558873
N-Nitrosodiphenylamine	ND		400	1		02/06/01 20:49	S_G	558873
Naphthalene	ND		400	1		02/06/01 20:49	S_G	558873
Nitrobenzene	ND		400	1		02/06/01 20:49	S_G	558873
Pentachlorophenol	ND		4100	1		02/06/01 20:49	S_G	558873
Phenanthrene	ND		400	1		02/06/01 20:49	S_G	558873
Phenol	ND		400	1		02/06/01 20:49	S_G	558873
Pyrene	ND		400	1		02/06/01 20:49	S_G	558873
2-Methylphenol	ND		400	1		02/06/01 20:49	S_G	558873
3 & 4-Methylphenol	ND		400	1		02/06/01 20:49	S_G	558873
Surr: 2,4,6-Tribromophenol	120	%	19-122	1		02/06/01 20:49	S_G	558873
Surr: 2-Fluorobiphenyl	88.2	%	30-115	1		02/06/01 20:49	S_G	558873
Surr: 2-Fluorophenol	76.0	%	25-121	1		02/06/01 20:49	S_G	558873
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/06/01 20:49	S_G	558873
Surr: Phenol-d5	68.0	%	24-113	1		02/06/01 20:49	S_G	558873
Surr: Terphenyl-d14	100	%	18-137	1		02/06/01 20:49	S_G	558873

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-DM 104 | Collected: 2/2/01 4:10:00 P | SPL Sample ID: 01020104-05

Site: #11676-10

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		60		50		02/07/01 20:28	TP	559962
1,1,2,2-Tetrachloroethane	ND		60		50		02/07/01 20:28	TP	559962
1,1,2-Trichloroethane	ND		60		50		02/07/01 20:28	TP	559962
1,1-Dichloroethane	ND		60		50		02/07/01 20:28	TP	559962
1,1-Dichloroethene	ND		60		50		02/07/01 20:28	TP	559962
1,2-Dichloroethane	ND		60		50		02/07/01 20:28	TP	559962
1,2-Dichloropropane	ND		60		50		02/07/01 20:28	TP	559962
2-Butanone	ND		3000		50		02/07/01 20:28	TP	559962
2-Hexanone	ND		3000		50		02/07/01 20:28	TP	559962
4-Methyl-2-pentanone	ND		3000		50		02/07/01 20:28	TP	559962
Acetone	ND		6000		50		02/07/01 20:28	TP	559962
Benzene	ND		60		50		02/07/01 20:28	TP	559962
Bromodichloromethane	ND		60		50		02/07/01 20:28	TP	559962
Bromoform	ND		60		50		02/07/01 20:28	TP	559962
Bromomethane	ND		60		50		02/07/01 20:28	TP	559962
Carbon disulfide	ND		300		50		02/07/01 20:28	TP	559962
Carbon tetrachloride	ND		60		50		02/07/01 20:28	TP	559962
Chlorobenzene	ND		60		50		02/07/01 20:28	TP	559962
Chloroethane	ND		600		50		02/07/01 20:28	TP	559962
Chloroform	ND		60		50		02/07/01 20:28	TP	559962
Chloromethane	ND		600		50		02/07/01 20:28	TP	559962
dibromochloromethane	ND		60		50		02/07/01 20:28	TP	559962
Ethylbenzene	ND		60		50		02/07/01 20:28	TP	559962
Methylene chloride	ND		300		50		02/07/01 20:28	TP	559962
Styrene	ND		60		50		02/07/01 20:28	TP	559962
Tetrachloroethene	ND		60		50		02/07/01 20:28	TP	559962
Toluene	ND		60		50		02/07/01 20:28	TP	559962
trans-1,3-Dichloropropene	ND		60		50		02/07/01 20:28	TP	559962
Trichloroethene	ND		60		50		02/07/01 20:28	TP	559962
Vinyl chloride	ND		60		50		02/07/01 20:28	TP	559962
cis-1,2-Dichloroethene	ND		60		50		02/07/01 20:28	TP	559962
cis-1,3-Dichloropropene	ND		60		50		02/07/01 20:28	TP	559962
trans-1,2-Dichloroethene	ND		60		50		02/07/01 20:28	TP	559962
Xylenes,Total	ND		180		50		02/07/01 20:28	TP	559962
Surr: 1,2-Dichloroethane-d4	72.0	%	70-120		50		02/07/01 20:28	TP	559962
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/07/01 20:28	TP	559962
Surr: Toluene-d8	96.0	%	80-140		50		02/07/01 20:28	TP	559962

Qualifiers:

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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 20 **Collected:** 2/2/01 9:00:00 A **SPL Sample ID:** 01020104-06

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	12	0		1		02/03/01 13:00	KM	554314

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 20 **Collected:** 2/2/01 9:00:00 A **SPL Sample ID:** 01020104-06

Site: #11676-10

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	380	1		02/06/01 21:21	S_G	558874
1,2-Dichlorobenzene	430	57	1		02/06/01 21:21	S_G	558874
1,3-Dichlorobenzene	ND	57	1		02/06/01 21:21	S_G	558874
1,4-Dichlorobenzene	ND	57	1		02/06/01 21:21	S_G	558874
2,4,5-Trichlorophenol	ND	1900	1		02/06/01 21:21	S_G	558874
2,4,6-Trichlorophenol	ND	380	1		02/06/01 21:21	S_G	558874
2,4-Dichlorophenol	ND	380	1		02/06/01 21:21	S_G	558874
2,4-Dimethylphenol	ND	380	1		02/06/01 21:21	S_G	558874
2,4-Dinitrophenol	ND	1900	1		02/06/01 21:21	S_G	558874
2,4-Dinitrotoluene	ND	380	1		02/06/01 21:21	S_G	558874
2,6-Dinitrotoluene	ND	380	1		02/06/01 21:21	S_G	558874
2-Chloronaphthalene	ND	380	1		02/06/01 21:21	S_G	558874
2-Chlorophenol	ND	380	1		02/06/01 21:21	S_G	558874
2-Methylnaphthalene	ND	380	1		02/06/01 21:21	S_G	558874
2-Nitroaniline	ND	1900	1		02/06/01 21:21	S_G	558874
2-Nitrophenol	ND	1900	1		02/06/01 21:21	S_G	558874
3,3'-Dichlorobenzidine	ND	2300	1		02/06/01 21:21	S_G	558874
3-Nitroaniline	ND	1900	1		02/06/01 21:21	S_G	558874
4,6-Dinitro-2-methylphenol	ND	1900	1		02/06/01 21:21	S_G	558874
4-Bromophenyl phenyl ether	ND	380	1		02/06/01 21:21	S_G	558874
4-Chloro-3-methylphenol	ND	1500	1		02/06/01 21:21	S_G	558874
4-Chloroaniline	ND	380	1		02/06/01 21:21	S_G	558874
4-Chlorophenyl phenyl ether	ND	380	1		02/06/01 21:21	S_G	558874
4-Nitroaniline	ND	1900	1		02/06/01 21:21	S_G	558874
4-Nitrophenol	ND	910	1		02/06/01 21:21	S_G	558874
Acenaphthene	ND	380	1		02/06/01 21:21	S_G	558874
Acenaphthylene	ND	380	1		02/06/01 21:21	S_G	558874
Anthracene	ND	380	1		02/06/01 21:21	S_G	558874
Benz(a)anthracene	ND	380	1		02/06/01 21:21	S_G	558874
Benzo(a)pyrene	ND	380	1		02/06/01 21:21	S_G	558874
Benzo(b)fluoranthene	ND	380	1		02/06/01 21:21	S_G	558874
Benzo(g,h,i)perylene	ND	380	1		02/06/01 21:21	S_G	558874
Benzo(k)fluoranthene	ND	380	1		02/06/01 21:21	S_G	558874
Bis(2-chloroethoxy)methane	ND	380	1		02/06/01 21:21	S_G	558874
Bis(2-chloroethyl)ether	ND	380	1		02/06/01 21:21	S_G	558874
Bis(2-chloroisopropyl)ether	ND	380	1		02/06/01 21:21	S_G	558874
Bis(2-ethylhexyl)phthalate	ND	380	1		02/06/01 21:21	S_G	558874
Butyl benzyl phthalate	ND	380	1		02/06/01 21:21	S_G	558874
Carbazole	ND	380	1		02/06/01 21:21	S_G	558874
Chrysene	ND	380	1		02/06/01 21:21	S_G	558874

Qualifiers: ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 20 **Collected:** 2/2/01 9:00:00 A **SPL Sample ID:** 01020104-06

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/06/01 21:21	S_G	558874
Di-n-octyl phthalate	ND		380	1		02/06/01 21:21	S_G	558874
Dibenz(a,h)anthracene	ND		380	1		02/06/01 21:21	S_G	558874
Dibenzofuran	ND		380	1		02/06/01 21:21	S_G	558874
Diethyl phthalate	ND		380	1		02/06/01 21:21	S_G	558874
Dimethyl phthalate	ND		380	1		02/06/01 21:21	S_G	558874
Fluoranthene	ND		380	1		02/06/01 21:21	S_G	558874
Fluorene	ND		380	1		02/06/01 21:21	S_G	558874
Hexachlorobenzene	1500		380	1		02/06/01 21:21	S_G	558874
Hexachlorobutadiene	4300		1500	4		02/07/01 10:38	S_G	558980
Hexachlorocyclopentadiene	ND		380	1		02/06/01 21:21	S_G	558874
Hexachloroethane	4000		450	4		02/07/01 10:38	S_G	558980
Indeno(1,2,3-cd)pyrene	ND		380	1		02/06/01 21:21	S_G	558874
Isophorone	ND		380	1		02/06/01 21:21	S_G	558874
N-Nitrosodi-n-propylamine	ND		380	1		02/06/01 21:21	S_G	558874
N-Nitrosodiphenylamine	ND		380	1		02/06/01 21:21	S_G	558874
Naphthalene	ND		380	1		02/06/01 21:21	S_G	558874
Nitrobenzene	ND		380	1		02/06/01 21:21	S_G	558874
Pentachlorophenol	ND		3900	1		02/06/01 21:21	S_G	558874
Phenanthrene	ND		380	1		02/06/01 21:21	S_G	558874
Phenol	ND		380	1		02/06/01 21:21	S_G	558874
Pyrene	ND		380	1		02/06/01 21:21	S_G	558874
2-Methylphenol	ND		380	1		02/06/01 21:21	S_G	558874
3 & 4-Methylphenol	ND		380	1		02/06/01 21:21	S_G	558874
Surr: 2,4,6-Tribromophenol	68.0	%	19-122	4		02/07/01 10:38	S_G	558980
Surr: 2,4,6-Tribromophenol	116	%	19-122	1		02/06/01 21:21	S_G	558874
Surr: 2-Fluorobiphenyl	88.2	%	30-115	4		02/07/01 10:38	S_G	558980
Surr: 2-Fluorobiphenyl	88.2	%	30-115	1		02/06/01 21:21	S_G	558874
Surr: 2-Fluorophenol	80.0	%	25-121	1		02/06/01 21:21	S_G	558874
Surr: 2-Fluorophenol	76.0	%	25-121	4		02/07/01 10:38	S_G	558980
Surr: Nitrobenzene-d5	94.1	%	23-120	4		02/07/01 10:38	S_G	558980
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/06/01 21:21	S_G	558874
Surr: Phenol-d5	76.0	%	24-113	4		02/07/01 10:38	S_G	558980
Surr: Phenol-d5	72.0	%	24-113	1		02/06/01 21:21	S_G	558874
Surr: Terphenyl-d14	82.4	%	18-137	4		02/07/01 10:38	S_G	558980
Surr: Terphenyl-d14	94.1	%	18-137	1		02/06/01 21:21	S_G	558874

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 20 | Collected: 2/2/01 9:00:00 A | SPL Sample ID: 01020104-06

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		57		50		02/07/01 20:54	TP	559963
1,1,2,2-Tetrachloroethane	ND		57		50		02/07/01 20:54	TP	559963
1,1,2-Trichloroethane	ND		57		50		02/07/01 20:54	TP	559963
1,1-Dichloroethane	ND		57		50		02/07/01 20:54	TP	559963
1,1-Dichloroethene	ND		57		50		02/07/01 20:54	TP	559963
1,2-Dichloroethane	ND		57		50		02/07/01 20:54	TP	559963
1,2-Dichloropropane	ND		57		50		02/07/01 20:54	TP	559963
2-Butanone	ND		2800		50		02/07/01 20:54	TP	559963
2-Hexanone	ND		2800		50		02/07/01 20:54	TP	559963
4-Methyl-2-pentanone	ND		2800		50		02/07/01 20:54	TP	559963
Acetone	ND		5700		50		02/07/01 20:54	TP	559963
Benzene	ND		57		50		02/07/01 20:54	TP	559963
Bromodichloromethane	ND		57		50		02/07/01 20:54	TP	559963
Bromoform	ND		57		50		02/07/01 20:54	TP	559963
Bromomethane	ND		57		50		02/07/01 20:54	TP	559963
Carbon disulfide	ND		280		50		02/07/01 20:54	TP	559963
Carbon tetrachloride	ND		57		50		02/07/01 20:54	TP	559963
Chlorobenzene	ND		57		50		02/07/01 20:54	TP	559963
Chloroethane	ND		570		50		02/07/01 20:54	TP	559963
Chloroform	ND		57		50		02/07/01 20:54	TP	559963
Chloromethane	ND		570		50		02/07/01 20:54	TP	559963
dibromochloromethane	ND		57		50		02/07/01 20:54	TP	559963
Ethylbenzene	ND		57		50		02/07/01 20:54	TP	559963
Methylene chloride	ND		280		50		02/07/01 20:54	TP	559963
Styrene	ND		57		50		02/07/01 20:54	TP	559963
Tetrachloroethene	110000		1100		1000		02/08/01 20:51	TP	561945
Toluene	ND		57		50		02/07/01 20:54	TP	559963
trans-1,3-Dichloropropene	ND		57		50		02/07/01 20:54	TP	559963
Trichloroethene	26000		1100		1000		02/08/01 20:51	TP	561945
Vinyl chloride	ND		57		50		02/07/01 20:54	TP	559963
cis-1,2-Dichloroethene	240		57		50		02/07/01 20:54	TP	559963
cis-1,3-Dichloropropene	ND		57		50		02/07/01 20:54	TP	559963
trans-1,2-Dichloroethene	ND		57		50		02/07/01 20:54	TP	559963
Xylenes,Total	ND		170		50		02/07/01 20:54	TP	559963
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		50		02/07/01 20:54	TP	559963
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		1000		02/08/01 20:51	TP	561945
Surr: 4-Bromofluorobenzene	96.0	%	74-130		50		02/07/01 20:54	TP	559963
Surr: 4-Bromofluorobenzene	96.0	%	74-130		1000		02/08/01 20:51	TP	561945
Surr: Toluene-d8	96.0	%	80-140		50		02/07/01 20:54	TP	559963
Surr: Toluene-d8	98.0	%	80-140		1000		02/08/01 20:51	TP	561945

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 21 **Collected:** 2/2/01 10:15:00 **SPL Sample ID:** 01020104-07

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	18.8	0		1		02/03/01 13:00	KM	554315

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 21 | Collected: 2/2/01 10:15:00 | SPL Sample ID: 01020104-07

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEM VOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	410		1		02/06/01 21:54	S_G	558875
1,2-Dichlorobenzene	360	62		1		02/06/01 21:54	S_G	558875
1,3-Dichlorobenzene	ND	62		1		02/06/01 21:54	S_G	558875
1,4-Dichlorobenzene	ND	62		1		02/06/01 21:54	S_G	558875
2,4,5-Trichlorophenol	ND	2100		1		02/06/01 21:54	S_G	558875
2,4,6-Trichlorophenol	ND	410		1		02/06/01 21:54	S_G	558875
2,4-Dichlorophenol	ND	410		1		02/06/01 21:54	S_G	558875
2,4-Dimethylphenol	ND	410		1		02/06/01 21:54	S_G	558875
2,4-Dinitrophenol	ND	2100		1		02/06/01 21:54	S_G	558875
2,4-Dinitrotoluene	ND	410		1		02/06/01 21:54	S_G	558875
2,6-Dinitrotoluene	ND	410		1		02/06/01 21:54	S_G	558875
2-Chloronaphthalene	ND	410		1		02/06/01 21:54	S_G	558875
2-Chlorophenol	ND	410		1		02/06/01 21:54	S_G	558875
2-Methylnaphthalene	ND	410		1		02/06/01 21:54	S_G	558875
2-Nitroaniline	ND	2100		1		02/06/01 21:54	S_G	558875
2-Nitrophenol	ND	2100		1		02/06/01 21:54	S_G	558875
3,3'-Dichlorobenzidine	ND	2500		1		02/06/01 21:54	S_G	558875
3-Nitroaniline	ND	2100		1		02/06/01 21:54	S_G	558875
4,6-Dinitro-2-methylphenol	ND	2100		1		02/06/01 21:54	S_G	558875
4-Bromophenyl phenyl ether	ND	410		1		02/06/01 21:54	S_G	558875
4-Chloro-3-methylphenol	ND	1600		1		02/06/01 21:54	S_G	558875
4-Chloroaniline	ND	410		1		02/06/01 21:54	S_G	558875
4-Chlorophenyl phenyl ether	ND	410		1		02/06/01 21:54	S_G	558875
4-Nitroaniline	ND	2100		1		02/06/01 21:54	S_G	558875
4-Nitrophenol	ND	990		1		02/06/01 21:54	S_G	558875
Acenaphthene	ND	410		1		02/06/01 21:54	S_G	558875
Acenaphthylene	ND	410		1		02/06/01 21:54	S_G	558875
Anthracene	ND	410		1		02/06/01 21:54	S_G	558875
Benz(a)anthracene	ND	410		1		02/06/01 21:54	S_G	558875
Benzo(a)pyrene	ND	410		1		02/06/01 21:54	S_G	558875
Benzo(b)fluoranthene	ND	410		1		02/06/01 21:54	S_G	558875
Benzo(g,h,i)perylene	ND	410		1		02/06/01 21:54	S_G	558875
Benzo(k)fluoranthene	ND	410		1		02/06/01 21:54	S_G	558875
Bis(2-chloroethoxy)methane	ND	410		1		02/06/01 21:54	S_G	558875
Bis(2-chloroethyl)ether	ND	410		1		02/06/01 21:54	S_G	558875
Bis(2-chloroisopropyl)ether	ND	410		1		02/06/01 21:54	S_G	558875
Bis(2-ethylhexyl)phthalate	490	410		1		02/06/01 21:54	S_G	558875
Butyl benzyl phthalate	ND	410		1		02/06/01 21:54	S_G	558875
Carbazole	ND	410		1		02/06/01 21:54	S_G	558875
Chrysene	ND	410		1		02/06/01 21:54	S_G	558875

Qualifiers: ND/U - Not Detected at the Reporting Limit; >MCL - Result Over Maximum Contamination Limit(MCL)
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* - Surrogate Recovery Outside Advisable QC Limits; MI - Matrix Interference
J - Estimated Value between MDL and PQL

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 21 **Collected:** 2/2/01 10:15:00 **SPL Sample ID:** 01020104-07

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		410	1		02/06/01 21:54	S_G	558875
Di-n-octyl phthalate	ND		410	1		02/06/01 21:54	S_G	558875
Dibenz(a,h)anthracene	ND		410	1		02/06/01 21:54	S_G	558875
Dibenzofuran	ND		410	1		02/06/01 21:54	S_G	558875
Diethyl phthalate	ND		410	1		02/06/01 21:54	S_G	558875
Dimethyl phthalate	ND		410	1		02/06/01 21:54	S_G	558875
Fluoranthene	440		410	1		02/06/01 21:54	S_G	558875
Fluorene	ND		410	1		02/06/01 21:54	S_G	558875
Hexachlorobenzene	36000		8100	20		02/07/01 14:05	S_G	558983
Hexachlorobutadiene	34000		8100	20		02/07/01 14:05	S_G	558983
Hexachlorocyclopentadiene	ND		410	1		02/06/01 21:54	S_G	558875
Hexachloroethane	15000		2500	20		02/07/01 14:05	S_G	558983
Indeno(1,2,3-cd)pyrene	ND		410	1		02/06/01 21:54	S_G	558875
Isophorone	ND		410	1		02/06/01 21:54	S_G	558875
N-Nitrosodi-n-propylamine	ND		410	1		02/06/01 21:54	S_G	558875
N-Nitrosodiphenylamine	ND		410	1		02/06/01 21:54	S_G	558875
Naphthalene	ND		410	1		02/06/01 21:54	S_G	558875
Nitrobenzene	ND		410	1		02/06/01 21:54	S_G	558875
Pentachlorophenol	ND		4200	1		02/06/01 21:54	S_G	558875
Phenanthrene	ND		410	1		02/06/01 21:54	S_G	558875
Phenol	ND		410	1		02/06/01 21:54	S_G	558875
Pyrene	ND		410	1		02/06/01 21:54	S_G	558875
2-Methylphenol	ND		410	1		02/06/01 21:54	S_G	558875
3 & 4-Methylphenol	ND		410	1		02/06/01 21:54	S_G	558875
Surr: 2,4,6-Tribromophenol	D	%	19-122	20	*	02/07/01 14:05	S_G	558983
Surr: 2,4,6-Tribromophenol	112	%	19-122	1		02/06/01 21:54	S_G	558875
Surr: 2-Fluorobiphenyl	D	%	30-115	20	*	02/07/01 14:05	S_G	558983
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/06/01 21:54	S_G	558875
Surr: 2-Fluorophenol	D	%	25-121	20	*	02/07/01 14:05	S_G	558983
Surr: 2-Fluorophenol	72.0	%	25-121	1		02/06/01 21:54	S_G	558875
Surr: Nitrobenzene-d5	D	%	23-120	20	*	02/07/01 14:05	S_G	558983
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/06/01 21:54	S_G	558875
Surr: Phenol-d5	68.0	%	24-113	1		02/06/01 21:54	S_G	558875
Surr: Phenol-d5	D	%	24-113	20	*	02/07/01 14:05	S_G	558983
Surr: Terphenyl-d14	D	%	18-137	20	*	02/07/01 14:05	S_G	558983
Surr: Terphenyl-d14	94.1	%	18-137	1		02/06/01 21:54	S_G	558875

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 21 **Collected:** 2/2/01 10:15:00 **SPL Sample ID:** 01020104-07

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		62		50		02/07/01 21:19	TP	559964
1,1,2,2-Tetrachloroethane	4800		62		50		02/07/01 21:19	TP	559964
1,1,2-Trichloroethane	140		62		50		02/07/01 21:19	TP	559964
1,1-Dichloroethane	ND		62		50		02/07/01 21:19	TP	559964
1,1-Dichloroethene	ND		62		50		02/07/01 21:19	TP	559964
1,2-Dichloroethane	ND		62		50		02/07/01 21:19	TP	559964
1,2-Dichloropropane	ND		62		50		02/07/01 21:19	TP	559964
2-Butanone	ND		3100		50		02/07/01 21:19	TP	559964
2-Hexanone	ND		3100		50		02/07/01 21:19	TP	559964
4-Methyl-2-pentanone	ND		3100		50		02/07/01 21:19	TP	559964
Acetone	ND		6200		50		02/07/01 21:19	TP	559964
Benzene	ND		62		50		02/07/01 21:19	TP	559964
Bromodichloromethane	ND		62		50		02/07/01 21:19	TP	559964
Bromoform	ND		62		50		02/07/01 21:19	TP	559964
Bromomethane	ND		62		50		02/07/01 21:19	TP	559964
Carbon disulfide	ND		310		50		02/07/01 21:19	TP	559964
Carbon tetrachloride	ND		62		50		02/07/01 21:19	TP	559964
Chlorobenzene	ND		62		50		02/07/01 21:19	TP	559964
Chloroethane	ND		620		50		02/07/01 21:19	TP	559964
Chloroform	ND		62		50		02/07/01 21:19	TP	559964
Chloromethane	ND		620		50		02/07/01 21:19	TP	559964
dibromochloromethane	ND		62		50		02/07/01 21:19	TP	559964
Ethylbenzene	ND		62		50		02/07/01 21:19	TP	559964
Methylene chloride	ND		310		50		02/07/01 21:19	TP	559964
Styrene	ND		62		50		02/07/01 21:19	TP	559964
Tetrachloroethene	230000		3100		2500		02/08/01 21:17	TP	561946
Toluene	ND		62		50		02/07/01 21:19	TP	559964
trans-1,3-Dichloropropene	ND		62		50		02/07/01 21:19	TP	559964
Trichloroethene	48000		3100		2500		02/08/01 21:17	TP	561946
Vinyl chloride	ND		62		50		02/07/01 21:19	TP	559964
cis-1,2-Dichloroethene	380		62		50		02/07/01 21:19	TP	559964
cis-1,3-Dichloropropene	ND		62		50		02/07/01 21:19	TP	559964
trans-1,2-Dichloroethene	ND		62		50		02/07/01 21:19	TP	559964
Xylenes,Total	ND		180		50		02/07/01 21:19	TP	559964
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/07/01 21:19	TP	559964
Surr: 1,2-Dichloroethane-d4	77.6	%	70-120		2500		02/08/01 21:17	TP	561946
Surr: 4-Bromofluorobenzene	96.0	%	74-130		2500		02/08/01 21:17	TP	561946
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/07/01 21:19	TP	559964
Surr: Toluene-d8	96.0	%	80-140		2500		02/08/01 21:17	TP	561946
Surr: Toluene-d8	100	%	80-140		50		02/07/01 21:19	TP	559964

Qualifiers:

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>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020201-LP 22 **Collected:** 2/2/01 11:15:00 **SPL Sample ID:** 01020104-08

Site: ***#11676-10***

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	**Units: wt%**		
Percent Moisture	11.2	0		1		02/03/01 13:00	KM	554316

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 22 | Collected: 2/2/01 11:15:00 | SPL Sample ID: 01020104-08

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	370		1		02/06/01 22:26	S_G	558876
1,2-Dichlorobenzene	ND	56		1		02/06/01 22:26	S_G	558876
1,3-Dichlorobenzene	ND	56		1		02/06/01 22:26	S_G	558876
1,4-Dichlorobenzene	ND	56		1		02/06/01 22:26	S_G	558876
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 22:26	S_G	558876
2,4,6-Trichlorophenol	ND	370		1		02/06/01 22:26	S_G	558876
2,4-Dichlorophenol	ND	370		1		02/06/01 22:26	S_G	558876
2,4-Dimethylphenol	ND	370		1		02/06/01 22:26	S_G	558876
2,4-Dinitrophenol	ND	1900		1		02/06/01 22:26	S_G	558876
2,4-Dinitrotoluene	ND	370		1		02/06/01 22:26	S_G	558876
2,6-Dinitrotoluene	ND	370		1		02/06/01 22:26	S_G	558876
2-Chloronaphthalene	ND	370		1		02/06/01 22:26	S_G	558876
2-Chlorophenol	ND	370		1		02/06/01 22:26	S_G	558876
2-Methylnaphthalene	ND	370		1		02/06/01 22:26	S_G	558876
2-Nitroaniline	ND	1900		1		02/06/01 22:26	S_G	558876
2-Nitrophenol	ND	1900		1		02/06/01 22:26	S_G	558876
3,3'-Dichlorobenzidine	ND	2300		1		02/06/01 22:26	S_G	558876
3-Nitroaniline	ND	1900		1		02/06/01 22:26	S_G	558876
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 22:26	S_G	558876
4-Bromophenyl phenyl ether	ND	370		1		02/06/01 22:26	S_G	558876
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 22:26	S_G	558876
4-Chloroaniline	ND	370		1		02/06/01 22:26	S_G	558876
4-Chlorophenyl phenyl ether	ND	370		1		02/06/01 22:26	S_G	558876
4-Nitroaniline	ND	1900		1		02/06/01 22:26	S_G	558876
4-Nitrophenol	ND	900		1		02/06/01 22:26	S_G	558876
Acenaphthene	ND	370		1		02/06/01 22:26	S_G	558876
Acenaphthylene	ND	370		1		02/06/01 22:26	S_G	558876
Anthracene	ND	370		1		02/06/01 22:26	S_G	558876
Benz(a)anthracene	ND	370		1		02/06/01 22:26	S_G	558876
Benzo(a)pyrene	ND	370		1		02/06/01 22:26	S_G	558876
Benzo(b)fluoranthene	ND	370		1		02/06/01 22:26	S_G	558876
Benzo(g,h,i)perylene	ND	370		1		02/06/01 22:26	S_G	558876
Benzo(k)fluoranthene	ND	370		1		02/06/01 22:26	S_G	558876
Bis(2-chloroethoxy)methane	ND	370		1		02/06/01 22:26	S_G	558876
Bis(2-chloroethyl)ether	ND	370		1		02/06/01 22:26	S_G	558876
Bis(2-chloroisopropyl)ether	ND	370		1		02/06/01 22:26	S_G	558876
Bis(2-ethylhexyl)phthalate	ND	370		1		02/06/01 22:26	S_G	558876
Butylbenzylphthalate	ND	370		1		02/06/01 22:26	S_G	558876
Carbazole	ND	370		1		02/06/01 22:26	S_G	558876
Chrysene	ND	370		1		02/06/01 22:26	S_G	558876

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 22 **Collected:** 2/2/01 11:15:00 **SPL Sample ID:** 01020104-08

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/06/01 22:26	S_G	558876
Di-n-octyl phthalate	ND		370	1		02/06/01 22:26	S_G	558876
Dibenz(a,h)anthracene	ND		370	1		02/06/01 22:26	S_G	558876
Dibenzofuran	ND		370	1		02/06/01 22:26	S_G	558876
Diethyl phthalate	ND		370	1		02/06/01 22:26	S_G	558876
Dimethyl phthalate	ND		370	1		02/06/01 22:26	S_G	558876
Fluoranthene	ND		370	1		02/06/01 22:26	S_G	558876
Fluorene	ND		370	1		02/06/01 22:26	S_G	558876
Hexachlorobenzene	ND		370	1		02/06/01 22:26	S_G	558876
Hexachlorobutadiene	ND		370	1		02/06/01 22:26	S_G	558876
Hexachlorocyclopentadiene	ND		370	1		02/06/01 22:26	S_G	558876
Hexachloroethane	ND		110	1		02/06/01 22:26	S_G	558876
Indeno(1,2,3-cd)pyrene	ND		370	1		02/06/01 22:26	S_G	558876
Isophorone	ND		370	1		02/06/01 22:26	S_G	558876
N-Nitrosodi-n-propylamine	ND		370	1		02/06/01 22:26	S_G	558876
N-Nitrosodiphenylamine	ND		370	1		02/06/01 22:26	S_G	558876
Naphthalene	ND		370	1		02/06/01 22:26	S_G	558876
Nitrobenzene	ND		370	1		02/06/01 22:26	S_G	558876
Pentachlorophenol	ND		3800	1		02/06/01 22:26	S_G	558876
Phenanthrene	ND		370	1		02/06/01 22:26	S_G	558876
Phenol	ND		370	1		02/06/01 22:26	S_G	558876
Pyrene	ND		370	1		02/06/01 22:26	S_G	558876
2-Methylphenol	ND		370	1		02/06/01 22:26	S_G	558876
3 & 4-Methylphenol	ND		370	1		02/06/01 22:26	S_G	558876
Surr: 2,4,6-Tribromophenol	112	%	19-122	1		02/06/01 22:26	S_G	558876
Surr: 2-Fluorobiphenyl	82.4	%	30-115	1		02/06/01 22:26	S_G	558876
Surr: 2-Fluorophenol	72.0	%	25-121	1		02/06/01 22:26	S_G	558876
Surr: Nitrobenzene-d5	64.7	%	23-120	1		02/06/01 22:26	S_G	558876
Surr: Phenol-d5	64.0	%	24-113	1		02/06/01 22:26	S_G	558876
Surr: Terphenyl-d14	100	%	18-137	1		02/06/01 22:26	S_G	558876

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 22 | Collected: 2/2/01 11:15:00 | SPL Sample ID: 01020104-08

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/08/01 19:59	TP	561943
1,1,2,2-Tetrachloroethane	ND		56		50		02/08/01 19:59	TP	561943
1,1,2-Trichloroethane	ND		56		50		02/08/01 19:59	TP	561943
1,1-Dichloroethane	ND		56		50		02/08/01 19:59	TP	561943
1,1-Dichloroethene	ND		56		50		02/08/01 19:59	TP	561943
1,2-Dichloroethane	ND		56		50		02/08/01 19:59	TP	561943
1,2-Dichloropropane	ND		56		50		02/08/01 19:59	TP	561943
2-Butanone	ND		2800		50		02/08/01 19:59	TP	561943
2-Hexanone	ND		2800		50		02/08/01 19:59	TP	561943
4-Methyl-2-pentanone	ND		2800		50		02/08/01 19:59	TP	561943
Acetone	ND		5600		50		02/08/01 19:59	TP	561943
Benzene	ND		56		50		02/08/01 19:59	TP	561943
Bromodichloromethane	ND		56		50		02/08/01 19:59	TP	561943
Bromoform	ND		56		50		02/08/01 19:59	TP	561943
Bromomethane	ND		56		50		02/08/01 19:59	TP	561943
Carbon disulfide	ND		280		50		02/08/01 19:59	TP	561943
Carbon tetrachloride	ND		56		50		02/08/01 19:59	TP	561943
Chlorobenzene	ND		56		50		02/08/01 19:59	TP	561943
Chloroethane	ND		560		50		02/08/01 19:59	TP	561943
Chloroform	ND		56		50		02/08/01 19:59	TP	561943
Chloromethane	ND		560		50		02/08/01 19:59	TP	561943
dibromochloromethane	ND		56		50		02/08/01 19:59	TP	561943
Ethylbenzene	ND		56		50		02/08/01 19:59	TP	561943
Methylene chloride	ND		280		50		02/08/01 19:59	TP	561943
Styrene	ND		56		50		02/08/01 19:59	TP	561943
Tetrachloroethene	ND		56		50		02/08/01 19:59	TP	561943
Toluene	ND		56		50		02/08/01 19:59	TP	561943
trans-1,3-Dichloropropene	ND		56		50		02/08/01 19:59	TP	561943
Trichloroethene	ND		56		50		02/08/01 19:59	TP	561943
Vinyl chloride	ND		56		50		02/08/01 19:59	TP	561943
cis-1,2-Dichloroethene	ND		56		50		02/08/01 19:59	TP	561943
cis-1,3-Dichloropropene	ND		56		50		02/08/01 19:59	TP	561943
trans-1,2-Dichloroethene	ND		56		50		02/08/01 19:59	TP	561943
Xylenes,Total	ND		170		50		02/08/01 19:59	TP	561943
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/08/01 19:59	TP	561943
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/08/01 19:59	TP	561943
Surr: Toluene-d8	96.0	%	80-140		50		02/08/01 19:59	TP	561943

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 23 **Collected:** 2/2/01 11:16:00 **SPL Sample ID:** 01020104-09

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	12	0		1		02/03/01 13:00	KM	554317

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 23 **Collected:** 2/2/01 11:16:00 **SPL Sample ID:** 01020104-09

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	380		1		02/07/01 11:47	S_G	559421
1,2-Dichlorobenzene	ND	57		1		02/07/01 11:47	S_G	559421
1,3-Dichlorobenzene	ND	57		1		02/07/01 11:47	S_G	559421
1,4-Dichlorobenzene	ND	57		1		02/07/01 11:47	S_G	559421
2,4,5-Trichlorophenol	ND	1900		1		02/07/01 11:47	S_G	559421
2,4,6-Trichlorophenol	ND	380		1		02/07/01 11:47	S_G	559421
2,4-Dichlorophenol	ND	380		1		02/07/01 11:47	S_G	559421
2,4-Dimethylphenol	ND	380		1		02/07/01 11:47	S_G	559421
2,4-Dinitrophenol	ND	1900		1		02/07/01 11:47	S_G	559421
2,4-Dinitrotoluene	ND	380		1		02/07/01 11:47	S_G	559421
2,6-Dinitrotoluene	ND	380		1		02/07/01 11:47	S_G	559421
2-Chloronaphthalene	ND	380		1		02/07/01 11:47	S_G	559421
2-Chlorophenol	ND	380		1		02/07/01 11:47	S_G	559421
2-Methylnaphthalene	ND	380		1		02/07/01 11:47	S_G	559421
2-Nitroaniline	ND	1900		1		02/07/01 11:47	S_G	559421
2-Nitrophenol	ND	1900		1		02/07/01 11:47	S_G	559421
3,3'-Dichlorobenzidine	ND	2300		1		02/07/01 11:47	S_G	559421
3-Nitroaniline	ND	1900		1		02/07/01 11:47	S_G	559421
4,6-Dinitro-2-methylphenol	ND	1900		1		02/07/01 11:47	S_G	559421
4-Bromophenyl phenyl ether	ND	380		1		02/07/01 11:47	S_G	559421
4-Chloro-3-methylphenol	ND	1500		1		02/07/01 11:47	S_G	559421
4-Chloroaniline	ND	380		1		02/07/01 11:47	S_G	559421
4-Chlorophenyl phenyl ether	ND	380		1		02/07/01 11:47	S_G	559421
4-Nitroaniline	ND	1900		1		02/07/01 11:47	S_G	559421
4-Nitrophenol	ND	910		1		02/07/01 11:47	S_G	559421
Acenaphthene	ND	380		1		02/07/01 11:47	S_G	559421
Acenaphthylene	ND	380		1		02/07/01 11:47	S_G	559421
Anthracene	ND	380		1		02/07/01 11:47	S_G	559421
Benz(a)anthracene	ND	380		1		02/07/01 11:47	S_G	559421
Benzo(a)pyrene	ND	380		1		02/07/01 11:47	S_G	559421
Benzo(b)fluoranthene	ND	380		1		02/07/01 11:47	S_G	559421
Benzo(g,h,i)perylene	ND	380		1		02/07/01 11:47	S_G	559421
Benzo(k)fluoranthene	ND	380		1		02/07/01 11:47	S_G	559421
Bis(2-chloroethoxy)methane	ND	380		1		02/07/01 11:47	S_G	559421
Bis(2-chloroethyl)ether	ND	380		1		02/07/01 11:47	S_G	559421
Bis(2-chloroisopropyl)ether	ND	380		1		02/07/01 11:47	S_G	559421
Bis(2-ethylhexyl)phthalate	ND	380		1		02/07/01 11:47	S_G	559421
Butyl benzyl phthalate	ND	380		1		02/07/01 11:47	S_G	559421
Carbazole	ND	380		1		02/07/01 11:47	S_G	559421
Chrysene	ND	380		1		02/07/01 11:47	S_G	559421

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 23 **Collected:** 2/2/01 11:16:00 **SPL Sample ID:** 01020104-09

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/07/01 11:47	S_G	559421
Di-n-octyl phthalate	ND		380	1		02/07/01 11:47	S_G	559421
Dibenz(a,h)anthracene	ND		380	1		02/07/01 11:47	S_G	559421
Dibenzofuran	ND		380	1		02/07/01 11:47	S_G	559421
Diethyl phthalate	ND		380	1		02/07/01 11:47	S_G	559421
Dimethyl phthalate	ND		380	1		02/07/01 11:47	S_G	559421
Fluoranthene	ND		380	1		02/07/01 11:47	S_G	559421
Fluorene	ND		380	1		02/07/01 11:47	S_G	559421
Hexachlorobenzene	ND		380	1		02/07/01 11:47	S_G	559421
Hexachlorobutadiene	ND		380	1		02/07/01 11:47	S_G	559421
Hexachlorocyclopentadiene	ND		380	1		02/07/01 11:47	S_G	559421
Hexachloroethane	ND		110	1		02/07/01 11:47	S_G	559421
Indeno(1,2,3-cd)pyrene	ND		380	1		02/07/01 11:47	S_G	559421
Isophorone	ND		380	1		02/07/01 11:47	S_G	559421
N-Nitrosodi-n-propylamine	ND		380	1		02/07/01 11:47	S_G	559421
N-Nitrosodiphenylamine	ND		380	1		02/07/01 11:47	S_G	559421
Naphthalene	ND		380	1		02/07/01 11:47	S_G	559421
Nitrobenzene	ND		380	1		02/07/01 11:47	S_G	559421
Pentachlorophenol	ND		3900	1		02/07/01 11:47	S_G	559421
Phenanthrene	ND		380	1		02/07/01 11:47	S_G	559421
Phenol	ND		380	1		02/07/01 11:47	S_G	559421
Pyrene	ND		380	1		02/07/01 11:47	S_G	559421
2-Methylphenol	ND		380	1		02/07/01 11:47	S_G	559421
3 & 4-Methylphenol	ND		380	1		02/07/01 11:47	S_G	559421
Surr: 2,4,6-Tribromophenol	96.0	%	19-122	1		02/07/01 11:47	S_G	559421
Surr: 2-Fluorobiphenyl	88.2	%	30-115	1		02/07/01 11:47	S_G	559421
Surr: 2-Fluorophenol	80.0	%	25-121	1		02/07/01 11:47	S_G	559421
Surr: Nitrobenzene-d5	94.1	%	23-120	1		02/07/01 11:47	S_G	559421
Surr: Phenol-d5	76.0	%	24-113	1		02/07/01 11:47	S_G	559421
Surr: Terphenyl-d14	94.1	%	18-137	1		02/07/01 11:47	S_G	559421

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 23 | Collected: 2/2/01 11:16:00 | SPL Sample ID: 01020104-09

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			MCL	SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		57	50		02/07/01 22:11	TP	559966
1,1,2,2-Tetrachloroethane	ND		57	50		02/07/01 22:11	TP	559966
1,1,2-Trichloroethane	ND		57	50		02/07/01 22:11	TP	559966
1,1-Dichloroethane	ND		57	50		02/07/01 22:11	TP	559966
1,1-Dichloroethene	ND		57	50		02/07/01 22:11	TP	559966
1,2-Dichloroethane	ND		57	50		02/07/01 22:11	TP	559966
1,2-Dichloropropane	ND		57	50		02/07/01 22:11	TP	559966
2-Butanone	ND		2800	50		02/07/01 22:11	TP	559966
2-Hexanone	ND		2800	50		02/07/01 22:11	TP	559966
4-Methyl-2-pentanone	ND		2800	50		02/07/01 22:11	TP	559966
Acetone	ND		5700	50		02/07/01 22:11	TP	559966
Benzene	ND		57	50		02/07/01 22:11	TP	559966
Bromodichloromethane	ND		57	50		02/07/01 22:11	TP	559966
Bromoform	ND		57	50		02/07/01 22:11	TP	559966
Bromomethane	ND		57	50		02/07/01 22:11	TP	559966
Carbon disulfide	ND		280	50		02/07/01 22:11	TP	559966
Carbon tetrachloride	ND		57	50		02/07/01 22:11	TP	559966
Chlorobenzene	ND		57	50		02/07/01 22:11	TP	559966
Chloroethane	*ND*		*570*	*50*		*02/07/01 22:11*	TP	559966
Chloroform	ND		57	50		02/07/01 22:11	TP	559966
Chloromethane	ND		570	50		02/07/01 22:11	TP	559966
dibromochloromethane	ND		57	50		02/07/01 22:11	TP	559966
Ethylbenzene	ND		57	50		02/07/01 22:11	TP	559966
Methylene chloride	ND		280	50		02/07/01 22:11	TP	559966
Styrene	ND		57	50		02/07/01 22:11	TP	559966
Tetrachloroethene	220		57	50		02/07/01 22:11	TP	559966
Toluene	ND		57	50		02/07/01 22:11	TP	559966
trans-1,3-Dichloropropene	ND		57	50		02/07/01 22:11	TP	559966
Trichloroethene	140		57	50		02/07/01 22:11	TP	559966
Vinyl chloride	ND		57	50		02/07/01 22:11	TP	559966
cis-1,2-Dichloroethene	ND		57	50		02/07/01 22:11	TP	559966
cis-1,3-Dichloropropene	ND		57	50		02/07/01 22:11	TP	559966
trans-1,2-Dichloroethene	ND		57	50		02/07/01 22:11	TP	559966
Xylenes,Total	ND		170	50		02/07/01 22:11	TP	559966
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120	50		02/07/01 22:11	TP	559966
Surr: 4-Bromofluorobenzene	92.0	%	74-130	50		02/07/01 22:11	TP	559966
Surr: Toluene-d8	96.0	%	80-140	50		02/07/01 22:11	TP	559966

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 24 **Collected:** 2/2/01 12:00:00 **SPL Sample ID:** 01020104-10

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE				D2216		Units: wt%		
Percent Moisture	11	0		1		02/03/01 13:00	KM	554318

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 24 **Collected:** 2/2/01 12:00:00 **SPL Sample ID:** 01020104-10

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	370		1		02/06/01 19:17	S_G	558853
1,2-Dichlorobenzene	270	56		1		02/06/01 19:17	S_G	558853
1,3-Dichlorobenzene	ND	56		1		02/06/01 19:17	S_G	558853
1,4-Dichlorobenzene	ND	56		1		02/06/01 19:17	S_G	558853
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 19:17	S_G	558853
2,4,6-Trichlorophenol	ND	370		1		02/06/01 19:17	S_G	558853
2,4-Dichlorophenol	ND	370		1		02/06/01 19:17	S_G	558853
2,4-Dimethylphenol	ND	370		1		02/06/01 19:17	S_G	558853
2,4-Dinitrophenol	ND	1900		1		02/06/01 19:17	S_G	558853
2,4-Dinitrotoluene	ND	370		1		02/06/01 19:17	S_G	558853
2,6-Dinitrotoluene	ND	370		1		02/06/01 19:17	S_G	558853
2-Chloronaphthalene	ND	370		1		02/06/01 19:17	S_G	558853
2-Chlorophenol	ND	370		1		02/06/01 19:17	S_G	558853
2-Methylnaphthalene	ND	370		1		02/06/01 19:17	S_G	558853
2-Nitroaniline	ND	1900		1		02/06/01 19:17	S_G	558853
2-Nitrophenol	ND	1900		1		02/06/01 19:17	S_G	558853
3,3'-Dichlorobenzidine	ND	2200		1		02/06/01 19:17	S_G	558853
3-Nitroaniline	ND	1900		1		02/06/01 19:17	S_G	558853
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 19:17	S_G	558853
4-Bromophenyl phenyl ether	ND	370		1		02/06/01 19:17	S_G	558853
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 19:17	S_G	558853
4-Chloroaniline	ND	370		1		02/06/01 19:17	S_G	558853
4-Chlorophenyl phenyl ether	ND	370		1		02/06/01 19:17	S_G	558853
4-Nitroaniline	ND	1900		1		02/06/01 19:17	S_G	558853
4-Nitrophenol	ND	900		1		02/06/01 19:17	S_G	558853
Acenaphthene	ND	370		1		02/06/01 19:17	S_G	558853
Acenaphthylene	ND	370		1		02/06/01 19:17	S_G	558853
Anthracene	ND	370		1		02/06/01 19:17	S_G	558853
Benz(a)anthracene	ND	370		1		02/06/01 19:17	S_G	558853
Benzo(a)pyrene	ND	370		1		02/06/01 19:17	S_G	558853
Benzo(b)fluoranthene	ND	370		1		02/06/01 19:17	S_G	558853
Benzo(g,h,i)perylene	ND	370		1		02/06/01 19:17	S_G	558853
Benzo(k)fluoranthene	ND	370		1		02/06/01 19:17	S_G	558853
Bis(2-chloroethoxy)methane	ND	370		1		02/06/01 19:17	S_G	558853
Bis(2-chloroethyl)ether	ND	370		1		02/06/01 19:17	S_G	558853
Bis(2-chloroisopropyl)ether	ND	370		1		02/06/01 19:17	S_G	558853
Bis(2-ethylhexyl)phthalate	ND	370		1		02/06/01 19:17	S_G	558853
Butyl benzyl phthalate	ND	370		1		02/06/01 19:17	S_G	558853
Carbazole	ND	370		1		02/06/01 19:17	S_G	558853
Chrysene	ND	370		1		02/06/01 19:17	S_G	558853

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 24 **Collected:** 2/2/01 12:00:00 **SPL Sample ID:** 01020104-10

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/06/01 19:17	S_G	558853
Di-n-octyl phthalate	ND		370	1		02/06/01 19:17	S_G	558853
Dibenz(a,h)anthracene	ND		370	1		02/06/01 19:17	S_G	558853
Dibenzofuran	ND		370	1		02/06/01 19:17	S_G	558853
Diethyl phthalate	ND		370	1		02/06/01 19:17	S_G	558853
Dimethyl phthalate	ND		370	1		02/06/01 19:17	S_G	558853
Fluoranthene	ND		370	1		02/06/01 19:17	S_G	558853
Fluorene	ND		370	1		02/06/01 19:17	S_G	558853
Hexachlorobenzene	ND		370	1		02/06/01 19:17	S_G	558853
Hexachlorobutadiene	ND		370	1		02/06/01 19:17	S_G	558853
Hexachlorocyclopentadiene	ND		370	1		02/06/01 19:17	S_G	558853
Hexachloroethane	ND		110	1		02/06/01 19:17	S_G	558853
Indeno(1,2,3-cd)pyrene	ND		370	1		02/06/01 19:17	S_G	558853
Isophorone	ND		370	1		02/06/01 19:17	S_G	558853
N-Nitrosodi-n-propylamine	ND		370	1		02/06/01 19:17	S_G	558853
N-Nitrosodiphenylamine	ND		370	1		02/06/01 19:17	S_G	558853
Naphthalene	ND		370	1		02/06/01 19:17	S_G	558853
Nitrobenzene	ND		370	1		02/06/01 19:17	S_G	558853
Pentachlorophenol	ND		3800	1		02/06/01 19:17	S_G	558853
Phenanthrene	ND		370	1		02/06/01 19:17	S_G	558853
Phenol	ND		370	1		02/06/01 19:17	S_G	558853
Pyrene	ND		370	1		02/06/01 19:17	S_G	558853
2-Methylphenol	ND		370	1		02/06/01 19:17	S_G	558853
3 & 4-Methylphenol	ND		370	1		02/06/01 19:17	S_G	558853
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		02/06/01 19:17	S_G	558853
Surr: 2-Fluorobiphenyl	106	%	30-115	1		02/06/01 19:17	S_G	558853
Surr: 2-Fluorophenol	88.0	%	25-121	1		02/06/01 19:17	S_G	558853
Surr: Nitrobenzene-d5	88.2	%	23-120	1		02/06/01 19:17	S_G	558853
Surr: Phenol-d5	76.0	%	24-113	1		02/06/01 19:17	S_G	558853
Surr: Terphenyl-d14	112	%	18-137	1		02/06/01 19:17	S_G	558853

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 24 | Collected: 2/2/01 12:00:00 | SPL Sample ID: 01020104-10

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/08/01 9:03	TP	561906
1,1,2,2-Tetrachloroethane	ND		56		50		02/08/01 9:03	TP	561906
1,1,2-Trichloroethane	ND		56		50		02/08/01 9:03	TP	561906
1,1-Dichloroethane	ND		56		50		02/08/01 9:03	TP	561906
1,1-Dichloroethene	650		56		50		02/08/01 9:03	TP	561906
1,2-Dichloroethane	ND		56		50		02/08/01 9:03	TP	561906
1,2-Dichloropropane	ND		56		50		02/08/01 9:03	TP	561906
2-Butanone	ND		2800		50		02/08/01 9:03	TP	561906
2-Hexanone	ND		2800		50		02/08/01 9:03	TP	561906
4-Methyl-2-pentanone	ND		2800		50		02/08/01 9:03	TP	561906
Acetone	ND		5600		50		02/08/01 9:03	TP	561906
Benzene	ND		56		50		02/08/01 9:03	TP	561906
Bromodichloromethane	ND		56		50		02/08/01 9:03	TP	561906
Bromoform	ND		56		50		02/08/01 9:03	TP	561906
Bromomethane	ND		56		50		02/08/01 9:03	TP	561906
Carbon disulfide	ND		280		50		02/08/01 9:03	TP	561906
Carbon tetrachloride	ND		56		50		02/08/01 9:03	TP	561906
Chlorobenzene	ND		56		50		02/08/01 9:03	TP	561906
Chloroethane	ND		560		50		02/08/01 9:03	TP	561906
Chloroform	ND		56		50		02/08/01 9:03	TP	561906
Chloromethane	ND		560		50		02/08/01 9:03	TP	561906
dibromochloromethane	ND		56		50		02/08/01 9:03	TP	561906
Ethylbenzene	ND		56		50		02/08/01 9:03	TP	561906
Methylene chloride	ND		280		50		02/08/01 9:03	TP	561906
Styrene	ND		56		50		02/08/01 9:03	TP	561906
Tetrachloroethene	25000		2800		2500		02/08/01 21:43	TP	561948
Toluene	ND		56		50		02/08/01 9:03	TP	561906
trans-1,3-Dichloropropene	ND		56		50		02/08/01 9:03	TP	561906
Trichloroethene	63000		2800		2500		02/08/01 21:43	TP	561948
Vinyl chloride	ND		56		50		02/08/01 9:03	TP	561906
cis-1,2-Dichloroethene	1800		56		50		02/08/01 9:03	TP	561906
cis-1,3-Dichloropropene	ND		56		50		02/08/01 9:03	TP	561906
trans-1,2-Dichloroethene	380		56		50		02/08/01 9:03	TP	561906
Xylenes, Total	ND		170		50		02/08/01 9:03	TP	561906
Surr: 1,2-Dichloroethane-d4	72.0	%	70-120		50		02/08/01 9:03	TP	561906
Surr: 1,2-Dichloroethane-d4	76.8	%	70-120		2500		02/08/01 21:43	TP	561948
Surr: 4-Bromofluorobenzene	96.0	%	74-130		2500		02/08/01 21:43	TP	561948
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/08/01 9:03	TP	561906
Surr: Toluene-d8	96.0	%	80-140		2500		02/08/01 21:43	TP	561948
Surr: Toluene-d8	100	%	80-140		50		02/08/01 9:03	TP	561906

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 25 **Collected:** 2/2/01 2:40:00 P **SPL Sample ID:** 01020104-11

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	**Units: wt%**		
Percent Moisture	11.9	0		1		02/03/01 13:00	KM	554319

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 25 | Collected: 2/2/01 2:40:00 P | SPL Sample ID: 01020104-11

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	370		1		02/06/01 19:51	S_G	558854
1,2-Dichlorobenzene	1100	57		1		02/06/01 19:51	S_G	558854
1,3-Dichlorobenzene	ND	57		1		02/06/01 19:51	S_G	558854
1,4-Dichlorobenzene	ND	57		1		02/06/01 19:51	S_G	558854
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 19:51	S_G	558854
2,4,6-Trichlorophenol	ND	370		1		02/06/01 19:51	S_G	558854
2,4-Dichlorophenol	ND	370		1		02/06/01 19:51	S_G	558854
2,4-Dimethylphenol	ND	370		1		02/06/01 19:51	S_G	558854
2,4-Dinitrophenol	ND	1900		1		02/06/01 19:51	S_G	558854
2,4-Dinitrotoluene	ND	370		1		02/06/01 19:51	S_G	558854
2,6-Dinitrotoluene	ND	370		1		02/06/01 19:51	S_G	558854
2-Chloronaphthalene	ND	370		1		02/06/01 19:51	S_G	558854
2-Chlorophenol	ND	370		1		02/06/01 19:51	S_G	558854
2-Methylnaphthalene	ND	370		1		02/06/01 19:51	S_G	558854
2-Nitroaniline	ND	1900		1		02/06/01 19:51	S_G	558854
2-Nitrophenol	ND	1900		1		02/06/01 19:51	S_G	558854
3,3'-Dichlorobenzidine	ND	2300		1		02/06/01 19:51	S_G	558854
3-Nitroaniline	ND	1900		1		02/06/01 19:51	S_G	558854
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 19:51	S_G	558854
4-Bromophenyl phenyl ether	ND	370		1		02/06/01 19:51	S_G	558854
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 19:51	S_G	558854
4-Chloroaniline	ND	370		1		02/06/01 19:51	S_G	558854
4-Chlorophenyl phenyl ether	ND	370		1		02/06/01 19:51	S_G	558854
4-Nitroaniline	ND	1900		1		02/06/01 19:51	S_G	558854
4-Nitrophenol	ND	910		1		02/06/01 19:51	S_G	558854
Acenaphthene	ND	370		1		02/06/01 19:51	S_G	558854
Acenaphthylene	ND	370		1		02/06/01 19:51	S_G	558854
Anthracene	ND	370		1		02/06/01 19:51	S_G	558854
Benzo(a)anthracene	ND	370		1		02/06/01 19:51	S_G	558854
Benzo(a)pyrene	ND	370		1		02/06/01 19:51	S_G	558854
Benzo(b)fluoranthene	ND	370		1		02/06/01 19:51	S_G	558854
Benzo(g,h,i)perylene	ND	370		1		02/06/01 19:51	S_G	558854
Benzo(k)fluoranthene	ND	370		1		02/06/01 19:51	S_G	558854
Bis(2-chloroethoxy)methane	ND	370		1		02/06/01 19:51	S_G	558854
Bis(2-chloroethyl)ether	ND	370		1		02/06/01 19:51	S_G	558854
Bis(2-chloroisopropyl)ether	ND	370		1		02/06/01 19:51	S_G	558854
Bis(2-ethylhexyl)phthalate	ND	370		1		02/06/01 19:51	S_G	558854
Butyl benzyl phthalate	ND	370		1		02/06/01 19:51	S_G	558854
Carbazole	ND	370		1		02/06/01 19:51	S_G	558854
Chrysene	ND	370		1		02/06/01 19:51	S_G	558854

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
6880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 25 **Collected:** 2/2/01 2:40:00 P **SPL Sample ID:** 01020104-11

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/06/01 19:51	S_G	558854
Di-n-octyl phthalate	ND		370	1		02/06/01 19:51	S_G	558854
Dibenz(a,h)anthracene	ND		370	1		02/06/01 19:51	S_G	558854
Dibenzofuran	ND		370	1		02/06/01 19:51	S_G	558854
Diethyl phthalate	ND		370	1		02/06/01 19:51	S_G	558854
Dimethyl phthalate	ND		370	1		02/06/01 19:51	S_G	558854
Fluoranthene	ND		370	1		02/06/01 19:51	S_G	558854
Fluorene	ND		370	1		02/06/01 19:51	S_G	558854
Hexachlorobenzene	2600		1900	5		02/09/01 13:33	S_G	562117
Hexachlorobutadiene	5300		1900	5		02/09/01 13:33	S_G	562117
Hexachlorocyclopentadiene	ND		370	1		02/06/01 19:51	S_G	558854
Hexachloroethane	11000		570	5		02/09/01 13:33	S_G	562117
Indeno(1,2,3-cd)pyrene	ND		370	1		02/06/01 19:51	S_G	558854
Isophorone	ND		370	1		02/06/01 19:51	S_G	558854
N-Nitrosodi-n-propylamine	ND		370	1		02/06/01 19:51	S_G	558854
N-Nitrosodiphenylamine	ND		370	1		02/06/01 19:51	S_G	558854
Naphthalene	ND		370	1		02/06/01 19:51	S_G	558854
Nitrobenzene	ND		370	1		02/06/01 19:51	S_G	558854
Pentachlorophenol	ND		3900	1		02/06/01 19:51	S_G	558854
Phenanthrene	ND		370	1		02/06/01 19:51	S_G	558854
Phenol	ND		370	1		02/06/01 19:51	S_G	558854
Pyrene	ND		370	1		02/06/01 19:51	S_G	558854
2-Methylphenol	ND		370	1		02/06/01 19:51	S_G	558854
3 & 4-Methylphenol	ND		370	1		02/06/01 19:51	S_G	558854
Surr: 2,4,6-Tribromophenol	100	%	19-122	1		02/06/01 19:51	S_G	558854
Surr: 2,4,6-Tribromophenol	64.0	%	19-122	5		02/09/01 13:33	S_G	562117
Surr: 2-Fluorobiphenyl	94.1	%	30-115	1		02/06/01 19:51	S_G	558854
Surr: 2-Fluorobiphenyl	76.5	%	30-115	5		02/09/01 13:33	S_G	562117
Surr: 2-Fluorophenol	76.0	%	25-121	5		02/09/01 13:33	S_G	562117
Surr: 2-Fluorophenol	88.0	%	25-121	1		02/06/01 19:51	S_G	558854
Surr: Nitrobenzene-d5	82.4	%	23-120	5		02/09/01 13:33	S_G	562117
Surr: Nitrobenzene-d5	88.2	%	23-120	1		02/06/01 19:51	S_G	558854
Surr: Phenol-d5	72.0	%	24-113	5		02/09/01 13:33	S_G	562117
Surr: Phenol-d5	92.0	%	24-113	1		02/06/01 19:51	S_G	558854
Surr: Terphenyl-d14	82.4	%	18-137	5		02/09/01 13:33	S_G	562117
Surr: Terphenyl-d14	112	%	18-137	1		02/06/01 19:51	S_G	558854

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 25 **Collected:** 2/2/01 2:40:00 P **SPL Sample ID:** 01020104-11

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		57		50		02/08/01 10:23	TP	561909
1,1,2,2-Tetrachloroethane	18000		57		50		02/08/01 10:23	TP	561909
1,1,2-Trichloroethane	5200		57		50		02/08/01 10:23	TP	561909
1,1-Dichloroethane	ND		57		50		02/08/01 10:23	TP	561909
1,1-Dichloroethene	450		57		50		02/08/01 10:23	TP	561909
1,2-Dichloroethane	ND		57		50		02/08/01 10:23	TP	561909
1,2-Dichloropropane	ND		57		50		02/08/01 10:23	TP	561909
2-Butanone	ND		2800		50		02/08/01 10:23	TP	561909
2-Hexanone	ND		2800		50		02/08/01 10:23	TP	561909
4-Methyl-2-pentanone	ND		2800		50		02/08/01 10:23	TP	561909
Acetone	ND		5700		50		02/08/01 10:23	TP	561909
Benzene	ND		57		50		02/08/01 10:23	TP	561909
Bromodichloromethane	ND		57		50		02/08/01 10:23	TP	561909
Bromoform	ND		57		50		02/08/01 10:23	TP	561909
Bromomethane	ND		57		50		02/08/01 10:23	TP	561909
Carbon disulfide	ND		280		50		02/08/01 10:23	TP	561909
Carbon tetrachloride	ND		57		50		02/08/01 10:23	TP	561909
Chlorobenzene	1200		57		50		02/08/01 10:23	TP	561909
Chloroethane	ND		570		50		02/08/01 10:23	TP	561909
Chloroform	ND		57		50		02/08/01 10:23	TP	561909
Chloromethane	ND		570		50		02/08/01 10:23	TP	561909
dibromochloromethane	ND		57		50		02/08/01 10:23	TP	561909
Ethylbenzene	ND		57		50		02/08/01 10:23	TP	561909
Methylene chloride	ND		280		50		02/08/01 10:23	TP	561909
Styrene	ND		57		50		02/08/01 10:23	TP	561909
Tetrachloroethene	330000		5700		5000		02/08/01 22:09	TP	561951
Toluene	180		57		50		02/08/01 10:23	TP	561909
trans-1,3-Dichloropropene	ND		57		50		02/08/01 10:23	TP	561909
Trichloroethene	170000		5700		5000		02/08/01 22:09	TP	561951
Vinyl chloride	ND		57		50		02/08/01 10:23	TP	561909
cis-1,2-Dichloroethene	2000		57		50		02/08/01 10:23	TP	561909
cis-1,3-Dichloropropene	ND		57		50		02/08/01 10:23	TP	561909
trans-1,2-Dichloroethene	430		57		50		02/08/01 10:23	TP	561909
Xylenes,Total	ND		170		50		02/08/01 10:23	TP	561909
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		5000		02/08/01 22:09	TP	561951
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/08/01 10:23	TP	561909
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/08/01 10:23	TP	561909
Surr: 4-Bromofluorobenzene	92.0	%	74-130		5000		02/08/01 22:09	TP	561951
Surr: Toluene-d8	96.0	%	80-140		50		02/08/01 10:23	TP	561909
Surr: Toluene-d8	96.0	%	80-140		5000		02/08/01 22:09	TP	561951

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 26 **Collected:** 2/2/01 3:10:00 P **SPL Sample ID:** 01020104-12

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	9.5	0		1		02/03/01 13:00	KM	554320

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 26 | Collected: 2/2/01 3:10:00 P | SPL Sample ID: 01020104-12

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	360		1		02/06/01 20:25	S_G	558855
1,2-Dichlorobenzene	ND	55		1		02/06/01 20:25	S_G	558855
1,3-Dichlorobenzene	ND	55		1		02/06/01 20:25	S_G	558855
1,4-Dichlorobenzene	ND	55		1		02/06/01 20:25	S_G	558855
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 20:25	S_G	558855
2,4,6-Trichlorophenol	ND	360		1		02/06/01 20:25	S_G	558855
2,4-Dichlorophenol	ND	360		1		02/06/01 20:25	S_G	558855
2,4-Dimethylphenol	ND	360		1		02/06/01 20:25	S_G	558855
2,4-Dinitrophenol	ND	1900		1		02/06/01 20:25	S_G	558855
2,4-Dinitrotoluene	ND	360		1		02/06/01 20:25	S_G	558855
2,6-Dinitrotoluene	ND	360		1		02/06/01 20:25	S_G	558855
2-Chloronaphthalene	ND	360		1		02/06/01 20:25	S_G	558855
2-Chlorophenol	ND	360		1		02/06/01 20:25	S_G	558855
2-Methylnaphthalene	ND	360		1		02/06/01 20:25	S_G	558855
2-Nitroaniline	ND	1900		1		02/06/01 20:25	S_G	558855
2-Nitrophenol	ND	1900		1		02/06/01 20:25	S_G	558855
3,3-Dichlorobenzidine	ND	2200		1		02/06/01 20:25	S_G	558855
3-Nitroaniline	ND	1900		1		02/06/01 20:25	S_G	558855
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 20:25	S_G	558855
4-Bromophenyl phenyl ether	ND	360		1		02/06/01 20:25	S_G	558855
4-Chloro-3-methylphenol	ND	1400		1		02/06/01 20:25	S_G	558855
4-Chloroaniline	ND	360		1		02/06/01 20:25	S_G	558855
4-Chlorophenyl phenyl ether	ND	360		1		02/06/01 20:25	S_G	558855
4-Nitroaniline	ND	1900		1		02/06/01 20:25	S_G	558855
4-Nitrophenol	ND	880		1		02/06/01 20:25	S_G	558855
Acenaphthene	ND	360		1		02/06/01 20:25	S_G	558855
Acenaphthylene	ND	360		1		02/06/01 20:25	S_G	558855
Anthracene	ND	360		1		02/06/01 20:25	S_G	558855
Benz(a)anthracene	ND	360		1		02/06/01 20:25	S_G	558855
Benzo(a)pyrene	ND	360		1		02/06/01 20:25	S_G	558855
Benzo(b)fluoranthene	ND	360		1		02/06/01 20:25	S_G	558855
Benzo(g,h,i)perylene	ND	360		1		02/06/01 20:25	S_G	558855
Benzo(k)fluoranthene	ND	360		1		02/06/01 20:25	S_G	558855
Bis(2-chloroethoxy)methane	ND	360		1		02/06/01 20:25	S_G	558855
Bis(2-chloroethyl)ether	ND	360		1		02/06/01 20:25	S_G	558855
Bis(2-chloroisopropyl)ether	ND	360		1		02/06/01 20:25	S_G	558855
Bis(2-ethylhexyl)phthalate	ND	360		1		02/06/01 20:25	S_G	558855
Butyl benzyl phthalate	ND	360		1		02/06/01 20:25	S_G	558855
Carbazole	ND	360		1		02/06/01 20:25	S_G	558855
Chrysene	ND	360		1		02/06/01 20:25	S_G	558855

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020201-LP 26 **Collected:** 2/2/01 3:10:00 P **SPL Sample ID:** 01020104-12

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		360	1		02/06/01 20:25	S_G	558855
Di-n-octyl phthalate	ND		360	1		02/06/01 20:25	S_G	558855
Dibenz(a,h)anthracene	ND		360	1		02/06/01 20:25	S_G	558855
Dibenzofuran	ND		360	1		02/06/01 20:25	S_G	558855
Diethyl phthalate	ND		360	1		02/06/01 20:25	S_G	558855
Dimethyl phthalate	ND		360	1		02/06/01 20:25	S_G	558855
Fluoranthene	ND		360	1		02/06/01 20:25	S_G	558855
Fluorene	ND		360	1		02/06/01 20:25	S_G	558855
Hexachlorobenzene	ND		360	1		02/06/01 20:25	S_G	558855
Hexachlorobutadiene	ND		360	1		02/06/01 20:25	S_G	558855
Hexachlorocyclopentadiene	ND		360	1		02/06/01 20:25	S_G	558855
Hexachloroethane	ND		110	1		02/06/01 20:25	S_G	558855
Indeno(1,2,3-cd)pyrene	ND		360	1		02/06/01 20:25	S_G	558855
Isophorone	ND		360	1		02/06/01 20:25	S_G	558855
N-Nitrosodi-n-propylamine	ND		360	1		02/06/01 20:25	S_G	558855
N-Nitrosodiphenylamine	ND		360	1		02/06/01 20:25	S_G	558855
Naphthalene	ND		360	1		02/06/01 20:25	S_G	558855
Nitrobenzene	ND		360	1		02/06/01 20:25	S_G	558855
Pentachlorophenol	ND		3800	1		02/06/01 20:25	S_G	558855
Phenanthrene	ND		360	1		02/06/01 20:25	S_G	558855
Phenol	ND		360	1		02/06/01 20:25	S_G	558855
Pyrene	ND		360	1		02/06/01 20:25	S_G	558855
2-Methylphenol	ND		360	1		02/06/01 20:25	S_G	558855
3 & 4-Methylphenol	ND		360	1		02/06/01 20:25	S_G	558855
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		02/06/01 20:25	S_G	558855
Surr: 2-Fluorobiphenyl	88.2	%	30-115	1		02/06/01 20:25	S_G	558855
Surr: 2-Fluorophenol	76.0	%	25-121	1		02/06/01 20:25	S_G	558855
Surr: Nitrobenzene-d5	70.6	%	23-120	1		02/06/01 20:25	S_G	558855
Surr: Phenol-d5	76.0	%	24-113	1		02/06/01 20:25	S_G	558855
Surr: Terphenyl-d14	100	%	18-137	1		02/06/01 20:25	S_G	558855

Prep Method	Prep Date	Prep Initials
SW3550B	02/05/2001 10:12	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID S-11676-020201-LP 26 **Collected:** 2/2/01 3:10:00 P **SPL Sample ID:** 01020104-12

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		55		50		02/08/01 10:50	TP	561910
1,1,2,2-Tetrachloroethane	ND		55		50		02/08/01 10:50	TP	561910
1,1,2-Trichloroethane	ND		55		50		02/08/01 10:50	TP	561910
1,1-Dichloroethane	ND		55		50		02/08/01 10:50	TP	561910
1,1-Dichloroethene	510		55		50		02/08/01 10:50	TP	561910
1,2-Dichloroethane	ND		55		50		02/08/01 10:50	TP	561910
1,2-Dichloropropane	ND		55		50		02/08/01 10:50	TP	561910
2-Butanone	ND		2800		50		02/08/01 10:50	TP	561910
2-Hexanone	ND		2800		50		02/08/01 10:50	TP	561910
4-Methyl-2-pentanone	ND		2800		50		02/08/01 10:50	TP	561910
Acetone	ND		5500		50		02/08/01 10:50	TP	561910
Benzene	ND		55		50		02/08/01 10:50	TP	561910
Bromodichloromethane	ND		55		50		02/08/01 10:50	TP	561910
Bromoform	ND		55		50		02/08/01 10:50	TP	561910
Bromomethane	ND		55		50		02/08/01 10:50	TP	561910
Carbon disulfide	ND		280		50		02/08/01 10:50	TP	561910
Carbon tetrachloride	ND		55		50		02/08/01 10:50	TP	561910
Chlorobenzene	190		55		50		02/08/01 10:50	TP	561910
Chloroethane	ND		550		50		02/08/01 10:50	TP	561910
Chloroform	ND		55		50		02/08/01 10:50	TP	561910
Chloromethane	ND		550		50		02/08/01 10:50	TP	561910
dibromochloromethane	ND		55		50		02/08/01 10:50	TP	561910
Ethylbenzene	ND		55		50		02/08/01 10:50	TP	561910
Methylene chloride	ND		280		50		02/08/01 10:50	TP	561910
Styrene	ND		55		50		02/08/01 10:50	TP	561910
Tetrachloroethene	49000		2800		2500		02/08/01 22:35	TP	561953
Toluene	ND		55		50		02/08/01 10:50	TP	561910
trans-1,3-Dichloropropene	ND		55		50		02/08/01 10:50	TP	561910
Trichloroethene	100000		2800		2500		02/08/01 22:35	TP	561953
Vinyl chloride	ND		55		50		02/08/01 10:50	TP	561910
cis-1,2-Dichloroethene	1300		55		50		02/08/01 10:50	TP	561910
cis-1,3-Dichloropropene	ND		55		50		02/08/01 10:50	TP	561910
trans-1,2-Dichloroethene	320		55		50		02/08/01 10:50	TP	561910
Xylenes,Total	ND		170		50		02/08/01 10:50	TP	561910
Surr: 1,2-Dichloroethane-d4	79.2	%	70-120		2500		02/08/01 22:35	TP	561953
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/08/01 10:50	TP	561910
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/08/01 10:50	TP	561910
Surr: 4-Bromofluorobenzene	96.0	%	74-130		2500		02/08/01 22:35	TP	561953
Surr: Toluene-d8	96.0	%	80-140		2500		02/08/01 22:35	TP	561953
Surr: Toluene-d8	96.0	%	80-140		50		02/08/01 10:50	TP	561910

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020104
Method: SW8270C **Lab Batch ID:** 10098

Method Blank

RunID: H_010206A-558861 Units: ug/Kg
Analysis Date: 02/06/2001 12:57 Analyst: S_G
Preparation Date: 02/05/2001 10:12 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020104-01B	S-11676-020201-DM 100
01020104-02B	S-11676-020201-DM 101
01020104-03B	S-11676-020201-DM 102
01020104-04B	S-11676-020201-DM 103
01020104-05B	S-11676-020201-DM 104
01020104-06B	S-11676-020201-LP 20
01020104-07B	S-11676-020201-LP 21
01020104-08B	S-11676-020201-LP 22
01020104-09B	S-11676-020201-LP 23
01020104-10B	S-11676-020201-LP 24
01020104-11B	S-11676-020201-LP 25
01020104-12B	S-11676-020201-LP 26

ers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
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The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020104
Method: SW8270C **Lab Batch ID:** 10098

Method Blank

RunID: H_010206A-558861 Units: ug/Kg
Analysis Date: 02/06/2001 12:57 Analyst: S_G
Preparation Date: 02/05/2001 10:12 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	100.0	19-122
Surr: 2-Fluorobiphenyl	88.2	30-115
Surr: 2-Fluorophenol	76.0	25-121
Surr: Nitrobenzene-d5	70.6	23-120
Surr: Phenol-d5	68.0	24-113
Surr: Terphenyl-d14	100.0	18-137

Laboratory Control Sample (LCS)

RunID: H_010206A-558862 Units: ug/Kg
Analysis Date: 02/06/2001 13:29 Analyst: S_G
Preparation Date: 02/05/2001 10:12 Prep By: J_L Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1700	100	39	110
1,4-Dichlorobenzene	1700	1500	88	36	110
2,4-Dinitrotoluene	1700	1600	94	50	150
2-Chlorophenol	2500	2200	88	27	123
4-Chloro-3-methylphenol	2500	2500	100	23	110
4-Nitrophenol	2500	2100	84	25	150
Acenaphthene	1700	1600	94	46	125
N-Nitrosodi-n-propylamine	1700	1300	76	41	116
Pentachlorophenol	2500	2500	100	9	125
Phenol	2500	1800	72	12	110
Pyrene	1700	2000	118	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020104
Method: SW8270C **Lab Batch ID:** 10098

Sample Spiked: 01020104-12
RunID: J_010206A-558856 Units: ug/Kg-dry
Analysis Date: 02/06/2001 21:00 Analyst: S_G
Preparation Date: 02/05/2001 10:12 Prep By: J_L Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1880	1700	88	1880	1500	82	7	28	39	110
1,4-Dichlorobenzene	ND	1880	1700	88	1880	1500	82	7	28	36	110
2,4-Dinitrotoluene	ND	1880	2000	106	1880	2000	106	0	50	50	150
2-Chlorophenol	ND	2760	2700	96	2760	2500	92	4	40	27	123
4-Chloro-3-methylphenol	ND	2760	3100	112 *	2760	2900	104	7	42	23	110
4-Nitrophenol	ND	2760	6400	232 *	2760	7400	268 *	14	50	25	150
Acenaphthene	ND	1880	1800	94	1880	1900	100	6	31	46	125
N-Nitrosodi-n-propylamine	ND	1880	2000	106	1880	2000	106	0	38	41	116
Pentachlorophenol	ND	2760	1800	64	2760	1400	52	21	50	9	125
Phenol	ND	2760	2300	84	2760	2200	80	5	42	12	110
Pyrene	ND	1880	2500	135 *	1880	2300	124	9	31	26	127

ers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020104
Method: SW8260B **Lab Batch ID:** R29200

Method Blank

RunID: K_010207A-558973 Units: ug/Kg
Analysis Date: 02/07/2001 12:00 Analyst: TP

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	76.8	70-120
Surr: 4-Bromofluorobenzene	94.4	74-130
Surr: Toluene-d8	100.8	80-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020104-01A	S-11676-020201-DM 100
01020104-02A	S-11676-020201-DM 101
01020104-04A	S-11676-020201-DM 103
01020104-05A	S-11676-020201-DM 104
01020104-06A	S-11676-020201-LP 20
01020104-07A	S-11676-020201-LP 21
01020104-09A	S-11676-020201-LP 23

Laboratory Control Sample (LCS)

RunID: K_010207A-558972 Units: ug/L
Analysis Date: 02/07/2001 11:34 Analyst: TP

Analyte	*Spike Added*	*Result*	*Percent Recovery*	*Lower Limit*	*Upper Limit*
1,1-Dichloroethene	50	60	120	61	145

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020104
Method: SW8260B **Lab Batch ID:** R29200

Laboratory Control Sample (LCS)

RunID: K_010207A-558972 Units: ug/L
Analysis Date: 02/07/2001 11:34 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	53	106	76	127
Chlorobenzene	50	50	100	75	130
Toluene	50	53	106	76	125
Trichloroethene	50	53	106	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01020004-03
RunID: K_010207A-559944 Units: ug/Kg-dry
Analysis Date: 02/07/2001 15:37 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	27900	32000	110	27900	31000	106	4	22	59	172
Benzene	ND	27900	28000	100	27900	29000	104	4	21	66	142
Chlorobenzene	ND	27900	26000	92	27900	27000	96	4	21	60	133
Toluene	ND	27900	27000	96	27900	28000	100	4	21	59	139
Trichloroethene	31000	27900	57000	92	27900	57000	92	0	24	62	137

iers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020104
Method: SW8260B **Lab Batch ID:** R29327

Method Blank

RunID: K_010207C-561905 Units: ug/Kg
Analysis Date: 02/08/2001 1:35 Analyst: TP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020104-10A	S-11676-020201-LP 24
01020104-11A	S-11676-020201-LP 25
01020104-12A	S-11676-020201-LP 26

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	76.0	70-120
Surr: 4-Bromofluorobenzene	92.0	74-130
Surr: Toluene-d8	96.0	80-140

Laboratory Control Sample (LCS)

RunID: K_010207C-565621 Units: ug/L
Analysis Date: 02/08/2001 0:43 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	60	120	61	145
Benzene	50	54	108	76	127
Chlorobenzene	50	53	106	75	130

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: *Volatile Organics by Method 8260B* **WorkOrder:** 01020104
Method: SW8260B **Lab Batch ID:** R29327

Laboratory Control Sample (LCS)

RunID: K_010207C-565621 Units: ug/L
Analysis Date: 02/08/2001 0:43 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Toluene	50	56	112	76	125
Trichloroethene	50	56	112	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01020104-10
RunID: K_010207C-561907 Units: ug/Kg-dry
Analysis Date: 02/08/2001 9:30 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1 ...loroethene	ND	2810	3400	120	2810	3900	140	15	22	59	172
Benzene	ND	2810	2500	88	2810	2900	104	17	21	66	142
Chlorobenzene	ND	2810	2500	88	2810	2900	104	17	21	60	133
Toluene	ND	2810	2600	92	2810	3000	108	16	21	59	139
Trichloroethene	63000	2810	250000	6560 *	2810	260000	6960 *	6	24	62	137

iers: *ND/U - Not Detected at the Reporting Limit* *MI - Matrix Interference*
E - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percen recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 01020104
Lab Batch ID: R29330

Method Blank

RunID: K_010208A-561939 Units: ug/Kg
Analysis Date: 02/08/2001 15:16 Analyst: TP

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	76.0	70-120
Surr: 4-Bromofluorobenzene	96.0	74-130
Surr: Toluene-d8	96.0	80-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020104-02A	S-11676-020201-DM 101
01020104-03A	S-11676-020201-DM 102
01020104-06A	S-11676-020201-LP 20
01020104-07A	S-11676-020201-LP 21
01020104-08A	S-11676-020201-LP 22
01020104-10A	S-11676-020201-LP 24
01020104-11A	S-11676-020201-LP 25
01020104-12A	S-11676-020201-LP 26

Laboratory Control Sample (LCS)

RunID: K_010208A-561938 Units: ug/L
Analysis Date: 02/08/2001 14:50 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	64	128	61	145

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020104
Method: SW8260B **Lab Batch ID:** R29330

Laboratory Control Sample (LCS)

RunID: K_010208A-561938 Units: ug/L
Analysis Date: 02/08/2001 14:50 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	53	106	76	127
Chlorobenzene	50	50	100	75	130
Toluene	50	52	104	76	125
Trichloroethene	50	55	110	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01020104-03
RunID: K_010208A-561941 Units: ug/Kg-dry
Analysis Date: 02/08/2001 19:08 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2870	3400	120	2870	3400	120	0	22	59	172
Benzene	ND	2870	3100	108	2870	3100	108	0	21	66	142
Chlorobenzene	ND	2870	3000	104	2870	3000	104	0	21	60	133
Toluene	ND	2870	3100	108	2870	3100	108	0	21	59	139
Trichloroethene	ND	2870	3100	108	2870	3100	108	0	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit; MI - Matrix Interference
B - Analyte detected in the associated Method Blank; D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL; * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis:	**PERCENT MOISTURE**	**WorkOrder:**	**01020104**
Method:	**D2216**	**Lab Batch ID:**	**R28969**

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
01020104-01B	S-11676-020201-DM 100

Sample Duplicate

Original Sample:	01020103-01		
RunID:	WET_010203D-554298	Units:	wt%
Analysis Date:	02/03/2001 13:00	Analyst:	KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	26.5	27.1	2	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: PERCENT MOISTURE
Method: D2216

WorkOrder: 01020104
Lab Batch ID: R28969A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020104-02B	S-11676-020201-DM 101
01020104-03B	S-11676-020201-DM 102
01020104-04B	S-11676-020201-DM 103
01020104-05B	S-11676-020201-DM 104
01020104-06B	S-11676-020201-LP 20
01020104-07B	S-11676-020201-LP 21
01020104-08B	S-11676-020201-LP 22
01020104-09B	S-11676-020201-LP 23
01020104-10B	S-11676-020201-LP 24
01020104-11B	S-11676-020201-LP 25

Sample Duplicate

Original Sample: 01020104-02
RunID: WET_010203D-554309 Units: wt%
Analysis Date: 02/03/2001 13:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	8.8	9.7	10	20

ers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
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HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: PERCENT MOISTURE
Method: D2216
WorkOrder: 01020104
Lab Batch ID: R28969B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020104-12B	S-11676-020201-LP 26

Sample Duplicate

Original Sample: 01020104-12
RunID: WET_010203D-554320 Units: wt%
Analysis Date: 02/03/2001 13:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	9.5	9.5	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01020104	Received by:	Estrada, Ruben
Date and Time Received:	2/3/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	3		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
ntainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
ater - VOA vials have zero headspace?	Yes ☐	No ☐	Not Present ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

CHAIN OF CUSTODY RECORD 01020104

CRA
CONESTOGA-ROVERS & ASSOCIATES
651 Colby Drive
Waterloo, Ont. N2V 1C2 (519)884-0510

SHIPPED TO (Laboratory Name): SPL - Houston

REFERENCE NUMBER: 11676-10

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: DAVID A GRAY

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: TCL VOC	PARAMETERS: TCL SVOC	REMARKS
	02/02/01	10:45	S-11676-020201-DM100	Soil	4	X	X	" 24 Hour Turn Around
	02/02/01	11:45	S-11676-020201-DM101	Soil	4	X	X	" "
	02/02/01	13:45	S-11676-020201-DM102	Soil	4	X	X	" "
	02/02/01	14:50	S-11676-020201-DM103	Soil	4	X	X	" "
	02/02/01	16:10	S-11676-020201-DM104	Soil	4	X	X	" "
	02/02/01	9:00	S-11676-020201-LP20	Soil	4	X	X	" "
	02/02/01	10:05	S-11676-020201-LP21	Soil	4	X	X	" "
	02/02/01	11:05	S-11676-020201-LP22	Soil	4	X	X	" "
	02/02/01	11:16	S-11676-020201-LP23	Soil	4	X	X	" "
	02/02/01	12:00	S-11676-020201-LP24	Soil	4	X	X	" "
	02/02/01	14:40	S-11676-020201-LP25	Soil	4	X	X	" "
	02/02/01	15:10	S-11676-020201-LP26	Soil	4	X	X	" "

TOTAL NUMBER OF CONTAINERS: 48 HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① [signature]	DATE: 02/02/01 TIME: 18:00	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: WAY BILL No. 3c

White –Fully Executed Copy
Yellow –Receiving Laboratory Copy
Pink –Shipper Copy
Goldenrc –Sampler Copy

SAMPLE TEAM: PAQUETTE, MAPP. GRAY.

RECEIVED FOR LABORATORY BY: [signature] DATE: 2/3/01 TIME: 1000

No 16298

1001 JULY 19/93 RE... (F-42)

11676-10
SMF
26Feb01

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020052

Report To		
Conestoga-Rovers & Associates	Project Name:	#11676-10
Paul Wiseman	Site:	#11676-10
11100 Metro Airport Center Drive	Site Address:	
Suite 160		
Romulus	PO Number:	40-013971-0
MI	State:	Michigan
48174-	State Cert. No.:	
ph: (734) 942-0909 fax: (734) 942-3080	Date Reported:	2/15/01

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "S-11676-020101-DG 17" (SPL ID:01020052-08) was randomly selected for use in SPL's quality control program for the Semivolatile Organics analysis by SW846 Method SW8260. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for 4-Nitrophenol (Batch ID:10060) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Your sample ID "S-11676-020101-DG 17" (SPL ID:01020052-08) was randomly selected for use in SPL's quality control program for the Volatile Organics analysis by SW846 Method SW8260. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Trichloroethene (Batch ID:R29357 and R29366) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above *Certificate of Analysis Number.*

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

SDG:7

Sonia West
West, Sonia
Senior Project Manager

ORIGINAL ANALYTICAL REPORT
Project#: 11676-10 Lab#: 01020052
Name: Fields Brook
Description
Event: DNAPL
Samples: 10 Soil (2/1/01)
Analysis: VOC, SVOC
TAT: 72 hr not met
Lab: SPL
Checked Against Preliminary Data:
Date: 2/16/01 Init.: KMF
Date of Validation Memo:
Invoice Approval Date:
Comments:

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01020052

Report To: Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Fax To: Conestoga-Rovers & Associates
Jeff Daniels fax : (519) 884-0525
Conestoga-Rovers & Associates
Paul Wiseman fax : (734) 942-3080

Project Name: #11676-10
Site: #11676-10
Site Address:
PO Number: 40-013971-0
State: Michigan
State Cert. No.:
Date Reported: 2/15/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-020-01-DG 10	01020052-01	Soil	2/1/01 9:50:00 AM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 11	01020052-02	Soil	2/1/01 9:51:00 AM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 12	01020052-03	Soil	2/1/01 10:30:00 AM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 13	01020052-04	Soil	2/1/01 10:45:00 AM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 14	01020052-05	Soil	2/1/01 11:30:00 AM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 15	01020052-06	Soil	2/1/01 12:30:00 PM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 16	01020052-07	Soil	2/1/01 3:00:00 PM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 17	01020052-08	Soil	2/1/01 3:30:00 PM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 18	01020052-09	Soil	2/1/01 2:00:00 PM	2/2/01 10:00:00 AM	16392	☐
S-11676-020-01-DG 19	01020052-10	Soil	2/1/01 2:30:00 PM	2/2/01 10:00:00 AM	16392	☐

Anna West
West, Sonia
Senior Project Manager

2/15/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 10 **Collected:** 2/1/01 9:50:00 A **SPL Sample ID:** 01020052-01

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	Units: wt%		
Percent Moisture	10.3	0		1		02/02/01 12:00	KM	553893

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - *Surrogate Recovery Outside Advisable QC Limits*
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
6880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 10 | Collected: 2/1/01 9:50:00 A | SPL Sample ID: 01020052-01

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		02/05/01 20:46	S_G	557270
1,2-Dichlorobenzene	ND	56		1		02/05/01 20:46	S_G	557270
1,3-Dichlorobenzene	ND	56		1		02/05/01 20:46	S_G	557270
1,4-Dichlorobenzene	ND	56		1		02/05/01 20:46	S_G	557270
2,4,5-Trichlorophenol	ND	1900		1		02/05/01 20:46	S_G	557270
2,4,6-Trichlorophenol	ND	370		1		02/05/01 20:46	S_G	557270
2,4-Dichlorophenol	ND	370		1		02/05/01 20:46	S_G	557270
2,4-Dimethylphenol	ND	370		1		02/05/01 20:46	S_G	557270
2,4-Dinitrophenol	ND	1900		1		02/05/01 20:46	S_G	557270
2,4-Dinitrotoluene	ND	370		1		02/05/01 20:46	S_G	557270
2,6-Dinitrotoluene	ND	370		1		02/05/01 20:46	S_G	557270
2-Chloronaphthalene	ND	370		1		02/05/01 20:46	S_G	557270
2-Chlorophenol	ND	370		1		02/05/01 20:46	S_G	557270
2-Methylnaphthalene	ND	370		1		02/05/01 20:46	S_G	557270
2-Nitroaniline	ND	1900		1		02/05/01 20:46	S_G	557270
2-Nitrophenol	ND	1900		1		02/05/01 20:46	S_G	557270
3,3'-Dichlorobenzidine	ND	2200		1		02/05/01 20:46	S_G	557270
3-Nitroaniline	ND	1900		1		02/05/01 20:46	S_G	557270
4,6-Dinitro-2-methylphenol	ND	1900		1		02/05/01 20:46	S_G	557270
4-Bromophenyl phenyl ether	ND	370		1		02/05/01 20:46	S_G	557270
4-Chloro-3-methylphenol	ND	1400		1		02/05/01 20:46	S_G	557270
4-Chloroaniline	ND	370		1		02/05/01 20:46	S_G	557270
4-Chlorophenyl phenyl ether	ND	370		1		02/05/01 20:46	S_G	557270
4-Nitroaniline	ND	1900		1		02/05/01 20:46	S_G	557270
4-Nitrophenol	ND	890		1		02/05/01 20:46	S_G	557270
Acenaphthene	ND	370		1		02/05/01 20:46	S_G	557270
Acenaphthylene	ND	370		1		02/05/01 20:46	S_G	557270
Anthracene	ND	370		1		02/05/01 20:46	S_G	557270
Benzo(a)anthracene	ND	370		1		02/05/01 20:46	S_G	557270
Benzo(a)pyrene	ND	370		1		02/05/01 20:46	S_G	557270
Benzo(b)fluoranthene	ND	370		1		02/05/01 20:46	S_G	557270
Benzo(g,h,i)perylene	ND	370		1		02/05/01 20:46	S_G	557270
Benzo(k)fluoranthene	ND	370		1		02/05/01 20:46	S_G	557270
Bis(2-chloroethoxy)methane	ND	370		1		02/05/01 20:46	S_G	557270
Bis(2-chloroethyl)ether	ND	370		1		02/05/01 20:46	S_G	557270
Bis(2-chloroisopropyl)ether	ND	370		1		02/05/01 20:46	S_G	557270
Bis(2-ethylhexyl)phthalate	ND	370		1		02/05/01 20:46	S_G	557270
Butyl benzyl phthalate	ND	370		1		02/05/01 20:46	S_G	557270
Carbazole	ND	370		1		02/05/01 20:46	S_G	557270
Chrysene	ND	370		1		02/05/01 20:46	S_G	557270

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
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HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 10 **Collected:** 2/1/01 9:50:00 A **SPL Sample ID:** 01020052-01

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/05/01 20:46	S_G	557270
Di-n-octyl phthalate	ND		370	1		02/05/01 20:46	S_G	557270
Dibenz(a,h)anthracene	ND		370	1		02/05/01 20:46	S_G	557270
Dibenzofuran	ND		370	1		02/05/01 20:46	S_G	557270
Diethyl phthalate	ND		370	1		02/05/01 20:46	S_G	557270
Dimethyl phthalate	ND		370	1		02/05/01 20:46	S_G	557270
Fluoranthene	ND		370	1		02/05/01 20:46	S_G	557270
Fluorene	ND		370	1		02/05/01 20:46	S_G	557270
Hexachlorobenzene	ND		370	1		02/05/01 20:46	S_G	557270
Hexachlorobutadiene	ND		370	1		02/05/01 20:46	S_G	557270
Hexachlorocyclopentadiene	ND		370	1		02/05/01 20:46	S_G	557270
Hexachloroethane	ND		110	1		02/05/01 20:46	S_G	557270
Indeno(1,2,3-cd)pyrene	ND		370	1		02/05/01 20:46	S_G	557270
Isophorone	ND		370	1		02/05/01 20:46	S_G	557270
N-Nitrosodi-n-propylamine	ND		370	1		02/05/01 20:46	S_G	557270
N-Nitrosodiphenylamine	ND		370	1		02/05/01 20:46	S_G	557270
Naphthalene	ND		370	1		02/05/01 20:46	S_G	557270
Nitrobenzene	ND		370	1		02/05/01 20:46	S_G	557270
Pentachlorophenol	ND		3800	1		02/05/01 20:46	S_G	557270
Phenanthrene	ND		370	1		02/05/01 20:46	S_G	557270
Phenol	ND		370	1		02/05/01 20:46	S_G	557270
Pyrene	ND		370	1		02/05/01 20:46	S_G	557270
2-Methylphenol	ND		370	1		02/05/01 20:46	S_G	557270
3 & 4-Methylphenol	ND		370	1		02/05/01 20:46	S_G	557270
Surr: 2,4,6-Tribromophenol	92.0	%	19-122	1		02/05/01 20:46	S_G	557270
Surr: 2-Fluorobiphenyl	106	%	30-115	1		02/05/01 20:46	S_G	557270
Surr: 2-Fluorophenol	84.0	%	25-121	1		02/05/01 20:46	S_G	557270
Surr: Nitrobenzene-d5	100	%	23-120	1		02/05/01 20:46	S_G	557270
Surr: Phenol-d5	88.0	%	24-113	1		02/05/01 20:46	S_G	557270
Surr: Terphenyl-d14	112	%	18-137	1		02/05/01 20:46	S_G	557270

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 10 | Collected: 2/1/01 9:50:00 A | SPL Sample ID: 01020052-01

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/08/01 11:16	TP	561911
1,1,2,2-Tetrachloroethane	ND		56		50		02/08/01 11:16	TP	561911
1,1,2-Trichloroethane	ND		56		50		02/08/01 11:16	TP	561911
1,1-Dichloroethane	ND		56		50		02/08/01 11:16	TP	561911
1,1-Dichloroethene	1100		56		50		02/08/01 11:16	TP	561911
1,2-Dichloroethane	ND		56		50		02/08/01 11:16	TP	561911
1,2-Dichloropropane	ND		56		50		02/08/01 11:16	TP	561911
2-Butanone	ND		2800		50		02/08/01 11:16	TP	561911
2-Hexanone	ND		2800		50		02/08/01 11:16	TP	561911
4-Methyl-2-pentanone	ND		2800		50		02/08/01 11:16	TP	561911
Acetone	ND		5600		50		02/08/01 11:16	TP	561911
Benzene	ND		56		50		02/08/01 11:16	TP	561911
Bromodichloromethane	ND		56		50		02/08/01 11:16	TP	561911
Bromoform	ND		56		50		02/08/01 11:16	TP	561911
Bromomethane	ND		56		50		02/08/01 11:16	TP	561911
Carbon disulfide	ND		280		50		02/08/01 11:16	TP	561911
Carbon tetrachloride	ND		56		50		02/08/01 11:16	TP	561911
Chlorobenzene	ND		56		50		02/08/01 11:16	TP	561911
Chloroethane	ND		560		50		02/08/01 11:16	TP	561911
Chloroform	ND		56		50		02/08/01 11:16	TP	561911
Chloromethane	ND		560		50		02/08/01 11:16	TP	561911
dibromochloromethane	ND		56		50		02/08/01 11:16	TP	561911
Ethylbenzene	ND		56		50		02/08/01 11:16	TP	561911
Methylene chloride	ND		280		50		02/08/01 11:16	TP	561911
Styrene	ND		56		50		02/08/01 11:16	TP	561911
Tetrachloroethene	67000		2800		2500		02/09/01 4:33	TP	562408
Toluene	ND		56		50		02/08/01 11:16	TP	561911
trans-1,3-Dichloropropene	ND		56		50		02/08/01 11:16	TP	561911
Trichloroethene	210000		2800		2500		02/09/01 4:33	TP	562408
Vinyl chloride	310		56		50		02/08/01 11:16	TP	561911
cis-1,2-Dichloroethene	1400		56		50		02/08/01 11:16	TP	561911
cis-1,3-Dichloropropene	ND		56		50		02/08/01 11:16	TP	561911
trans-1,2-Dichloroethene	330		56		50		02/08/01 11:16	TP	561911
Xylenes,Total	ND		170		50		02/08/01 11:16	TP	561911
Surr: 1,2-Dichloroethane-d4	75.2	%	70-120		2500		02/09/01 4:33	TP	562408
Surr: 1,2-Dichloroethane-d4	72.0	%	70-120		50		02/08/01 11:16	TP	561911
Surr: 4-Bromofluorobenzene	96.0	%	74-130		2500		02/09/01 4:33	TP	562408
Surr: 4-Bromofluorobenzene	96.0	%	74-130		50		02/08/01 11:16	TP	561911
Surr: Toluene-d8	96.0	%	80-140		50		02/08/01 11:16	TP	561911
Surr: Toluene-d8	96.0	%	80-140		2500		02/09/01 4:33	TP	562408

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 11 **Collected:** 2/1/01 9:51:00 A **SPL Sample ID:** 01020052-02

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	**Units: wt%**		
Percent Moisture	11	0		1		02/02/01 12:00	KM	553894

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 11 | Collected: 2/1/01 9:51:00 A | SPL Sample ID: 01020052-02

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	370		1		02/05/01 21:19	S_G	557271
1,2-Dichlorobenzene	ND	56		1		02/05/01 21:19	S_G	557271
1,3-Dichlorobenzene	ND	56		1		02/05/01 21:19	S_G	557271
1,4-Dichlorobenzene	ND	56		1		02/05/01 21:19	S_G	557271
2,4,5-Trichlorophenol	ND	1900		1		02/05/01 21:19	S_G	557271
2,4,6-Trichlorophenol	ND	370		1		02/05/01 21:19	S_G	557271
2,4-Dichlorophenol	ND	370		1		02/05/01 21:19	S_G	557271
2,4-Dimethylphenol	ND	370		1		02/05/01 21:19	S_G	557271
2,4-Dinitrophenol	ND	1900		1		02/05/01 21:19	S_G	557271
2,4-Dinitrotoluene	ND	370		1		02/05/01 21:19	S_G	557271
2,6-Dinitrotoluene	ND	370		1		02/05/01 21:19	S_G	557271
2-Chloronaphthalene	ND	370		1		02/05/01 21:19	S_G	557271
2-Chlorophenol	ND	370		1		02/05/01 21:19	S_G	557271
2-Methylnaphthalene	ND	370		1		02/05/01 21:19	S_G	557271
2-Nitroaniline	ND	1900		1		02/05/01 21:19	S_G	557271
2-Nitrophenol	ND	1900		1		02/05/01 21:19	S_G	557271
3,3'-Dichlorobenzidine	ND	2200		1		02/05/01 21:19	S_G	557271
3-Nitroaniline	ND	1900		1		02/05/01 21:19	S_G	557271
4,6-Dinitro-2-methylphenol	ND	1900		1		02/05/01 21:19	S_G	557271
4-Bromophenyl phenyl ether	ND	370		1		02/05/01 21:19	S_G	557271
4-Chloro-3-methylphenol	ND	1500		1		02/05/01 21:19	S_G	557271
4-Chloroaniline	ND	370		1		02/05/01 21:19	S_G	557271
4-Chlorophenyl phenyl ether	ND	370		1		02/05/01 21:19	S_G	557271
4-Nitroaniline	ND	1900		1		02/05/01 21:19	S_G	557271
4-Nitrophenol	ND	900		1		02/05/01 21:19	S_G	557271
Acenaphthene	ND	370		1		02/05/01 21:19	S_G	557271
Acenaphthylene	ND	370		1		02/05/01 21:19	S_G	557271
Anthracene	ND	370		1		02/05/01 21:19	S_G	557271
Benz(a)anthracene	ND	370		1		02/05/01 21:19	S_G	557271
Benzo(a)pyrene	ND	370		1		02/05/01 21:19	S_G	557271
Benzo(b)fluoranthene	ND	370		1		02/05/01 21:19	S_G	557271
Benzo(g,h,i)perylene	ND	370		1		02/05/01 21:19	S_G	557271
Benzo(k)fluoranthene	ND	370		1		02/05/01 21:19	S_G	557271
Bis(2-chloroethoxy)methane	ND	370		1		02/05/01 21:19	S_G	557271
Bis(2-chloroethyl)ether	ND	370		1		02/05/01 21:19	S_G	557271
Bis(2-chloroisopropyl)ether	ND	370		1		02/05/01 21:19	S_G	557271
Bis(2-ethylhexyl)phthalate	ND	370		1		02/05/01 21:19	S_G	557271
Butyl benzyl phthalate	ND	370		1		02/05/01 21:19	S_G	557271
Carbazole	ND	370		1		02/05/01 21:19	S_G	557271
Chrysene	ND	370		1		02/05/01 21:19	S_G	557271

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 11 **Collected:** 2/1/01 9:51:00 A **SPL Sample ID:** 01020052-02

Site: ***#11676-10***

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/05/01 21:19	S_G	557271
Di-n-octyl phthalate	ND		370	1		02/05/01 21:19	S_G	557271
Dibenz(a,h)anthracene	ND		370	1		02/05/01 21:19	S_G	557271
Dibenzofuran	ND		370	1		02/05/01 21:19	S_G	557271
Diethyl phthalate	ND		370	1		02/05/01 21:19	S_G	557271
Dimethyl phthalate	ND		370	1		02/05/01 21:19	S_G	557271
Fluoranthene	ND		370	1		02/05/01 21:19	S_G	557271
Fluorene	ND		370	1		02/05/01 21:19	S_G	557271
Hexachlorobenzene	ND		370	1		02/05/01 21:19	S_G	557271
Hexachlorobutadiene	ND		370	1		02/05/01 21:19	S_G	557271
Hexachlorocyclopentadiene	ND		370	1		02/05/01 21:19	S_G	557271
Hexachloroethane	ND		110	1		02/05/01 21:19	S_G	557271
Indeno(1,2,3-cd)pyrene	ND		370	1		02/05/01 21:19	S_G	557271
Isophorone	ND		370	1		02/05/01 21:19	S_G	557271
N-Nitrosodi-n-propylamine	ND		370	1		02/05/01 21:19	S_G	557271
N-Nitrosodiphenylamine	ND		370	1		02/05/01 21:19	S_G	557271
Naphthalene	ND		370	1		02/05/01 21:19	S_G	557271
Nitrobenzene	ND		370	1		02/05/01 21:19	S_G	557271
Pentachlorophenol	ND		3800	1		02/05/01 21:19	S_G	557271
Phenanthrene	ND		370	1		02/05/01 21:19	S_G	557271
Phenol	ND		370	1		02/05/01 21:19	S_G	557271
Pyrene	ND		370	1		02/05/01 21:19	S_G	557271
2-Methylphenol	ND		370	1		02/05/01 21:19	S_G	557271
3 & 4-Methylphenol	ND		370	1		02/05/01 21:19	S_G	557271
Surr: 2,4,6-Tribromophenol	96.0	%	19-122	1		02/05/01 21:19	S_G	557271
Surr: 2-Fluorobiphenyl	106	%	30-115	1		02/05/01 21:19	S_G	557271
Surr: 2-Fluorophenol	92.0	%	25-121	1		02/05/01 21:19	S_G	557271
Surr: Nitrobenzene-d5	106	%	23-120	1		02/05/01 21:19	S_G	557271
Surr: Phenol-d5	88.0	%	24-113	1		02/05/01 21:19	S_G	557271
Surr: Terphenyl-d14	112	%	18-137	1		02/05/01 21:19	S_G	557271

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 11 | Collected: 2/1/01 9:51:00 A | SPL Sample ID: 01020052-02

Site: #11676-10

Analytes/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/08/01 11:50	TP	561912
1,1,2,2-Tetrachloroethane	ND		56		50		02/08/01 11:50	TP	561912
1,1,2-Trichloroethane	ND		56		50		02/08/01 11:50	TP	561912
1,1-Dichloroethane	ND		56		50		02/08/01 11:50	TP	561912
1,1-Dichloroethene	2200		56		50		02/08/01 11:50	TP	561912
1,2-Dichloroethane	ND		56		50		02/08/01 11:50	TP	561912
1,2-Dichloropropane	ND		56		50		02/08/01 11:50	TP	561912
2-Butanone	ND		2800		50		02/08/01 11:50	TP	561912
2-Hexanone	ND		2800		50		02/08/01 11:50	TP	561912
4-Methyl-2-pentanone	ND		2800		50		02/08/01 11:50	TP	561912
Acetone	ND		5600		50		02/08/01 11:50	TP	561912
Benzene	ND		56		50		02/08/01 11:50	TP	561912
Bromodichloromethane	ND		56		50		02/08/01 11:50	TP	561912
Bromoform	ND		56		50		02/08/01 11:50	TP	561912
Bromomethane	ND		56		50		02/08/01 11:50	TP	561912
Carbon disulfide	ND		280		50		02/08/01 11:50	TP	561912
Carbon tetrachloride	ND		56		50		02/08/01 11:50	TP	561912
Chlorobenzene	ND		56		50		02/08/01 11:50	TP	561912
Chloroethane	ND		560		50		02/08/01 11:50	TP	561912
Chloroform	ND		56		50		02/08/01 11:50	TP	561912
Chloromethane	ND		560		50		02/08/01 11:50	TP	561912
dibromochloromethane	ND		56		50		02/08/01 11:50	TP	561912
Ethylbenzene	ND		56		50		02/08/01 11:50	TP	561912
Methylene chloride	ND		280		50		02/08/01 11:50	TP	561912
Styrene	ND		56		50		02/08/01 11:50	TP	561912
Tetrachloroethene	55000		5600		5000		02/09/01 4:59	TP	562409
Toluene	ND		56		50		02/08/01 11:50	TP	561912
trans-1,3-Dichloropropene	ND		56		50		02/08/01 11:50	TP	561912
Trichloroethene	240000		5600		5000		02/09/01 4:59	TP	562409
Vinyl chloride	820		56		50		02/08/01 11:50	TP	561912
cis-1,2-Dichloroethene	2200		56		50		02/08/01 11:50	TP	561912
cis-1,3-Dichloropropene	ND		56		50		02/08/01 11:50	TP	561912
trans-1,2-Dichloroethene	650		56		50		02/08/01 11:50	TP	561912
Xylenes,Total	ND		170		50		02/08/01 11:50	TP	561912
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/08/01 11:50	TP	561912
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		5000		02/09/01 4:59	TP	562409
Surr: 4-Bromofluorobenzene	96.0	%	74-130		5000		02/09/01 4:59	TP	562409
Surr: 4-Bromofluorobenzene	96.0	%	74-130		50		02/08/01 11:50	TP	561912
Surr: Toluene-d8	96.0	%	80-140		50		02/08/01 11:50	TP	561912
Surr: Toluene-d8	96.0	%	80-140		5000		02/09/01 4:59	TP	562409

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 12 **Collected:** 2/1/01 10:30:00 **SPL Sample ID:** 01020052-03

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	18.3	0		1		02/02/01 12:00	KM	553895

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 12 | Collected: 2/1/01 10:30:00 | SPL Sample ID: 01020052-03

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	400		1		02/06/01 10:08	S_G	558842
1,2-Dichlorobenzene	930	61		1		02/06/01 10:08	S_G	558842
1,3-Dichlorobenzene	ND	61		1		02/06/01 10:08	S_G	558842
1,4-Dichlorobenzene	ND	61		1		02/06/01 10:08	S_G	558842
2,4,5-Trichlorophenol	ND	2100		1		02/06/01 10:08	S_G	558842
2,4,6-Trichlorophenol	ND	400		1		02/06/01 10:08	S_G	558842
2,4-Dichlorophenol	ND	400		1		02/06/01 10:08	S_G	558842
2,4-Dimethylphenol	ND	400		1		02/06/01 10:08	S_G	558842
2,4-Dinitrophenol	ND	2100		1		02/06/01 10:08	S_G	558842
2,4-Dinitrotoluene	ND	400		1		02/06/01 10:08	S_G	558842
2,6-Dinitrotoluene	ND	400		1		02/06/01 10:08	S_G	558842
2-Chloronaphthalene	ND	400		1		02/06/01 10:08	S_G	558842
2-Chlorophenol	ND	400		1		02/06/01 10:08	S_G	558842
2-Methylnaphthalene	ND	400		1		02/06/01 10:08	S_G	558842
2-Nitroaniline	ND	2100		1		02/06/01 10:08	S_G	558842
2-Nitrophenol	ND	2100		1		02/06/01 10:08	S_G	558842
3,3-Dichlorobenzidine	ND	2400		1		02/06/01 10:08	S_G	558842
3-Nitroaniline	ND	2100		1		02/06/01 10:08	S_G	558842
4,6-Dinitro-2-methylphenol	ND	2100		1		02/06/01 10:08	S_G	558842
4-Bromophenyl phenyl ether	ND	400		1		02/06/01 10:08	S_G	558842
4-Chloro-3-methylphenol	ND	1600		1		02/06/01 10:08	S_G	558842
4-Chloroaniline	ND	400		1		02/06/01 10:08	S_G	558842
4-Chlorophenyl phenyl ether	ND	400		1		02/06/01 10:08	S_G	558842
4-Nitroaniline	ND	2100		1		02/06/01 10:08	S_G	558842
4-Nitrophenol	ND	980		1		02/06/01 10:08	S_G	558842
Acenaphthene	ND	400		1		02/06/01 10:08	S_G	558842
Acenaphthylene	ND	400		1		02/06/01 10:08	S_G	558842
Anthracene	ND	400		1		02/06/01 10:08	S_G	558842
Benz(a)anthracene	ND	400		1		02/06/01 10:08	S_G	558842
Benzo(a)pyrene	ND	400		1		02/06/01 10:08	S_G	558842
Benzo(b)fluoranthene	ND	400		1		02/06/01 10:08	S_G	558842
Benzo(g,h,i)perylene	ND	400		1		02/06/01 10:08	S_G	558842
Benzo(k)fluoranthene	ND	400		1		02/06/01 10:08	S_G	558842
Bis(2-chloroethoxy)methane	ND	400		1		02/06/01 10:08	S_G	558842
Bis(2-chloroethyl)ether	ND	400		1		02/06/01 10:08	S_G	558842
Bis(2-chloroisopropyl)ether	ND	400		1		02/06/01 10:08	S_G	558842
Bis(2-ethylhexyl)phthalate	ND	400		1		02/06/01 10:08	S_G	558842
Butyl benzyl phthalate	ND	400		1		02/06/01 10:08	S_G	558842
Carbazole	ND	400		1		02/06/01 10:08	S_G	558842
Chrysene	ND	400		1		02/06/01 10:08	S_G	558842

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 12 **Collected:** 2/1/01 10:30:00 **SPL Sample ID:** 01020052-03

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		400	1		02/06/01 10:08	S_G	558842
Di-n-octyl phthalate	ND		400	1		02/06/01 10:08	S_G	558842
Dibenz(a,h)anthracene	ND		400	1		02/06/01 10:08	S_G	558842
Dibenzofuran	ND		400	1		02/06/01 10:08	S_G	558842
Diethyl phthalate	ND		400	1		02/06/01 10:08	S_G	558842
Dimethyl phthalate	ND		400	1		02/06/01 10:08	S_G	558842
Fluoranthene	ND		400	1		02/06/01 10:08	S_G	558842
Fluorene	ND		400	1		02/06/01 10:08	S_G	558842
Hexachlorobenzene	4400		2000	5		02/06/01 12:58	S_G	558847
Hexachlorobutadiene	8600		2000	5		02/06/01 12:58	S_G	558847
Hexachlorocyclopentadiene	ND		400	1		02/06/01 10:08	S_G	558842
Hexachloroethane	8100		610	5		02/06/01 12:58	S_G	558847
Indeno(1,2,3-cd)pyrene	ND		400	1		02/06/01 10:08	S_G	558842
Isophorone	ND		400	1		02/06/01 10:08	S_G	558842
N-Nitrosodi-n-propylamine	ND		400	1		02/06/01 10:08	S_G	558842
N-Nitrosodiphenylamine	ND		400	1		02/06/01 10:08	S_G	558842
Naphthalene	ND		400	1		02/06/01 10:08	S_G	558842
Nitrobenzene	ND		400	1		02/06/01 10:08	S_G	558842
Pentachlorophenol	ND		4200	1		02/06/01 10:08	S_G	558842
Phenanthrene	ND		400	1		02/06/01 10:08	S_G	558842
Phenol	ND		400	1		02/06/01 10:08	S_G	558842
Pyrene	ND		400	1		02/06/01 10:08	S_G	558842
2-Methylphenol	ND		400	1		02/06/01 10:08	S_G	558842
3 & 4-Methylphenol	ND		400	1		02/06/01 10:08	S_G	558842
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	5		02/06/01 12:58	S_G	558847
Surr: 2,4,6-Tribromophenol	96.0	%	19-122	1		02/06/01 10:08	S_G	558842
Surr: 2-Fluorobiphenyl	94.1	%	30-115	5		02/06/01 12:58	S_G	558847
Surr: 2-Fluorobiphenyl	100	%	30-115	1		02/06/01 10:08	S_G	558842
Surr: 2-Fluorophenol	88.0	%	25-121	1		02/06/01 10:08	S_G	558842
Surr: 2-Fluorophenol	88.0	%	25-121	5		02/06/01 12:58	S_G	558847
Surr: Nitrobenzene-d5	94.1	%	23-120	1		02/06/01 10:08	S_G	558842
Surr: Nitrobenzene-d5	106	%	23-120	5		02/06/01 12:58	S_G	558847
Surr: Phenol-d5	88.0	%	24-113	5		02/06/01 12:58	S_G	558847
Surr: Phenol-d5	80.0	%	24-113	1		02/06/01 10:08	S_G	558842
Surr: Terphenyl-d14	100	%	18-137	1		02/06/01 10:08	S_G	558842
Surr: Terphenyl-d14	94.1	%	18-137	5		02/06/01 12:58	S_G	558847

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 12 | Collected: 2/1/01 10:30:00 | SPL Sample ID: 01020052-03

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		61		50		02/08/01 23:26	TP	562437
1,1,2,2-Tetrachloroethane	13000		61		50		02/08/01 23:26	TP	562437
1,1,2-Trichloroethane	6400		61		50		02/08/01 23:26	TP	562437
1,1-Dichloroethane	220		61		50		02/08/01 23:26	TP	562437
1,1-Dichloroethene	5900		61		50		02/08/01 23:26	TP	562437
1,2-Dichloroethane	ND		61		50		02/08/01 23:26	TP	562437
1,2-Dichloropropane	ND		61		50		02/08/01 23:26	TP	562437
2-Butanone	ND		3100		50		02/08/01 23:26	TP	562437
2-Hexanone	ND		3100		50		02/08/01 23:26	TP	562437
4-Methyl-2-pentanone	ND		3100		50		02/08/01 23:26	TP	562437
Acetone	ND		6100		50		02/08/01 23:26	TP	562437
Benzene	ND		61		50		02/08/01 23:26	TP	562437
Bromodichloromethane	ND		61		50		02/08/01 23:26	TP	562437
Bromoform	ND		61		50		02/08/01 23:26	TP	562437
Bromomethane	ND		61		50		02/08/01 23:26	TP	562437
Carbon disulfide	ND		310		50		02/08/01 23:26	TP	562437
Carbon tetrachloride	ND		61		50		02/08/01 23:26	TP	562437
Chlorobenzene	6100		61		50		02/08/01 23:26	TP	562437
Chloroethane	ND		610		50		02/08/01 23:26	TP	562437
Chloroform	ND		61		50		02/08/01 23:26	TP	562437
Chloromethane	ND		610		50		02/08/01 23:26	TP	562437
dibromochloromethane	ND		61		50		02/08/01 23:26	TP	562437
Ethylbenzene	560		61		50		02/08/01 23:26	TP	562437
Methylene chloride	ND		310		50		02/08/01 23:26	TP	562437
Styrene	ND		61		50		02/08/01 23:26	TP	562437
Tetrachloroethene	1800000		31000		25000		02/09/01 18:02	JC	562537
Toluene	450		61		50		02/08/01 23:26	TP	562437
trans-1,3-Dichloropropene	ND		61		50		02/08/01 23:26	TP	562437
Trichloroethene	1700000		31000		25000		02/09/01 18:02	JC	562537
Vinyl chloride	1500		61		50		02/08/01 23:26	TP	562437
cis-1,2-Dichloroethene	10000		61		50		02/08/01 23:26	TP	562437
cis-1,3-Dichloropropene	ND		61		50		02/08/01 23:26	TP	562437
trans-1,2-Dichloroethene	3700		61		50		02/08/01 23:26	TP	562437
Xylenes Total	470		180		50		02/08/01 23:26	TP	562437
Surr: 1,2-Dichloroethane-d4	112	%	70-120		25000		02/09/01 18:02	JC	562537
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/08/01 23:26	TP	562437
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/08/01 23:26	TP	562437
Surr: 4-Bromofluorobenzene	104	%	74-130		25000		02/09/01 18:02	JC	562537
Surr: Toluene-d8	104	%	80-140		25000		02/09/01 18:02	JC	562537
Surr: Toluene-d8	96.0	%	80-140		50		02/08/01 23:26	TP	562437

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 13 **Collected:** 2/1/01 10:45:00 **SPL Sample ID:** 01020052-04

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE				D2216		Units: wt%		
Percent Moisture	12.1	0		1		02/02/01 12:00	KM	553896

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 13 | Collected: 2/1/01 10:45:00 | SPL Sample ID: 01020052-04

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	380		1		02/06/01 10:42	S_G	558843
1,2-Dichlorobenzene	ND	57		1		02/06/01 10:42	S_G	558843
1,3-Dichlorobenzene	ND	57		1		02/06/01 10:42	S_G	558843
1,4-Dichlorobenzene	ND	57		1		02/06/01 10:42	S_G	558843
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 10:42	S_G	558843
2,4,6-Trichlorophenol	ND	380		1		02/06/01 10:42	S_G	558843
2,4-Dichlorophenol	ND	380		1		02/06/01 10:42	S_G	558843
2,4-Dimethylphenol	ND	380		1		02/06/01 10:42	S_G	558843
2,4-Dinitrophenol	ND	1900		1		02/06/01 10:42	S_G	558843
2,4-Dinitrotoluene	ND	380		1		02/06/01 10:42	S_G	558843
2,6-Dinitrotoluene	ND	380		1		02/06/01 10:42	S_G	558843
2-Chloronaphthalene	ND	380		1		02/06/01 10:42	S_G	558843
2-Chlorophenol	ND	380		1		02/06/01 10:42	S_G	558843
2-Methylnaphthalene	ND	380		1		02/06/01 10:42	S_G	558843
2-Nitroaniline	ND	1900		1		02/06/01 10:42	S_G	558843
2-Nitrophenol	ND	1900		1		02/06/01 10:42	S_G	558843
3,3'-Dichlorobenzidine	ND	2300		1		02/06/01 10:42	S_G	558843
3-Nitroaniline	ND	1900		1		02/06/01 10:42	S_G	558843
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 10:42	S_G	558843
4-Bromophenyl phenyl ether	ND	380		1		02/06/01 10:42	S_G	558843
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 10:42	S_G	558843
4-Chloroaniline	ND	380		1		02/06/01 10:42	S_G	558843
4-Chlorophenyl phenyl ether	ND	380		1		02/06/01 10:42	S_G	558843
4-Nitroaniline	ND	1900		1		02/06/01 10:42	S_G	558843
4-Nitrophenol	ND	910		1		02/06/01 10:42	S_G	558843
Acenaphthene	ND	380		1		02/06/01 10:42	S_G	558843
Acenaphthylene	ND	380		1		02/06/01 10:42	S_G	558843
Anthracene	ND	380		1		02/06/01 10:42	S_G	558843
Benz(a)anthracene	ND	380		1		02/06/01 10:42	S_G	558843
Benzo(a)pyrene	ND	380		1		02/06/01 10:42	S_G	558843
Benzo(b)fluoranthene	ND	380		1		02/06/01 10:42	S_G	558843
Benzo(g,h,i)perylene	ND	380		1		02/06/01 10:42	S_G	558843
Benzo(k)fluoranthene	ND	380		1		02/06/01 10:42	S_G	558843
Bis(2-chloroethoxy)methane	ND	380		1		02/06/01 10:42	S_G	558843
Bis(2-chloroethyl)ether	ND	380		1		02/06/01 10:42	S_G	558843
Bis(2-chloroisopropyl)ether	ND	380		1		02/06/01 10:42	S_G	558843
Bis(2-ethylhexyl)phthalate	ND	380		1		02/06/01 10:42	S_G	558843
Butyl benzyl phthalate	ND	380		1		02/06/01 10:42	S_G	558843
Carbazole	ND	380		1		02/06/01 10:42	S_G	558843
Chrysene	ND	380		1		02/06/01 10:42	S_G	558843

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 13 **Collected:** 2/1/01 10:45:00 **SPL Sample ID:** 01020052-04

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/06/01 10:42	S_G	558843
Di-n-octyl phthalate	ND		380	1		02/06/01 10:42	S_G	558843
Dibenz(a,h)anthracene	ND		380	1		02/06/01 10:42	S_G	558843
Dibenzofuran	ND		380	1		02/06/01 10:42	S_G	558843
Diethyl phthalate	ND		380	1		02/06/01 10:42	S_G	558843
Dimethyl phthalate	ND		380	1		02/06/01 10:42	S_G	558843
Fluoranthene	ND		380	1		02/06/01 10:42	S_G	558843
Fluorene	ND		380	1		02/06/01 10:42	S_G	558843
Hexachlorobenzene	ND		380	1		02/06/01 10:42	S_G	558843
Hexachlorobutadiene	ND		380	1		02/06/01 10:42	S_G	558843
Hexachlorocyclopentadiene	ND		380	1		02/06/01 10:42	S_G	558843
Hexachloroethane	ND		110	1		02/06/01 10:42	S_G	558843
Indeno(1,2,3-cd)pyrene	ND		380	1		02/06/01 10:42	S_G	558843
Isophorone	ND		380	1		02/06/01 10:42	S_G	558843
N-Nitrosodi-n-propylamine	ND		380	1		02/06/01 10:42	S_G	558843
N-Nitrosodiphenylamine	ND		380	1		02/06/01 10:42	S_G	558843
Naphthalene	ND		380	1		02/06/01 10:42	S_G	558843
Nitrobenzene	ND		380	1		02/06/01 10:42	S_G	558843
Pentachlorophenol	ND		3900	1		02/06/01 10:42	S_G	558843
Phenanthrene	ND		380	1		02/06/01 10:42	S_G	558843
Phenol	ND		380	1		02/06/01 10:42	S_G	558843
Pyrene	ND		380	1		02/06/01 10:42	S_G	558843
2-Methylphenol	ND		380	1		02/06/01 10:42	S_G	558843
3 & 4-Methylphenol	ND		380	1		02/06/01 10:42	S_G	558843
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		02/06/01 10:42	S_G	558843
Surr: 2-Fluorobiphenyl	100	%	30-115	1		02/06/01 10:42	S_G	558843
Surr: 2-Fluorophenol	88.0	%	25-121	1		02/06/01 10:42	S_G	558843
Surr: Nitrobenzene-d5	100	%	23-120	1		02/06/01 10:42	S_G	558843
Surr: Phenol-d5	88.0	%	24-113	1		02/06/01 10:42	S_G	558843
Surr: Terphenyl-d14	94.1	%	18-137	1		02/06/01 10:42	S_G	558843

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 13 | Collected: 2/1/01 10:45:00 | SPL Sample ID: 01020052-04

Site: #11676-10

Analytes/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
				MCL	SW8260B		Units: ug/Kg-dry		
VOLATILE ORGANICS BY METHOD 8260B									
1,1,1-Trichloroethane	ND		57		50		02/09/01 10:15	TP	562416
1,1,2,2-Tetrachloroethane	ND		57		50		02/09/01 10:15	TP	562416
1,1,2-Trichloroethane	ND		57		50		02/09/01 10:15	TP	562416
1,1-Dichloroethane	ND		57		50		02/09/01 10:15	TP	562416
1,1-Dichloroethene	ND		57		50		02/09/01 10:15	TP	562416
1,2-Dichloroethane	ND		57		50		02/09/01 10:15	TP	562416
1,2-Dichloropropane	ND		57		50		02/09/01 10:15	TP	562416
2-Butanone	ND		2800		50		02/09/01 10:15	TP	562416
2-Hexanone	ND		2800		50		02/09/01 10:15	TP	562416
4-Methyl-2-pentanone	ND		2800		50		02/09/01 10:15	TP	562416
Acetone	ND		5700		50		02/09/01 10:15	TP	562416
Benzene	ND		57		50		02/09/01 10:15	TP	562416
Bromodichloromethane	ND		57		50		02/09/01 10:15	TP	562416
Bromoform	ND		57		50		02/09/01 10:15	TP	562416
Bromomethane	ND		57		50		02/09/01 10:15	TP	562416
Carbon disulfide	ND		280		50		02/09/01 10:15	TP	562416
Carbon tetrachloride	ND		57		50		02/09/01 10:15	TP	562416
Chlorobenzene	ND		57		50		02/09/01 10:15	TP	562416
Chloroethane	ND		570		50		02/09/01 10:15	TP	562416
Chloroform	ND		57		50		02/09/01 10:15	TP	562416
Chloromethane	ND		570		50		02/09/01 10:15	TP	562416
dibromochloromethane	ND		57		50		02/09/01 10:15	TP	562416
Ethylbenzene	ND		57		50		02/09/01 10:15	TP	562416
Methylene chloride	ND		280		50		02/09/01 10:15	TP	562416
Styrene	ND		57		50		02/09/01 10:15	TP	562416
Tetrachloroethene	ND		57		50		02/09/01 10:15	TP	562416
Toluene	ND		57		50		02/09/01 10:15	TP	562416
trans-1,3-Dichloropropene	ND		57		50		02/09/01 10:15	TP	562416
Trichloroethene	ND		57		50		02/09/01 10:15	TP	562416
Vinyl chloride	670		57		50		02/09/01 10:15	TP	562416
cis-1,2-Dichloroethene	150		57		50		02/09/01 10:15	TP	562416
cis-1,3-Dichloropropene	ND		57		50		02/09/01 10:15	TP	562416
trans-1,2-Dichloroethene	ND		57		50		02/09/01 10:15	TP	562416
Xylenes,Total	ND		170		50		02/09/01 10:15	TP	562416
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/09/01 10:15	TP	562416
Surr: 4-Bromofluorobenzene	96.0	%	74-130		50		02/09/01 10:15	TP	562416
Surr: Toluene-d8	96.0	%	80-140		50		02/09/01 10:15	TP	562416

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 14 **Collected:** 2/1/01 11:30:00 **SPL Sample ID:** 01020052-05

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	Units: wt%		
Percent Moisture	13	0		1		02/02/01 12:00	KM	553897

Qualifiers:

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8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 14 | Collected: 2/1/01 11:30:00 | SPL Sample ID: 01020052-05

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	380		1		02/06/01 11:16	S_G	558844
1,2-Dichlorobenzene	490	57		1		02/06/01 11:16	S_G	558844
1,3-Dichlorobenzene	ND	57		1		02/06/01 11:16	S_G	558844
1,4-Dichlorobenzene	ND	57		1		02/06/01 11:16	S_G	558844
2,4,5-Trichlorophenol	ND	2000		1		02/06/01 11:16	S_G	558844
2,4,6-Trichlorophenol	ND	380		1		02/06/01 11:16	S_G	558844
2,4-Dichlorophenol	ND	380		1		02/06/01 11:16	S_G	558844
2,4-Dimethylphenol	ND	380		1		02/06/01 11:16	S_G	558844
2,4-Dinitrophenol	ND	2000		1		02/06/01 11:16	S_G	558844
2,4-Dinitrotoluene	ND	380		1		02/06/01 11:16	S_G	558844
2,6-Dinitrotoluene	ND	380		1		02/06/01 11:16	S_G	558844
2-Chloronaphthalene	ND	380		1		02/06/01 11:16	S_G	558844
2-Chlorophenol	ND	380		1		02/06/01 11:16	S_G	558844
2-Methylnaphthalene	ND	380		1		02/06/01 11:16	S_G	558844
2-Nitroaniline	ND	2000		1		02/06/01 11:16	S_G	558844
2-Nitrophenol	ND	2000		1		02/06/01 11:16	S_G	558844
3,3 -Dichlorobenzidine	ND	2300		1		02/06/01 11:16	S_G	558844
3-Nitroaniline	ND	2000		1		02/06/01 11:16	S_G	558844
4,6-Dinitro-2-methylphenol	ND	2000		1		02/06/01 11:16	S_G	558844
4-Bromophenyl phenyl ether	ND	380		1		02/06/01 11:16	S_G	558844
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 11:16	S_G	558844
4-Chloroaniline	ND	380		1		02/06/01 11:16	S_G	558844
4-Chlorophenyl phenyl ether	ND	380		1		02/06/01 11:16	S_G	558844
4-Nitroaniline	ND	2000		1		02/06/01 11:16	S_G	558844
4-Nitrophenol	ND	920		1		02/06/01 11:16	S_G	558844
Acenaphthene	ND	380		1		02/06/01 11:16	S_G	558844
Acenaphthylene	ND	380		1		02/06/01 11:16	S_G	558844
Anthracene	ND	380		1		02/06/01 11:16	S_G	558844
Benz(a)anthracene	ND	380		1		02/06/01 11:16	S_G	558844
Benzo(a)pyrene	ND	380		1		02/06/01 11:16	S_G	558844
Benzo(b)fluoranthene	ND	380		1		02/06/01 11:16	S_G	558844
Benzo(g,h,i)perylene	ND	380		1		02/06/01 11:16	S_G	558844
Benzo(k)fluoranthene	ND	380		1		02/06/01 11:16	S_G	558844
Bis(2-chloroethoxy)methane	ND	380		1		02/06/01 11:16	S_G	558844
Bis(2-chloroethyl)ether	ND	380		1		02/06/01 11:16	S_G	558844
Bis(2-chloroisopropyl)ether	ND	380		1		02/06/01 11:16	S_G	558844
Bis(2-ethylhexyl)phthalate	ND	380		1		02/06/01 11:16	S_G	558844
Butyl benzyl phthalate	ND	380		1		02/06/01 11:16	S_G	558844
Carbazole	ND	380		1		02/06/01 11:16	S_G	558844
Chrysene	ND	380		1		02/06/01 11:16	S_G	558844

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 14 **Collected:** 2/1/01 11:30:00 **SPL Sample ID:** 01020052-05

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/06/01 11:16	S_G	558844
Di-n-octyl phthalate	ND		380	1		02/06/01 11:16	S_G	558844
Dibenz(a,h)anthracene	ND		380	1		02/06/01 11:16	S_G	558844
Dibenzofuran	ND		380	1		02/06/01 11:16	S_G	558844
Diethyl phthalate	ND		380	1		02/06/01 11:16	S_G	558844
Dimethyl phthalate	ND		380	1		02/06/01 11:16	S_G	558844
Fluoranthene	ND		380	1		02/06/01 11:16	S_G	558844
Fluorene	ND		380	1		02/06/01 11:16	S_G	558844
Hexachlorobenzene	2900		380	1		02/06/01 11:16	S_G	558844
Hexachlorobutadiene	8600		1900	5		02/06/01 13:32	S_G	558848
Hexachlorocyclopentadiene	ND		380	1		02/06/01 11:16	S_G	558844
Hexachloroethane	8000		570	5		02/06/01 13:32	S_G	558848
Indeno(1,2,3-cd)pyrene	ND		380	1		02/06/01 11:16	S_G	558844
Isophorone	ND		380	1		02/06/01 11:16	S_G	558844
N-Nitrosodi-n-propylamine	ND		380	1		02/06/01 11:16	S_G	558844
N-Nitrosodiphenylamine	ND		380	1		02/06/01 11:16	S_G	558844
Naphthalene	ND		380	1		02/06/01 11:16	S_G	558844
Nitrobenzene	ND		380	1		02/06/01 11:16	S_G	558844
Pentachlorophenol	ND		3900	1		02/06/01 11:16	S_G	558844
Phenanthrene	ND		380	1		02/06/01 11:16	S_G	558844
Phenol	ND		380	1		02/06/01 11:16	S_G	558844
Pyrene	ND		380	1		02/06/01 11:16	S_G	558844
2-Methylphenol	ND		380	1		02/06/01 11:16	S_G	558844
3 & 4-Methylphenol	ND		380	1		02/06/01 11:16	S_G	558844
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		02/06/01 11:16	S_G	558844
Surr: 2,4,6-Tribromophenol	80.0	%	19-122	5		02/06/01 13:32	S_G	558848
Surr: 2-Fluorobiphenyl	94.1	%	30-115	1		02/06/01 11:16	S_G	558844
Surr: 2-Fluorobiphenyl	94.1	%	30-115	5		02/06/01 13:32	S_G	558848
Surr: 2-Fluorophenol	80.0	%	25-121	5		02/06/01 13:32	S_G	558848
Surr: 2-Fluorophenol	80.0	%	25-121	1		02/06/01 11:16	S_G	558844
Surr: Nitrobenzene-d5	100	%	23-120	5		02/06/01 13:32	S_G	558848
Surr: Nitrobenzene-d5	88.2	%	23-120	1		02/06/01 11:16	S_G	558844
Surr: Phenol-d5	80.0	%	24-113	5		02/06/01 13:32	S_G	558848
Surr: Phenol-d5	80.0	%	24-113	1		02/06/01 11:16	S_G	558844
Surr: Terphenyl-d14	82.4	%	18-137	5		02/06/01 13:32	S_G	558848
Surr: Terphenyl-d14	88.2	%	18-137	1		02/06/01 11:16	S_G	558844

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 14 | Collected: 2/1/01 11:30:00 | SPL Sample ID: 01020052-05

Site: #11676-10

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		57		50		02/09/01 0:17	TP	561959
1,1,2,2-Tetrachloroethane	ND		57		50		02/09/01 0:17	TP	561959
1,1,2-Trichloroethane	130		57		50		02/09/01 0:17	TP	561959
1,1-Dichloroethane	ND		57		50		02/09/01 0:17	TP	561959
1,1-Dichloroethene	1600		57		50		02/09/01 0:17	TP	561959
1,2-Dichloroethane	ND		57		50		02/09/01 0:17	TP	561959
1,2-Dichloropropane	ND		57		50		02/09/01 0:17	TP	561959
2-Butanone	ND		2900		50		02/09/01 0:17	TP	561959
2-Hexanone	ND		2900		50		02/09/01 0:17	TP	561959
4-Methyl-2-pentanone	ND		2900		50		02/09/01 0:17	TP	561959
Acetone	ND		5700		50		02/09/01 0:17	TP	561959
Benzene	ND		57		50		02/09/01 0:17	TP	561959
Bromodichloromethane	ND		57		50		02/09/01 0:17	TP	561959
Bromoform	ND		57		50		02/09/01 0:17	TP	561959
Bromomethane	ND		57		50		02/09/01 0:17	TP	561959
Carbon disulfide	ND		290		50		02/09/01 0:17	TP	561959
Carbon tetrachloride	ND		57		50		02/09/01 0:17	TP	561959
Chlorobenzene	2200		57		50		02/09/01 0:17	TP	561959
Chloroethane	ND		570		50		02/09/01 0:17	TP	561959
Chloroform	ND		57		50		02/09/01 0:17	TP	561959
Chloromethane	ND		570		50		02/09/01 0:17	TP	561959
dibromochloromethane	ND		57		50		02/09/01 0:17	TP	561959
Ethylbenzene	ND		57		50		02/09/01 0:17	TP	561959
Methylene chloride	ND		290		50		02/09/01 0:17	TP	561959
Styrene	ND		57		50		02/09/01 0:17	TP	561959
Tetrachloroethene	1500000		11000		10000		02/09/01 11:08	TP	562418
Toluene	ND		57		50		02/09/01 0:17	TP	561959
trans-1,3-Dichloropropene	ND		57		50		02/09/01 0:17	TP	561959
Trichloroethene	720000		11000		10000		02/09/01 11:08	TP	562418
Vinyl chloride	450		57		50		02/09/01 0:17	TP	561959
cis-1,2-Dichloroethene	8400		57		50		02/09/01 0:17	TP	561959
cis-1,3-Dichloropropene	ND		57		50		02/09/01 0:17	TP	561959
trans-1,2-Dichloroethene	780		57		50		02/09/01 0:17	TP	561959
Xylenes,Total	ND		170		50		02/09/01 0:17	TP	561959
Surr: 1,2-Dichloroethane-d4	78.0	%	70-120		10000		02/09/01 11:08	TP	562418
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/09/01 0:17	TP	561959
Surr: 4-Bromofluorobenzene	94.0	%	74-130		10000		02/09/01 11:08	TP	562418
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/09/01 0:17	TP	561959
Surr: Toluene-d8	98.0	%	80-140		10000		02/09/01 11:08	TP	562418
Surr: Toluene-d8	96.0	%	80-140		50		02/09/01 0:17	TP	561959

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 15 **Collected:** 2/1/01 12:30:00 **SPL Sample ID:** 01020052-06

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	11.1	0		1		02/02/01 12:00	KM	553898

Qualifiers:

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8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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Client Sample ID S-11676-020101-DG 15 **Collected:** 2/1/01 12:30:00 **SPL Sample ID:** 01020052-06

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		02/06/01 11:50	S_G	558845
1,2-Dichlorobenzene	ND	56		1		02/06/01 11:50	S_G	558845
1,3-Dichlorobenzene	ND	56		1		02/06/01 11:50	S_G	558845
1,4-Dichlorobenzene	ND	56		1		02/06/01 11:50	S_G	558845
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 11:50	S_G	558845
2,4,6-Trichlorophenol	ND	370		1		02/06/01 11:50	S_G	558845
2,4-Dichlorophenol	ND	370		1		02/06/01 11:50	S_G	558845
2,4-Dimethylphenol	ND	370		1		02/06/01 11:50	S_G	558845
2,4-Dinitrophenol	ND	1900		1		02/06/01 11:50	S_G	558845
2,4-Dinitrotoluene	ND	370		1		02/06/01 11:50	S_G	558845
2,6-Dinitrotoluene	ND	370		1		02/06/01 11:50	S_G	558845
2-Chloronaphthalene	ND	370		1		02/06/01 11:50	S_G	558845
2-Chlorophenol	ND	370		1		02/06/01 11:50	S_G	558845
2-Methylnaphthalene	ND	370		1		02/06/01 11:50	S_G	558845
2-Nitroaniline	ND	1900		1		02/06/01 11:50	S_G	558845
2-Nitrophenol	ND	1900		1		02/06/01 11:50	S_G	558845
3,3'-Dichlorobenzidine	ND	2200		1		02/06/01 11:50	S_G	558845
3-Nitroaniline	ND	1900		1		02/06/01 11:50	S_G	558845
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 11:50	S_G	558845
4-Bromophenyl phenyl ether	ND	370		1		02/06/01 11:50	S_G	558845
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 11:50	S_G	558845
4-Chloroaniline	ND	370		1		02/06/01 11:50	S_G	558845
4-Chlorophenyl phenyl ether	ND	370		1		02/06/01 11:50	S_G	558845
4-Nitroaniline	ND	1900		1		02/06/01 11:50	S_G	558845
4-Nitrophenol	ND	900		1		02/06/01 11:50	S_G	558845
Acenaphthene	ND	370		1		02/06/01 11:50	S_G	558845
Acenaphthylene	ND	370		1		02/06/01 11:50	S_G	558845
Anthracene	ND	370		1		02/06/01 11:50	S_G	558845
Benz(a)anthracene	ND	370		1		02/06/01 11:50	S_G	558845
Benzo(a)pyrene	ND	370		1		02/06/01 11:50	S_G	558845
Benzo(b)fluoranthene	ND	370		1		02/06/01 11:50	S_G	558845
Benzo(g,h,i)perylene	ND	370		1		02/06/01 11:50	S_G	558845
Benzo(k)fluoranthene	ND	370		1		02/06/01 11:50	S_G	558845
Bis(2-chloroethoxy)methane	ND	370		1		02/06/01 11:50	S_G	558845
Bis(2-chloroethyl)ether	ND	370		1		02/06/01 11:50	S_G	558845
Bis(2-chloroisopropyl)ether	ND	370		1		02/06/01 11:50	S_G	558845
Bis(2-ethylhexyl)phthalate	ND	370		1		02/06/01 11:50	S_G	558845
Butyl benzyl phthalate	ND	370		1		02/06/01 11:50	S_G	558845
Carbazole	ND	370		1		02/06/01 11:50	S_G	558845
Chrysene	ND	370		1		02/06/01 11:50	S_G	558845

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8880 INTERCHANGE DRIVE
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Client Sample ID S-11676-020101-DG 15 **Collected:** 2/1/01 12:30:00 **SPL Sample ID:** 01020052-06

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/06/01 11:50	S_G	558845
Di-n-octyl phthalate	ND		370	1		02/06/01 11:50	S_G	558845
Dibenz(a,h)anthracene	ND		370	1		02/06/01 11:50	S_G	558845
Dibenzofuran	ND		370	1		02/06/01 11:50	S_G	558845
Diethyl phthalate	ND		370	1		02/06/01 11:50	S_G	558845
Dimethyl phthalate	ND		370	1		02/06/01 11:50	S_G	558845
Fluoranthene	ND		370	1		02/06/01 11:50	S_G	558845
Fluorene	ND		370	1		02/06/01 11:50	S_G	558845
Hexachlorobenzene	ND		370	1		02/06/01 11:50	S_G	558845
Hexachlorobutadiene	ND		370	1		02/06/01 11:50	S_G	558845
Hexachlorocyclopentadiene	ND		370	1		02/06/01 11:50	S_G	558845
Hexachloroethane	240		110	1		02/06/01 11:50	S_G	558845
Indeno(1,2,3-cd)pyrene	ND		370	1		02/06/01 11:50	S_G	558845
Isophorone	ND		370	1		02/06/01 11:50	S_G	558845
N-Nitrosodi-n-propylamine	ND		370	1		02/06/01 11:50	S_G	558845
N-Nitrosodiphenylamine	ND		370	1		02/06/01 11:50	S_G	558845
Naphthalene	ND		370	1		02/06/01 11:50	S_G	558845
Nitrobenzene	ND		370	1		02/06/01 11:50	S_G	558845
Pentachlorophenol	ND		3800	1		02/06/01 11:50	S_G	558845
Phenanthrene	ND		370	1		02/06/01 11:50	S_G	558845
Phenol	ND		370	1		02/06/01 11:50	S_G	558845
Pyrene	ND		370	1		02/06/01 11:50	S_G	558845
2-Methylphenol	ND		370	1		02/06/01 11:50	S_G	558845
3 & 4-Methylphenol	ND		370	1		02/06/01 11:50	S_G	558845
Surr: 2,4,6-Tribromophenol	*92.0*	%	*19-122*	1		02/06/01 11:50	S_G	558845
Surr: 2-Fluorobiphenyl	94.1	%	30-115	1		02/06/01 11:50	S_G	558845
Surr: 2-Fluorophenol	84.0	%	25-121	1		02/06/01 11:50	S_G	558845
Surr: Nitrobenzene-d5	94.1	%	23-120	1		02/06/01 11:50	S_G	558845
Surr: Phenol-d5	84.0	%	24-113	1		02/06/01 11:50	S_G	558845
Surr: Terphenyl-d14	94.1	%	18-137	1		02/06/01 11:50	S_G	558845

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020101-DG 15 | Collected: 2/1/01 12:30:00 | SPL Sample ID: 01020052-06

Site: #11676-10

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				**MCL**	**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		56		50		02/08/01 23:01	TP	561956
1,1,2,2-Tetrachloroethane	490		56		50		02/08/01 23:01	TP	561956
1,1,2-Trichloroethane	490		56		50		02/08/01 23:01	TP	561956
1,1-Dichloroethane	ND		56		50		02/08/01 23:01	TP	561956
1,1-Dichloroethene	480		56		50		02/08/01 23:01	TP	561956
1,2-Dichloroethane	ND		56		50		02/08/01 23:01	TP	561956
1,2-Dichloropropane	ND		56		50		02/08/01 23:01	TP	561956
2-Butanone	ND		2800		50		02/08/01 23:01	TP	561956
2-Hexanone	ND		2800		50		02/08/01 23:01	TP	561956
4-Methyl-2-pentanone	ND		2800		50		02/08/01 23:01	TP	561956
Acetone	ND		5600		50		02/08/01 23:01	TP	561956
Benzene	ND		56		50		02/08/01 23:01	TP	561956
Bromodichloromethane	ND		56		50		02/08/01 23:01	TP	561956
Bromoform	ND		56		50		02/08/01 23:01	TP	561956
Bromomethane	ND		56		50		02/08/01 23:01	TP	561956
Carbon disulfide	ND		280		50		02/08/01 23:01	TP	561956
Carbon tetrachloride	ND		56		50		02/08/01 23:01	TP	561956
Chlorobenzene	ND		56		50		02/08/01 23:01	TP	561956
Chloroethane	ND		560		50		02/08/01 23:01	TP	561956
Chloroform	ND		56		50		02/08/01 23:01	TP	561956
Chloromethane	ND		560		50		02/08/01 23:01	TP	561956
dibromochloromethane	ND		56		50		02/08/01 23:01	TP	561956
Ethylbenzene	ND		56		50		02/08/01 23:01	TP	561956
Methylene chloride	ND		280		50		02/08/01 23:01	TP	561956
Styrene	ND		56		50		02/08/01 23:01	TP	561956
Tetrachloroethene	640000		5600		5000		02/09/01 11:35	TP	562419
Toluene	ND		56		50		02/08/01 23:01	TP	561956
trans-1,3-Dichloropropene	ND		56		50		02/08/01 23:01	TP	561956
Trichloroethene	300000		5600		5000		02/09/01 11:35	TP	562419
Vinyl chloride	ND		56		50		02/08/01 23:01	TP	561956
cis-1,2-Dichloroethene	1300		56		50		02/08/01 23:01	TP	561956
cis-1,3-Dichloropropene	ND		56		50		02/08/01 23:01	TP	561956
trans-1,2-Dichloroethene	ND		56		50		02/08/01 23:01	TP	561956
Xylenes,Total	ND		170		50		02/08/01 23:01	TP	561956
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		5000		02/09/01 11:35	TP	562419
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/08/01 23:01	TP	561956
Surr: 4-Bromofluorobenzene	92.0	%	74-130		5000		02/09/01 11:35	TP	562419
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/08/01 23:01	TP	561956
Surr: Toluene-d8	96.0	%	80-140		5000		02/09/01 11:35	TP	562419
Surr: Toluene-d8	100	%	80-140		50		02/08/01 23:01	TP	561956

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 16 **Collected:** 2/1/01 3:00:00 P **SPL Sample ID:** 01020052-07

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			**MCL**		**D2216**	**Units: wt%**		
Percent Moisture	15.3	0		1		02/02/01 12:00	KM	553899

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 16 | Collected: 2/1/01 3:00:00 P | SPL Sample ID: 01020052-07

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			MCL	SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	390		1		02/06/01 12:24	S_G	558846
1,2-Dichlorobenzene	ND	59		1		02/06/01 12:24	S_G	558846
1,3-Dichlorobenzene	ND	59		1		02/06/01 12:24	S_G	558846
1,4-Dichlorobenzene	ND	59		1		02/06/01 12:24	S_G	558846
2,4,5-Trichlorophenol	ND	2000		1		02/06/01 12:24	S_G	558846
2,4,6-Trichlorophenol	ND	390		1		02/06/01 12:24	S_G	558846
2,4-Dichlorophenol	ND	390		1		02/06/01 12:24	S_G	558846
2,4-Dimethylphenol	ND	390		1		02/06/01 12:24	S_G	558846
2,4-Dinitrophenol	ND	2000		1		02/06/01 12:24	S_G	558846
2,4-Dinitrotoluene	ND	390		1		02/06/01 12:24	S_G	558846
2,6-Dinitrotoluene	ND	390		1		02/06/01 12:24	S_G	558846
2-Chloronaphthalene	ND	390		1		02/06/01 12:24	S_G	558846
2-Chlorophenol	ND	390		1		02/06/01 12:24	S_G	558846
2-Methylnaphthalene	ND	390		1		02/06/01 12:24	S_G	558846
2-Nitroaniline	ND	2000		1		02/06/01 12:24	S_G	558846
2-Nitrophenol	ND	2000		1		02/06/01 12:24	S_G	558846
3,3'-Dichlorobenzidine	ND	2400		1		02/06/01 12:24	S_G	558846
3-Nitroaniline	ND	2000		1		02/06/01 12:24	S_G	558846
4,6-Dinitro-2-methylphenol	ND	2000		1		02/06/01 12:24	S_G	558846
4-Bromophenyl phenyl ether	ND	390		1		02/06/01 12:24	S_G	558846
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 12:24	S_G	558846
4-Chloroaniline	ND	390		1		02/06/01 12:24	S_G	558846
4-Chlorophenyl phenyl ether	ND	390		1		02/06/01 12:24	S_G	558846
4-Nitroaniline	ND	2000		1		02/06/01 12:24	S_G	558846
4-Nitrophenol	ND	940		1		02/06/01 12:24	S_G	558846
Acenaphthene	ND	390		1		02/06/01 12:24	S_G	558846
Acenaphthylene	ND	390		1		02/06/01 12:24	S_G	558846
Anthracene	ND	390		1		02/06/01 12:24	S_G	558846
Benz(a)anthracene	ND	390		1		02/06/01 12:24	S_G	558846
Benzo(a)pyrene	ND	390		1		02/06/01 12:24	S_G	558846
Benzo(b)fluoranthene	ND	390		1		02/06/01 12:24	S_G	558846
Benzo(g,h,i)perylene	ND	390		1		02/06/01 12:24	S_G	558846
Benzo(k)fluoranthene	ND	390		1		02/06/01 12:24	S_G	558846
Bis(2-chloroethoxy)methane	ND	390		1		02/06/01 12:24	S_G	558846
Bis(2-chloroethyl)ether	ND	390		1		02/06/01 12:24	S_G	558846
Bis(2-chloroisopropyl)ether	ND	390		1		02/06/01 12:24	S_G	558846
Bis(2-ethylhexyl)phthalate	ND	390		1		02/06/01 12:24	S_G	558846
Butyl benzyl phthalate	ND	390		1		02/06/01 12:24	S_G	558846
Carbazole	ND	390		1		02/06/01 12:24	S_G	558846
Chrysene	ND	390		1		02/06/01 12:24	S_G	558846

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - *Analyte detected in the associated Method Blank*
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 16 **Collected:** 2/1/01 3:00:00 P **SPL Sample ID:** 01020052-07

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		390	1		02/06/01 12:24	S_G	558846
Di-n-octyl phthalate	ND		390	1		02/06/01 12:24	S_G	558846
Dibenz(a,h)anthracene	ND		390	1		02/06/01 12:24	S_G	558846
Dibenzofuran	ND		390	1		02/06/01 12:24	S_G	558846
Diethyl phthalate	ND		390	1		02/06/01 12:24	S_G	558846
Dimethyl phthalate	ND		390	1		02/06/01 12:24	S_G	558846
Fluoranthene	ND		390	1		02/06/01 12:24	S_G	558846
Fluorene	ND		390	1		02/06/01 12:24	S_G	558846
Hexachlorobenzene	ND		390	1		02/06/01 12:24	S_G	558846
Hexachlorobutadiene	ND		390	1		02/06/01 12:24	S_G	558846
Hexachlorocyclopentadiene	ND		390	1		02/06/01 12:24	S_G	558846
Hexachloroethane	ND		120	1		02/06/01 12:24	S_G	558846
Indeno(1,2,3-cd)pyrene	ND		390	1		02/06/01 12:24	S_G	558846
Isophorone	ND		390	1		02/06/01 12:24	S_G	558846
N-Nitrosodi-n-propylamine	ND		390	1		02/06/01 12:24	S_G	558846
N-Nitrosodiphenylamine	ND		390	1		02/06/01 12:24	S_G	558846
Naphthalene	ND		390	1		02/06/01 12:24	S_G	558846
Nitrobenzene	ND		390	1		02/06/01 12:24	S_G	558846
Pentachlorophenol	ND		4000	1		02/06/01 12:24	S_G	558846
Phenanthrene	ND		390	1		02/06/01 12:24	S_G	558846
Phenol	ND		390	1		02/06/01 12:24	S_G	558846
Pyrene	ND		390	1		02/06/01 12:24	S_G	558846
2-Methylphenol	ND		390	1		02/06/01 12:24	S_G	558846
3 & 4-Methylphenol	ND		390	1		02/06/01 12:24	S_G	558846
Surr: 2,4,6-Tribromophenol	96.0	%	19-122	1		02/06/01 12:24	S_G	558846
Surr: 2-Fluorobiphenyl	100	%	30-115	1		02/06/01 12:24	S_G	558846
Surr: 2-Fluorophenol	88.0	%	25-121	1		02/06/01 12:24	S_G	558846
Surr: Nitrobenzene-d5	94.1	%	23-120	1		02/06/01 12:24	S_G	558846
Surr: Phenol-d5	88.0	%	24-113	1		02/06/01 12:24	S_G	558846
Surr: Terphenyl-d14	100	%	18-137	1		02/06/01 12:24	S_G	558846

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 16 | Collected: 2/1/01 3:00:00 P | SPL Sample ID: 01020052-07

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		59		50		02/09/01 12:01	TP	562420
1,1,2,2-Tetrachloroethane	ND		59		50		02/09/01 12:01	TP	562420
1,1,2-Trichloroethane	ND		59		50		02/09/01 12:01	TP	562420
1,1-Dichloroethane	ND		59		50		02/09/01 12:01	TP	562420
1,1-Dichloroethene	ND		59		50		02/09/01 12:01	TP	562420
1,2-Dichloroethane	ND		59		50		02/09/01 12:01	TP	562420
1,2-Dichloropropane	ND		59		50		02/09/01 12:01	TP	562420
2-Butanone	ND		3000		50		02/09/01 12:01	TP	562420
2-Hexanone	ND		3000		50		02/09/01 12:01	TP	562420
4-Methyl-2-pentanone	ND		3000		50		02/09/01 12:01	TP	562420
Acetone	ND		5900		50		02/09/01 12:01	TP	562420
Benzene	ND		59		50		02/09/01 12:01	TP	562420
Bromodichloromethane	ND		59		50		02/09/01 12:01	TP	562420
Bromoform	ND		59		50		02/09/01 12:01	TP	562420
Bromomethane	ND		59		50		02/09/01 12:01	TP	562420
Carbon disulfide	ND		300		50		02/09/01 12:01	TP	562420
Carbon tetrachloride	ND		59		50		02/09/01 12:01	TP	562420
Chlorobenzene	ND		59		50		02/09/01 12:01	TP	562420
Chloroethane	ND		590		50		02/09/01 12:01	TP	562420
Chloroform	ND		59		50		02/09/01 12:01	TP	562420
Chloromethane	ND		590		50		02/09/01 12:01	TP	562420
dibromochloromethane	ND		59		50		02/09/01 12:01	TP	562420
Ethylbenzene	ND		59		50		02/09/01 12:01	TP	562420
Methylene chloride	ND		300		50		02/09/01 12:01	TP	562420
Styrene	ND		59		50		02/09/01 12:01	TP	562420
Tetrachloroethene	ND		59		50		02/09/01 12:01	TP	562420
Toluene	ND		59		50		02/09/01 12:01	TP	562420
trans-1,3-Dichloropropene	ND		59		50		02/09/01 12:01	TP	562420
Trichloroethene	ND		59		50		02/09/01 12:01	TP	562420
Vinyl chloride	ND		59		50		02/09/01 12:01	TP	562420
cis-1,2-Dichloroethene	130		59		50		02/09/01 12:01	TP	562420
cis-1,3-Dichloropropene	ND		59		50		02/09/01 12:01	TP	562420
trans-1,2-Dichloroethene	ND		59		50		02/09/01 12:01	TP	562420
Xylenes,Total	ND		180		50		02/09/01 12:01	TP	562420
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/09/01 12:01	TP	562420
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/09/01 12:01	TP	562420
Surr: Toluene-d8	96.0	%	80-140		50		02/09/01 12:01	TP	562420

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 17 **Collected:** 2/1/01 3:30:00 P **SPL Sample ID:** 01020052-08

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	10.3	0		1		02/02/01 12:00	KM	553891

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020101-DG 17 | Collected: 2/1/01 3:30:00 P | SPL Sample ID: 01020052-08

Site: #11676-10

Analytes/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	370		1		02/06/01 14:06	S_G	558849
1,2-Dichlorobenzene	ND	56		1		02/06/01 14:06	S_G	558849
1,3-Dichlorobenzene	ND	56		1		02/06/01 14:06	S_G	558849
1,4-Dichlorobenzene	ND	56		1		02/06/01 14:06	S_G	558849
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 14:06	S_G	558849
2,4,6-Trichlorophenol	ND	370		1		02/06/01 14:06	S_G	558849
2,4-Dichlorophenol	ND	370		1		02/06/01 14:06	S_G	558849
2,4-Dimethylphenol	ND	370		1		02/06/01 14:06	S_G	558849
2,4-Dinitrophenol	ND	1900		1		02/06/01 14:06	S_G	558849
2,4-Dinitrotoluene	ND	370		1		02/06/01 14:06	S_G	558849
2,6-Dinitrotoluene	ND	370		1		02/06/01 14:06	S_G	558849
2-Chloronaphthalene	ND	370		1		02/06/01 14:06	S_G	558849
2-Chlorophenol	ND	370		1		02/06/01 14:06	S_G	558849
2-Methylnaphthalene	ND	370		1		02/06/01 14:06	S_G	558849
2-Nitroaniline	ND	1900		1		02/06/01 14:06	S_G	558849
2-Nitrophenol	ND	1900		1		02/06/01 14:06	S_G	558849
3,3'-Dichlorobenzidine	ND	2200		1		02/06/01 14:06	S_G	558849
3-Nitroaniline	ND	1900		1		02/06/01 14:06	S_G	558849
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 14:06	S_G	558849
4-Bromophenyl phenyl ether	ND	370		1		02/06/01 14:06	S_G	558849
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 14:06	S_G	558849
4-Chloroaniline	ND	370		1		02/06/01 14:06	S_G	558849
4-Chlorophenyl phenyl ether	ND	370		1		02/06/01 14:06	S_G	558849
4-Nitroaniline	ND	1900		1		02/06/01 14:06	S_G	558849
4-Nitrophenol	ND	900		1		02/06/01 14:06	S_G	558849
Acenaphthene	ND	370		1		02/06/01 14:06	S_G	558849
Acenaphthylene	ND	370		1		02/06/01 14:06	S_G	558849
Anthracene	ND	370		1		02/06/01 14:06	S_G	558849
Benzo(a)anthracene	ND	370		1		02/06/01 14:06	S_G	558849
Benzo(a)pyrene	ND	370		1		02/06/01 14:06	S_G	558849
Benzo(b)fluoranthene	ND	370		1		02/06/01 14:06	S_G	558849
Benzo(g,h,i)perylene	ND	370		1		02/06/01 14:06	S_G	558849
Benzo(k)fluoranthene	ND	370		1		02/06/01 14:06	S_G	558849
Bis(2-chloroethoxy)methane	ND	370		1		02/06/01 14:06	S_G	558849
Bis(2-chloroethyl)ether	ND	370		1		02/06/01 14:06	S_G	558849
Bis(2-chloroisopropyl)ether	ND	370		1		02/06/01 14:06	S_G	558849
Bis(2-ethylhexyl)phthalate	ND	370		1		02/06/01 14:06	S_G	558849
Butyl benzyl phthalate	ND	370		1		02/06/01 14:06	S_G	558849
Carbazole	ND	370		1		02/06/01 14:06	S_G	558849
Chrysene	ND	370		1		02/06/01 14:06	S_G	558849

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 17 **Collected:** 2/1/01 3:30:00 P **SPL Sample ID:** 01020052-08

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/06/01 14:06	S_G	558849
Di-n-octyl phthalate	ND		370	1		02/06/01 14:06	S_G	558849
Dibenz(a,h)anthracene	ND		370	1		02/06/01 14:06	S_G	558849
Dibenzofuran	ND		370	1		02/06/01 14:06	S_G	558849
Diethyl phthalate	ND		370	1		02/06/01 14:06	S_G	558849
Dimethyl phthalate	ND		370	1		02/06/01 14:06	S_G	558849
Fluoranthene	ND		370	1		02/06/01 14:06	S_G	558849
Fluorene	ND		370	1		02/06/01 14:06	S_G	558849
Hexachlorobenzene	ND		370	1		02/06/01 14:06	S_G	558849
Hexachlorobutadiene	ND		370	1		02/06/01 14:06	S_G	558849
Hexachlorocyclopentadiene	ND		370	1		02/06/01 14:06	S_G	558849
Hexachloroethane	ND		110	1		02/06/01 14:06	S_G	558849
Indeno(1,2,3-cd)pyrene	ND		370	1		02/06/01 14:06	S_G	558849
Isophorone	ND		370	1		02/06/01 14:06	S_G	558849
N-Nitrosodi-n-propylamine	ND		370	1		02/06/01 14:06	S_G	558849
N-Nitrosodiphenylamine	ND		370	1		02/06/01 14:06	S_G	558849
Naphthalene	ND		370	1		02/06/01 14:06	S_G	558849
Nitrobenzene	ND		370	1		02/06/01 14:06	S_G	558849
Pentachlorophenol	ND		3800	1		02/06/01 14:06	S_G	558849
Phenanthrene	ND		370	1		02/06/01 14:06	S_G	558849
Phenol	ND		370	1		02/06/01 14:06	S_G	558849
Pyrene	ND		370	1		02/06/01 14:06	S_G	558849
2-Methylphenol	ND		370	1		02/06/01 14:06	S_G	558849
3 & 4-Methylphenol	ND		370	1		02/06/01 14:06	S_G	558849
Surr: 2,4,6-Tribromophenol	92.0	%	19-122	1		02/06/01 14:06	S_G	558849
Surr: 2-Fluorobiphenyl	106	%	30-115	1		02/06/01 14:06	S_G	558849
Surr: 2-Fluorophenol	88.0	%	25-121	1		02/06/01 14:06	S_G	558849
Surr: Nitrobenzene-d5	106	%	23-120	1		02/06/01 14:06	S_G	558849
Surr: Phenol-d5	88.0	%	24-113	1		02/06/01 14:06	S_G	558849
Surr: Terphenyl-d14	100	%	18-137	1		02/06/01 14:06	S_G	558849

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: S-11676-020101-DG 17 | Collected: 2/1/01 3:30:00 P | SPL Sample ID: 01020052-08

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/09/01 5:25	TP	562410
1,1,2,2-Tetrachloroethane	ND		56		50		02/09/01 5:25	TP	562410
1,1,2-Trichloroethane	ND		56		50		02/09/01 5:25	TP	562410
1,1-Dichloroethane	ND		56		50		02/09/01 5:25	TP	562410
1,1-Dichloroethene	ND		56		50		02/09/01 5:25	TP	562410
1,2-Dichloroethane	ND		56		50		02/09/01 5:25	TP	562410
1,2-Dichloropropane	ND		56		50		02/09/01 5:25	TP	562410
2-Butanone	ND		2800		50		02/09/01 5:25	TP	562410
2-Hexanone	ND		2800		50		02/09/01 5:25	TP	562410
4-Methyl-2-pentanone	ND		2800		50		02/09/01 5:25	TP	562410
Acetone	ND		5600		50		02/09/01 5:25	TP	562410
Benzene	ND		56		50		02/09/01 5:25	TP	562410
Bromodichloromethane	ND		56		50		02/09/01 5:25	TP	562410
Bromoform	ND		56		50		02/09/01 5:25	TP	562410
Bromomethane	ND		56		50		02/09/01 5:25	TP	562410
Carbon disulfide	ND		280		50		02/09/01 5:25	TP	562410
Carbon tetrachloride	ND		56		50		02/09/01 5:25	TP	562410
Chlorobenzene	310		56		50		02/09/01 5:25	TP	562410
Chloroethane	ND		560		50		02/09/01 5:25	TP	562410
Chloroform	ND		56		50		02/09/01 5:25	TP	562410
Chloromethane	ND		560		50		02/09/01 5:25	TP	562410
dibromochloromethane	ND		56		50		02/09/01 5:25	TP	562410
Ethylbenzene	ND		56		50		02/09/01 5:25	TP	562410
Methylene chloride	ND		280		50		02/09/01 5:25	TP	562410
Styrene	ND		56		50		02/09/01 5:25	TP	562410
Tetrachloroethene	120000		1100		1000		02/09/01 12:27	TP	562421
Toluene	ND		56		50		02/09/01 5:25	TP	562410
trans-1,3-Dichloropropene	ND		56		50		02/09/01 5:25	TP	562410
Trichloroethene	130000		1100		1000		02/09/01 12:27	TP	562421
Vinyl chloride	ND		56		50		02/09/01 5:25	TP	562410
cis-1,2-Dichloroethene	1200		56		50		02/09/01 5:25	TP	562410
cis-1,3-Dichloropropene	ND		56		50		02/09/01 5:25	TP	562410
trans-1,2-Dichloroethene	250		56		50		02/09/01 5:25	TP	562410
Xylenes,Total	ND		170		50		02/09/01 5:25	TP	562410
Surr: 1,2-Dichloroethane-d4	80.0	%	70-120		50		02/09/01 5:25	TP	562410
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		1000		02/09/01 12:27	TP	562421
Surr: 4-Bromofluorobenzene	92.0	%	74-130		1000		02/09/01 12:27	TP	562421
Surr: 4-Bromofluorobenzene	96.0	%	74-130		50		02/09/01 5:25	TP	562410
Surr: Toluene-d8	96.0	%	80-140		1000		02/09/01 12:27	TP	562421
Surr: Toluene-d8	96.0	%	80-140		50		02/09/01 5:25	TP	562410

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 18 **Collected:** 2/1/01 2:00:00 P **SPL Sample ID:** 01020052-09

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	11.1	0		1		02/02/01 12:00	KM	553900

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 18 | Collected: 2/1/01 2:00:00 P | SPL Sample ID: 01020052-09

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		02/06/01 15:15	S_G	559302
1,2-Dichlorobenzene	ND	56		1		02/06/01 15:15	S_G	559302
1,3-Dichlorobenzene	ND	56		1		02/06/01 15:15	S_G	559302
1,4-Dichlorobenzene	ND	56		1		02/06/01 15:15	S_G	559302
2,4,5-Trichlorophenol	ND	1900		1		02/06/01 15:15	S_G	559302
2,4,6-Trichlorophenol	ND	370		1		02/06/01 15:15	S_G	559302
2,4-Dichlorophenol	ND	370		1		02/06/01 15:15	S_G	559302
2,4-Dimethylphenol	ND	370		1		02/06/01 15:15	S_G	559302
2,4-Dinitrophenol	ND	1900		1		02/06/01 15:15	S_G	559302
2,4-Dinitrotoluene	ND	370		1		02/06/01 15:15	S_G	559302
2,6-Dinitrotoluene	ND	370		1		02/06/01 15:15	S_G	559302
2-Chloronaphthalene	ND	370		1		02/06/01 15:15	S_G	559302
2-Chlorophenol	ND	370		1		02/06/01 15:15	S_G	559302
2-Methylnaphthalene	ND	370		1		02/06/01 15:15	S_G	559302
2-Nitroaniline	ND	1900		1		02/06/01 15:15	S_G	559302
2-Nitrophenol	ND	1900		1		02/06/01 15:15	S_G	559302
3,3'-Dichlorobenzidine	ND	2200		1		02/06/01 15:15	S_G	559302
3-Nitroaniline	ND	1900		1		02/06/01 15:15	S_G	559302
4,6-Dinitro-2-methylphenol	ND	1900		1		02/06/01 15:15	S_G	559302
4-Bromophenyl phenyl ether	ND	370		1		02/06/01 15:15	S_G	559302
4-Chloro-3-methylphenol	ND	1500		1		02/06/01 15:15	S_G	559302
4-Chloroaniline	ND	370		1		02/06/01 15:15	S_G	559302
4-Chlorophenyl phenyl ether	ND	370		1		02/06/01 15:15	S_G	559302
4-Nitroaniline	ND	1900		1		02/06/01 15:15	S_G	559302
4-Nitrophenol	ND	900		1		02/06/01 15:15	S_G	559302
Acenaphthene	ND	370		1		02/06/01 15:15	S_G	559302
Acenaphthylene	ND	370		1		02/06/01 15:15	S_G	559302
Anthracene	ND	370		1		02/06/01 15:15	S_G	559302
Benz(a)anthracene	ND	370		1		02/06/01 15:15	S_G	559302
Benzo(a)pyrene	ND	370		1		02/06/01 15:15	S_G	559302
Benzo(b)fluoranthene	ND	370		1		02/06/01 15:15	S_G	559302
Benzo(g,h,i)perylene	ND	370		1		02/06/01 15:15	S_G	559302
Benzo(k)fluoranthene	ND	370		1		02/06/01 15:15	S_G	559302
Bis(2-chloroethoxy)methane	ND	370		1		02/06/01 15:15	S_G	559302
Bis(2-chloroethyl)ether	ND	370		1		02/06/01 15:15	S_G	559302
Bis(2-chloroisopropyl)ether	ND	370		1		02/06/01 15:15	S_G	559302
Bis(2-ethylhexyl)phthalate	ND	370		1		02/06/01 15:15	S_G	559302
Butyl benzyl phthalate	ND	370		1		02/06/01 15:15	S_G	559302
Carbazole	ND	370		1		02/06/01 15:15	S_G	559302
Chrysene	ND	370		1		02/06/01 15:15	S_G	559302

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 18 **Collected:** 2/1/01 2:00:00 P **SPL Sample ID:** 01020052-09

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		02/06/01 15:15	S_G	559302
Di-n-octyl phthalate	ND		370	1		02/06/01 15:15	S_G	559302
Dibenz(a,h)anthracene	ND		370	1		02/06/01 15:15	S_G	559302
Dibenzofuran	ND		370	1		02/06/01 15:15	S_G	559302
Diethyl phthalate	ND		370	1		02/06/01 15:15	S_G	559302
Dimethyl phthalate	ND		370	1		02/06/01 15:15	S_G	559302
Fluoranthene	ND		370	1		02/06/01 15:15	S_G	559302
Fluorene	ND		370	1		02/06/01 15:15	S_G	559302
Hexachlorobenzene	ND		370	1		02/06/01 15:15	S_G	559302
Hexachlorobutadiene	ND		370	1		02/06/01 15:15	S_G	559302
Hexachlorocyclopentadiene	ND		370	1		02/06/01 15:15	S_G	559302
Hexachloroethane	ND		110	1		02/06/01 15:15	S_G	559302
Indeno(1,2,3-cd)pyrene	ND		370	1		02/06/01 15:15	S_G	559302
Isophorone	ND		370	1		02/06/01 15:15	S_G	559302
N-Nitrosodi-n-propylamine	ND		370	1		02/06/01 15:15	S_G	559302
N-Nitrosodiphenylamine	ND		370	1		02/06/01 15:15	S_G	559302
Naphthalene	ND		370	1		02/06/01 15:15	S_G	559302
Nitrobenzene	ND		370	1		02/06/01 15:15	S_G	559302
Pentachlorophenol	ND		3800	1		02/06/01 15:15	S_G	559302
Phenanthrene	ND		370	1		02/06/01 15:15	S_G	559302
Phenol	ND		370	1		02/06/01 15:15	S_G	559302
Pyrene	ND		370	1		02/06/01 15:15	S_G	559302
2-Methylphenol	ND		370	1		02/06/01 15:15	S_G	559302
3 & 4-Methylphenol	ND		370	1		02/06/01 15:15	S_G	559302
Surr: 2,4,6-Tribromophenol	76.0	%	19-122	1		02/06/01 15:15	S_G	559302
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		02/06/01 15:15	S_G	559302
Surr: 2-Fluorophenol	68.0	%	25-121	1		02/06/01 15:15	S_G	559302
Surr: Nitrobenzene-d5	76.5	%	23-120	1		02/06/01 15:15	S_G	559302
Surr: Phenol-d5	68.0	%	24-113	1		02/06/01 15:15	S_G	559302
Surr: Terphenyl-d14	88.2	%	18-137	1		02/06/01 15:15	S_G	559302

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-020101-DG 18 **Collected:** 2/1/01 2:00:00 P **SPL Sample ID:** 01020052-09

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		02/09/01 7:10	TP	562414
1,1,2,2-Tetrachloroethane	ND		56		50		02/09/01 7:10	TP	562414
1,1,2-Trichloroethane	ND		56		50		02/09/01 7:10	TP	562414
1,1-Dichloroethane	ND		56		50		02/09/01 7:10	TP	562414
1,1-Dichloroethene	160		56		50		02/09/01 7:10	TP	562414
1,2-Dichloroethane	ND		56		50		02/09/01 7:10	TP	562414
1,2-Dichloropropane	ND		56		50		02/09/01 7:10	TP	562414
2-Butanone	ND		2800		50		02/09/01 7:10	TP	562414
2-Hexanone	ND		2800		50		02/09/01 7:10	TP	562414
4-Methyl-2-pentanone	ND		2800		50		02/09/01 7:10	TP	562414
Acetone	ND		5600		50		02/09/01 7:10	TP	562414
Benzene	ND		56		50		02/09/01 7:10	TP	562414
Bromodichloromethane	ND		56		50		02/09/01 7:10	TP	562414
Bromoform	ND		56		50		02/09/01 7:10	TP	562414
Bromomethane	ND		56		50		02/09/01 7:10	TP	562414
Carbon disulfide	ND		280		50		02/09/01 7:10	TP	562414
Carbon tetrachloride	ND		56		50		02/09/01 7:10	TP	562414
Chlorobenzene	ND		56		50		02/09/01 7:10	TP	562414
Chloroethane	ND		560		50		02/09/01 7:10	TP	562414
Chloroform	ND		56		50		02/09/01 7:10	TP	562414
Chloromethane	ND		560		50		02/09/01 7:10	TP	562414
dibromochloromethane	ND		56		50		02/09/01 7:10	TP	562414
Ethylbenzene	ND		56		50		02/09/01 7:10	TP	562414
Methylene chloride	ND		280		50		02/09/01 7:10	TP	562414
Styrene	ND		56		50		02/09/01 7:10	TP	562414
Tetrachloroethene	350		56		50		02/09/01 7:10	TP	562414
Toluene	ND		56		50		02/09/01 7:10	TP	562414
trans-1,3-Dichloropropene	ND		56		50		02/09/01 7:10	TP	562414
Trichloroethene	400		56		50		02/09/01 7:10	TP	562414
Vinyl chloride	360		56		50		02/09/01 7:10	TP	562414
cis-1,2-Dichloroethene	11000		56		50		02/09/01 7:10	TP	562414
cis-1,3-Dichloropropene	ND		56		50		02/09/01 7:10	TP	562414
trans-1,2-Dichloroethene	710		56		50		02/09/01 7:10	TP	562414
Xylenes, Total	ND		170		50		02/09/01 7:10	TP	562414
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/09/01 7:10	TP	562414
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		02/09/01 7:10	TP	562414
Surr: Toluene-d8	96.0	%	80-140		50		02/09/01 7:10	TP	562414

Qualifiers:

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MI - Matrix Interference

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(713) 660-0901

Client Sample ID S-11676-020101-DG 19 **Collected:** 2/1/01 2:30:00 P **SPL Sample ID:** 01020052-10

Site: #11676-10

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	Units: wt%		
Percent Moisture	13.6	0		1		02/02/01 12:00	KM	553901

Qualifiers:

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Client Sample ID S-11676-020101-DG 19 **Collected:** 2/1/01 2:30:00 P **SPL Sample ID:** 01020052-10

Site: #11676-10

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				SW8270C		Units: ug/Kg-dry		
1,2,4-Trichlorobenzene	ND	380		1		02/07/01 13:30	S_G	559338
1,2-Dichlorobenzene	ND	58		1		02/07/01 13:30	S_G	559338
1,3-Dichlorobenzene	ND	58		1		02/07/01 13:30	S_G	559338
1,4-Dichlorobenzene	ND	58		1		02/07/01 13:30	S_G	559338
2,4,5-Trichlorophenol	ND	2000		1		02/07/01 13:30	S_G	559338
2,4,6-Trichlorophenol	ND	380		1		02/07/01 13:30	S_G	559338
2,4-Dichlorophenol	ND	380		1		02/07/01 13:30	S_G	559338
2,4-Dimethylphenol	ND	380		1		02/07/01 13:30	S_G	559338
2,4-Dinitrophenol	ND	2000		1		02/07/01 13:30	S_G	559338
2,4-Dinitrotoluene	ND	380		1		02/07/01 13:30	S_G	559338
2,6-Dinitrotoluene	ND	380		1		02/07/01 13:30	S_G	559338
2-Chloronaphthalene	ND	380		1		02/07/01 13:30	S_G	559338
2-Chlorophenol	ND	380		1		02/07/01 13:30	S_G	559338
2-Methylnaphthalene	ND	380		1		02/07/01 13:30	S_G	559338
2-Nitroaniline	ND	2000		1		02/07/01 13:30	S_G	559338
2-Nitrophenol	ND	2000		1		02/07/01 13:30	S_G	559338
3,3'-Dichlorobenzidine	ND	2300		1		02/07/01 13:30	S_G	559338
3-Nitroaniline	ND	2000		1		02/07/01 13:30	S_G	559338
4,6-Dinitro-2-methylphenol	ND	2000		1		02/07/01 13:30	S_G	559338
4-Bromophenyl phenyl ether	ND	380		1		02/07/01 13:30	S_G	559338
4-Chloro-3-methylphenol	ND	1500		1		02/07/01 13:30	S_G	559338
4-Chloroaniline	ND	380		1		02/07/01 13:30	S_G	559338
4-Chlorophenyl phenyl ether	ND	380		1		02/07/01 13:30	S_G	559338
4-Nitroaniline	ND	2000		1		02/07/01 13:30	S_G	559338
4-Nitrophenol	ND	930		1		02/07/01 13:30	S_G	559338
Acenaphthene	ND	380		1		02/07/01 13:30	S_G	559338
Acenaphthylene	ND	380		1		02/07/01 13:30	S_G	559338
Anthracene	ND	380		1		02/07/01 13:30	S_G	559338
Benz(a)anthracene	ND	380		1		02/07/01 13:30	S_G	559338
Benzo(a)pyrene	ND	380		1		02/07/01 13:30	S_G	559338
Benzo(b)fluoranthene	ND	380		1		02/07/01 13:30	S_G	559338
Benzo(g,h,i)perylene	ND	380		1		02/07/01 13:30	S_G	559338
Benzo(k)fluoranthene	ND	380		1		02/07/01 13:30	S_G	559338
Bis(2-chloroethoxy)methane	ND	380		1		02/07/01 13:30	S_G	559338
Bis(2-chloroethyl)ether	ND	380		1		02/07/01 13:30	S_G	559338
Bis(2-chloroisopropyl)ether	ND	380		1		02/07/01 13:30	S_G	559338
Bis(2-ethylhexyl)phthalate	ND	380		1		02/07/01 13:30	S_G	559338
Butyl benzyl phthalate	ND	380		1		02/07/01 13:30	S_G	559338
Carbazole	ND	380		1		02/07/01 13:30	S_G	559338
Chrysene	ND	380		1		02/07/01 13:30	S_G	559338

Qualifiers:
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Client Sample ID S-11676-020101-DG 19 **Collected:** 2/1/01 2:30:00 P **SPL Sample ID:** 01020052-10

Site: #11676-10

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		02/07/01 13:30	S_G	559338
Di-n-octyl phthalate	ND		380	1		02/07/01 13:30	S_G	559338
Dibenz(a,h)anthracene	ND		380	1		02/07/01 13:30	S_G	559338
Dibenzofuran	ND		380	1		02/07/01 13:30	S_G	559338
Diethyl phthalate	ND		380	1		02/07/01 13:30	S_G	559338
Dimethyl phthalate	ND		380	1		02/07/01 13:30	S_G	559338
Fluoranthene	ND		380	1		02/07/01 13:30	S_G	559338
Fluorene	ND		380	1		02/07/01 13:30	S_G	559338
Hexachlorobenzene	ND		380	1		02/07/01 13:30	S_G	559338
Hexachlorobutadiene	ND		380	1		02/07/01 13:30	S_G	559338
Hexachlorocyclopentadiene	ND		380	1		02/07/01 13:30	S_G	559338
Hexachloroethane	ND		120	1		02/07/01 13:30	S_G	559338
Indeno(1,2,3-cd)pyrene	ND		380	1		02/07/01 13:30	S_G	559338
Isophorone	ND		380	1		02/07/01 13:30	S_G	559338
N-Nitrosodi-n-propylamine	ND		380	1		02/07/01 13:30	S_G	559338
N-Nitrosodiphenylamine	ND		380	1		02/07/01 13:30	S_G	559338
Naphthalene	ND		380	1		02/07/01 13:30	S_G	559338
Nitrobenzene	ND		380	1		02/07/01 13:30	S_G	559338
Pentachlorophenol	ND		3900	1		02/07/01 13:30	S_G	559338
Phenanthrene	ND		380	1		02/07/01 13:30	S_G	559338
Phenol	ND		380	1		02/07/01 13:30	S_G	559338
Pyrene	ND		380	1		02/07/01 13:30	S_G	559338
2-Methylphenol	ND		380	1		02/07/01 13:30	S_G	559338
3 & 4-Methylphenol	ND		380	1		02/07/01 13:30	S_G	559338
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		02/07/01 13:30	S_G	559338
Surr: 2-Fluorobiphenyl	100	%	30-115	1		02/07/01 13:30	S_G	559338
Surr: 2-Fluorophenol	80.0	%	25-121	1		02/07/01 13:30	S_G	559338
Surr: Nitrobenzene-d5	112	%	23-120	1		02/07/01 13:30	S_G	559338
Surr: Phenol-d5	76.0	%	24-113	1		02/07/01 13:30	S_G	559338
Surr: Terphenyl-d14	94.1	%	18-137	1		02/07/01 13:30	S_G	559338

Prep Method	Prep Date	Prep Initials
SW3550B	02/02/2001 13:47	J_L

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Client Sample ID S-11676-020101-DG 19 | Collected: 2/1/01 2:30:00 P | SPL Sample ID: 01020052-10

Site: #11676-10

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		58		50		02/09/01 7:37	TP	562415
1,1,2,2-Tetrachloroethane	ND		58		50		02/09/01 7:37	TP	562415
1,1,2-Trichloroethane	ND		58		50		02/09/01 7:37	TP	562415
1,1-Dichloroethane	ND		58		50		02/09/01 7:37	TP	562415
1,1-Dichloroethene	ND		58		50		02/09/01 7:37	TP	562415
1,2-Dichloroethane	ND		58		50		02/09/01 7:37	TP	562415
1,2-Dichloropropane	ND		58		50		02/09/01 7:37	TP	562415
2-Butanone	ND		2900		50		02/09/01 7:37	TP	562415
2-Hexanone	ND		2900		50		02/09/01 7:37	TP	562415
4-Methyl-2-pentanone	ND		2900		50		02/09/01 7:37	TP	562415
Acetone	ND		5800		50		02/09/01 7:37	TP	562415
Benzene	ND		58		50		02/09/01 7:37	TP	562415
Bromodichloromethane	ND		58		50		02/09/01 7:37	TP	562415
Bromoform	ND		58		50		02/09/01 7:37	TP	562415
Bromomethane	ND		58		50		02/09/01 7:37	TP	562415
Carbon disulfide	ND		290		50		02/09/01 7:37	TP	562415
Carbon tetrachloride	ND		58		50		02/09/01 7:37	TP	562415
Chlorobenzene	ND		58		50		02/09/01 7:37	TP	562415
Chloroethane	ND		580		50		02/09/01 7:37	TP	562415
Chloroform	ND		58		50		02/09/01 7:37	TP	562415
Chloromethane	ND		580		50		02/09/01 7:37	TP	562415
dibromochloromethane	ND		58		50		02/09/01 7:37	TP	562415
Ethylbenzene	ND		58		50		02/09/01 7:37	TP	562415
Methylene chloride	ND		290		50		02/09/01 7:37	TP	562415
Styrene	ND		58		50		02/09/01 7:37	TP	562415
Tetrachloroethene	2400		58		50		02/09/01 7:37	TP	562415
Toluene	ND		58		50		02/09/01 7:37	TP	562415
trans-1,3-Dichloropropene	ND		58		50		02/09/01 7:37	TP	562415
Trichloroethene	3600		58		50		02/09/01 7:37	TP	562415
Vinyl chloride	ND		58		50		02/09/01 7:37	TP	562415
cis-1,2-Dichloroethene	ND		58		50		02/09/01 7:37	TP	562415
cis-1,3-Dichloropropene	ND		58		50		02/09/01 7:37	TP	562415
trans-1,2-Dichloroethene	ND		58		50		02/09/01 7:37	TP	562415
Xylenes,Total	ND		170		50		02/09/01 7:37	TP	562415
Surr: 1,2-Dichloroethane-d4	76.0	%	70-120		50		02/09/01 7:37	TP	562415
Surr: 4-Bromofluorobenzene	96.0	%	74-130		50		02/09/01 7:37	TP	562415
Surr: Toluene-d8	96.0	%	80-140		50		02/09/01 7:37	TP	562415

Qualifiers:

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Quality Control Documentation

HOUSTON LABORATORY
6580 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C
WorkOrder: 01020052
Lab Batch ID: 10060

Method Blank

RunID: J_010205A-555638 Units: ug/Kg
Analysis Date: 02/05/2001 12:46 Analyst: S_G
Preparation Date: 02/02/2001 13:47 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020052-01B	S-11676-020101-DG 10
01020052-02B	S-11676-020101-DG 11
01020052-03B	S-11676-020101-DG 12
01020052-04B	S-11676-020101-DG 13
01020052-05B	S-11676-020101-DG 14
01020052-06B	S-11676-020101-DG 15
01020052-07B	S-11676-020101-DG 16
01020052-08B	S-11676-020101-DG 17
01020052-09B	S-11676-020101-DG 18
01020052-10B	S-11676-020101-DG 19

Qualifiers:
ND/J - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020052
Method: SW8270C **Lab Batch ID:** 10060

Method Blank

RunID: J_010205A-555638 Units: ug/Kg
Analysis Date: 02/05/2001 12:46 Analyst: S_G
Preparation Date: 02/02/2001 13:47 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	96.0	19-122
Surr: 2-Fluorobiphenyl	105.9	30-115
Surr: 2-Fluorophenol	104.0	25-121
Surr: Nitrobenzene-d5	117.6	23-120
Surr: Phenol-d5	92.0	24-113
Surr: Terphenyl-d14	111.8	18-137

Laboratory Control Sample (LCS)

RunID: J_010205A-555639 Units: ug/Kg
Analysis Date: 02/05/2001 13:20 Analyst: S_G
Preparation Date: 02/02/2001 13:47 Prep By: J_L Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	3400	1400	41	39	110
1,4-Dichlorobenzene	3400	1500	44	36	110
2,4-Dinitrotoluene	3400	1900	56	50	150
2-Chlorophenol	5000	2600	52	27	123
4-Chloro-3-methylphenol	5000	2900	58	23	110
4-Nitrophenol	5000	5400	108	25	150
Acenaphthene	3400	1600	47	46	125
N-Nitrosodi-n-propylamine	3400	2000	59	41	116
Pentachlorophenol	5000	2300	46	9	125
Phenol	5000	2200	44	12	110
Pyrene	3400	2200	65	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:
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MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01020052
Method: SW8270C **Lab Batch ID:** 10060

Sample Spiked: 01020052-08
RunID: J_010206A-558850 Units: ug/Kg-dry
Analysis Date: 02/06/2001 14:41 Analyst: S_G
Preparation Date: 02/02/2001 13:47 Prep By: J_L Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1910	1600	82	1910	1600	82	0	28	39	110
1,4-Dichlorobenzene	ND	1910	1600	82	1910	1600	82	0	28	36	110
2,4-Dinitrotoluene	ND	1910	1900	100	1910	1900	100	0	50	50	150
2-Chlorophenol	ND	2810	2600	92	2810	2500	88	4	40	27	123
4-Chloro-3-methylphenol	ND	2810	3000	108	2810	2900	104	4	42	23	110
4-Nitrophenol	ND	2810	5600	200 *	2810	5800	208 *	4	50	25	150
Acenaphthene	ND	1910	1700	88	1910	1700	88	0	31	46	125
N-Nitrosodi-n-propylamine	ND	1910	2000	106	1910	2000	106	0	38	41	116
Pentachlorophenol	ND	2810	1700	60	2810	1800	64	6	50	9	125
Phenol	ND	2810	2400	84	2810	2100	76	10	42	12	110
Pyrene	ND	1910	2100	112	1910	2200	118	5	31	26	127

iers:
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MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020052
Method: SW8260B **Lab Batch ID:** R29327

Method Blank

RunID: K_010207C-561905 Units: ug/Kg
Analysis Date: 02/08/2001 1:35 Analyst: TP

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
01020052-01A	S-11676-020101-DG 10
01020052-02A	S-11676-020101-DG 11

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	76.0	70-120
Surr: 4-Bromofluorobenzene	92.0	74-130
Surr: Toluene-d8	96.0	80-140

Laboratory Control Sample (LCS)

RunID: K_010207C-565621 Units: ug/L
Analysis Date: 02/08/2001 0:43 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	60	120	61	145
Benzene	50	54	108	76	127
Chlorobenzene	50	53	106	75	130

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020052
Method: SW8260B **Lab Batch ID:** R29327

Laboratory Control Sample (LCS)

RunID: K_010207C-565621 Units: ug/L
Analysis Date: 02/08/2001 0:43 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Toluene	50	56	112	76	125
Trichloroethene	50	56	112	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01020104-10
RunID: K_010207C-561907 Units: ug/Kg-dry
Analysis Date: 02/08/2001 9:30 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2810	3400	120	2810	3900	140	15	22	59	172
Benzene	ND	2810	2500	88	2810	2900	104	17	21	66	142
Chlorobenzene	ND	2810	2500	88	2810	2900	104	17	21	60	133
Toluene	ND	2810	2600	92	2810	3000	108	16	21	59	139
Trichloroethene	63000	2810	250000	6560 *	2810	260000	6960 *	6	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit; MI - Matrix Interference
B - Analyte detected in the associated Method Blank; D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL; * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020052
Method: SW8260B **Lab Batch ID:** R29330

Method Blank

RunID: K_010208A-561939 Units: ug/Kg
Analysis Date: 02/08/2001 15:16 Analyst: TP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020052-03A	S-11676-020101-DG 12
01020052-05A	S-11676-020101-DG 14
01020052-06A	S-11676-020101-DG 15

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	76.0	70-120
Surr: 4-Bromofluorobenzene	96.0	74-130
Surr: Toluene-d8	96.0	80-140

Laboratory Control Sample (LCS)

RunID: K_010208A-561938 Units: ug/L
Analysis Date: 02/08/2001 14:50 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	64	128	61	145
Benzene	50	53	106	76	127
Chlorobenzene	50	50	100	75	130

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: *Volatile Organics by Method 8260B* **WorkOrder:** 01020052
Method: SW8260B **Lab Batch ID:** R29330

Laboratory Control Sample (LCS)

RunID: K_010208A-561938 Units: ug/L
Analysis Date: 02/08/2001 14:50 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Toluene	50	52	104	76	125
Trichloroethene	50	55	110	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01020104-03
RunID: K_010208A-561941 Units: ug/Kg-dry
Analysis Date: 02/08/2001 19:08 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2870	3400	120	2870	3400	120	0	22	59	172
Benzene	ND	2870	3100	108	2870	3100	108	0	21	66	142
Chlorobenzene	ND	2870	3000	104	2870	3000	104	0	21	60	133
Toluene	ND	2870	3100	108	2870	3100	108	0	21	59	139
Trichloroethene	ND	2870	3100	108	2870	3100	108	0	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit; MI - Matrix Interference
B - Analyte detected in the associated Method Blank; D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL; * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020052
Method: SW8260B **Lab Batch ID:** R29357

Method Blank

RunID: K_010208C-562407 Units: ug/Kg
Analysis Date: 02/09/2001 3:41 Analyst: TP

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	80.0	70-120
Surr: 4-Bromofluorobenzene	94.4	74-130
Surr: Toluene-d8	97.6	80-140

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020052-01A	S-11676-020101-DG 10
01020052-02A	S-11676-020101-DG 11
01020052-04A	S-11676-020101-DG 13
01020052-05A	S-11676-020101-DG 14
01020052-06A	S-11676-020101-DG 15
01020052-07A	S-11676-020101-DG 16
01020052-08A	S-11676-020101-DG 17
01020052-09A	S-11676-020101-DG 18
01020052-10A	S-11676-020101-DG 19

Laboratory Control Sample (LCS)

RunID: K_010208C-562406 Units: ug/L
Analysis Date: 02/09/2001 3:15 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	54	108	61	145

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020052
Method: SW8260B **Lab Batch ID:** R29357

Laboratory Control Sample (LCS)

RunID: K_010208C-562406 Units: ug/L
Analysis Date: 02/09/2001 3:15 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	49	98	76	127
Chlorobenzene	50	47	94	75	130
Toluene	50	48	96	76	125
Trichloroethene	50	50	100	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01020052-08
RunID: K_010208C-562411 Units: ug/Kg-dry
Analysis Date: 02/09/2001 5:51 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2810	3000	108	2810	3300	116	7	22	59	172
Benzene	ND	2810	2500	88	2810	2700	96	9	21	66	142
Chlorobenzene	310	2810	2800	89	2810	2900	93	4	21	60	133
Toluene	ND	2810	2600	92	2810	2700	96	4	21	59	139
Trichloroethene	120000	2810	110000	-400 *	2810	120000	0 *	200 *	24	62	137

Qualifiers: *ND/U - Not Detected at the Reporting Limit* *MI - Matrix Interference*
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01020052
Method: SW8260B **Lab Batch ID:** R29366

Method Blank

RunID: Q_010209A-565392 Units: ug/Kg
Analysis Date: 02/09/2001 13:51 Analyst: JC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020052-03A	S-11676-020101-DG 12

Analyte	Result	Rep Limit
Tetrachloroethene	ND	1.0
Trichloroethene	ND	1.0
Surr: 1,2-Dichloroethane-d4	105.6	70-120
Surr: 4-Bromofluorobenzene	104.0	74-130
Surr: Toluene-d8	100.8	80-140

Laboratory Control Sample (LCS)

RunID: Q_010209A-565391 Units: ug/L
Analysis Date: 02/09/2001 13:24 Analyst: JC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	51	102	61	145
Benzene	50	53	106	76	127
Chlorobenzene	50	48	96	75	130
Toluene	50	49	98	76	125
Trichloroethene	50	46	92	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01020052-08
RunID: Q_010209A-565387 Units: ug/Kg-dry
Analysis Date: 02/09/2001 5:51 Analyst: JC

Analyte	*Sample Result*	*MS Spike Added*	*MS Result*	*MS % Recovery*	*MSD Spike Added*	*MSD Result*	*MSD % Recovery*	*RPD*	*RPD Limit*	*Low Limit*	*High Limit*
1,1-Dichloroethene	ND	2810	3000	108	2810	3300	116	7	22	59	172
Benzene	ND	2810	2500	88	2810	2700	96	9	21	66	142
Chlorobenzene	310	2810	2800	89	2810	2900	93	4	21	60	133
Toluene	ND	2810	2600	92	2810	2700	96	4	21	59	139
Trichloroethene	120000	2810	110000	-400 *	2810	120000	0 *	200 *	24	62	137

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10

Analysis: PERCENT MOISTURE
Method: D2216
WorkOrder: 01020052
Lab Batch ID: R28946

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01020052-01B	S-11676-020101-DG 10
01020052-02B	S-11676-020101-DG 11
01020052-03B	S-11676-020101-DG 12
01020052-04B	S-11676-020101-DG 13
01020052-05B	S-11676-020101-DG 14
01020052-06B	S-11676-020101-DG 15
01020052-07B	S-11676-020101-DG 16
01020052-08B	S-11676-020101-DG 17
01020052-09B	S-11676-020101-DG 18
01020052-10B	S-11676-020101-DG 19

Sample Duplicate

Original Sample: 01020052-08
RunID: WET_010202J-553891 Units: wt%
Analysis Date: 02/02/2001 12:00 Analyst: KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	10.3	11.1	7	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist
And
Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01020052	Received by:	Estrada, Ruben
Date and Time Received:	2/2/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	4		

Shipping container/cooler in good condition?	Yes	☑	No ☐	Not Present	☐
Custody seals intact on shippping container/cooler?	Yes	☑	No ☐	Not Present	☐
Custody seals intact on sample bottles?	Yes	☐	No ☐	Not Present	☑
Chain of custody present?	Yes	☑	No ☐		
Chain of custody signed when relinquished and received?	Yes	☑	No ☐		
Chain of custody agrees with sample labels?	Yes	☑	No ☐		
Samples in proper container/bottle?	Yes	☑	No ☐		
Sample containers intact?	Yes	☑	No ☐		
Sufficient sample volume for indicated test?	Yes	☑	No ☐		
All samples received within holding time?	Yes	☑	No ☐		
Container/Temp Blank temperature in compliance?	Yes	☑	No ☐		
Water - VOA vials have zero headspace?	Yes	☐	No ☐	Not Present	☑
Water - pH acceptable upon receipt?	Yes	☐	No ☑		

CHAIN OF CUSTODY RECORD 01020052

CRA
CONESTOGA-ROVERS & ASSOCIATES
651 Colby Drive
Waterloo, Ont. N2V 1C2 (519)884-0510

SHIPPED TO (Laboratory Name): SPL- Houston

REFERENCE NUMBER: 11676-10

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: David Gray

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: TCL VOCs	PARAMETERS: TCL SVOC	REMARKS
	02/01/01	9:50	S-11676-020101-DG10	Soil	4	X	X	24 HR TURNAROUND
	02/01/01	9:51	S-11676-020101-DG11	Soil	4	X	X	" "
	02/01/01	10:30	S-11676-020101-DG12	Soil	4	X	X	" "
	02/01/01	10:45	S-11676-020101-DG13	Soil	4	X	X	" "
	02/01/01	11:30	S-11676-020101-DG14	Soil	4	X	X	" "
	02/01/01	12:30	S-11676-020101-DG15	Soil	4	X	X	" "
	02/01/01	15:00	S-11676-020101-DG16	Soil	4	X	X	" "
	02/01/01	15:30	S-11676-020101-DG17	Soil	4	X	X	" "
	02/01/01	15:30	S-11676-020101-DG17 MS	Soil	4	X	X	" "
	02/01/01	15:30	S-11676-020101-DG17 MSD	Soil	4	X	X	" "
	02/01/01	14:00	S-11676-020101-DG18	Soil	4	X	X	" "
	02/01/01	14:30	S-11676-020101-DG19	Soil	4	X	X	" "

RUSH

TOTAL NUMBER OF CONTAINERS: 48 HEALTH/CHEMICAL HAZARDS:

RELINQUISHED BY: ① [signature]	DATE: 02/01/01 TIME: 18:15	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FEDEX WAY BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: GRAY

RECEIVED FOR LABORATORY BY: [signature]
DATE 2/2/01 TIME: 1000

No. 1[illegible] 4c

1001 JULY 19/93 REVISED (5 of 10)

11676
SR
26 Feb 01

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
Conestoga-Rovers & Associates

Certificate of Analysis Number:
01010849

Report To:

Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Project Name:	#11676-10 DNAPL
Site:	#11676-10 DNAPL
Site Address:	
PO Number:	40-013971-0
State:	Michigan
State Cert. No.:	
Date Reported:	2/13/01

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "S-11676-013001-DG-02" (SPL ID:01010849-02) was randomly selected for use in SPL's quality control program for the Semivolatile Organics analysis by SW846 Method SW8260B. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Trichloloethene (Batch ID:R28763) due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

ORIGINAL ANALYTICAL REPORT
Project#: 11676-10 **Lab#:** 01010849
Name: Fields Brook
Description
Event: DNAPL
Samples: 3 Soil (1/30/01)
Analysis: VOC, SVOC

SDG: 6

TAT: 3 day met
Lab: SPL
Checked Against Preliminary Data:
Date: 2/16/01 **Init.:** [illegible]
Date of Validation Memo: 2/13/01
Invoice Approval Date: Date
Comments:

Sonia West
West, Sonia
Senior Project Manager

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Conestoga-Rovers & Associates

Certificate of Analysis Number:

01010849

Report To: Conestoga-Rovers & Associates
Paul Wiseman
11100 Metro Airport Center Drive
Suite 160
Romulus
MI
48174-
ph: (734) 942-0909 fax: (734) 942-3080

Fax To: Conestoga-Rovers & Associates
Jeff Daniels fax : (519) 884-0525
Conestoga-Rovers & Associates
Paul Wiseman fax : (734) 942-3080

Project Name: #11676-10 DNAPL
Site: #11676-10 DNAPL
Site Address:

PO Number: 40-013971-0
State: Michigan
State Cert. No.:
Date Reported: 2/13/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-11676-013001-DG-01	01010849-01	Soil	1/30/01 3:30:00 PM	1/31/01 10:00:00 AM	16385	☐
S-11676-013001-DG-02	01010849-02	Soil	1/30/01 4:30:00 PM	1/31/01 10:00:00 AM	16385	☐
S-11676-013001-DG-03	01010849-03	Soil	1/30/01 5:10:00 PM	1/31/01 10:00:00 AM	16385	☐

West Sonia
Senior Project Manager

2/13/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-01 **Collected:** 1/30/01 3:30:00 **SPL Sample ID:** 01010849-01

Site: #11676-10 DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL		D2216	Units: wt%		
Percent Moisture	11.4	0		1		02/01/01 16:00	KM	552559

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-01 | Collected: 1/30/01 3:30:00 | SPL Sample ID: 01010849-01

Site: #11676-10 DNAPL

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		01/31/01 19:52	P_C	551823
1,2-Dichlorobenzene	ND	56		1		01/31/01 19:52	P_C	551823
1,3-Dichlorobenzene	ND	56		1		01/31/01 19:52	P_C	551823
1,4-Dichlorobenzene	ND	56		1		01/31/01 19:52	P_C	551823
2,4,5-Trichlorophenol	ND	1900		1		01/31/01 19:52	P_C	551823
2,4,6-Trichlorophenol	ND	370		1		01/31/01 19:52	P_C	551823
2,4-Dichlorophenol	ND	370		1		01/31/01 19:52	P_C	551823
2,4-Dimethylphenol	ND	370		1		01/31/01 19:52	P_C	551823
2,4-Dinitrophenol	ND	1900		1		01/31/01 19:52	P_C	551823
2,4-Dinitrotoluene	ND	370		1		01/31/01 19:52	P_C	551823
2,6-Dinitrotoluene	ND	370		1		01/31/01 19:52	P_C	551823
2-Chloronaphthalene	ND	370		1		01/31/01 19:52	P_C	551823
2-Chlorophenol	ND	370		1		01/31/01 19:52	P_C	551823
2-Methylnaphthalene	ND	370		1		01/31/01 19:52	P_C	551823
2-Nitroaniline	ND	1900		1		01/31/01 19:52	P_C	551823
2-Nitrophenol	ND	1900		1		01/31/01 19:52	P_C	551823
3,3'-Dichlorobenzidine	ND	2300		1		01/31/01 19:52	P_C	551823
3-Nitroaniline	ND	1900		1		01/31/01 19:52	P_C	551823
4,6-Dinitro-2-methylphenol	ND	1900		1		01/31/01 19:52	P_C	551823
4-Bromophenyl phenyl ether	ND	370		1		01/31/01 19:52	P_C	551823
4-Chloro-3-methylphenol	ND	1500		1		01/31/01 19:52	P_C	551823
4-Chloroaniline	ND	370		1		01/31/01 19:52	P_C	551823
4-Chlorophenyl phenyl ether	ND	370		1		01/31/01 19:52	P_C	551823
4-Nitroaniline	ND	1900		1		01/31/01 19:52	P_C	551823
4-Nitrophenol	ND	900		1		01/31/01 19:52	P_C	551823
Acenaphthene	ND	370		1		01/31/01 19:52	P_C	551823
Acenaphthylene	ND	370		1		01/31/01 19:52	P_C	551823
Anthracene	ND	370		1		01/31/01 19:52	P_C	551823
Benz(a)anthracene	ND	370		1		01/31/01 19:52	P_C	551823
Benzo(a)pyrene	ND	370		1		01/31/01 19:52	P_C	551823
Benzo(b)fluoranthene	ND	370		1		01/31/01 19:52	P_C	551823
Benzo(g,h,i)perylene	ND	370		1		01/31/01 19:52	P_C	551823
Benzo(k)fluoranthene	ND	370		1		01/31/01 19:52	P_C	551823
Bis(2-chloroethoxy)methane	ND	370		1		01/31/01 19:52	P_C	551823
Bis(2-chloroethyl)ether	ND	370		1		01/31/01 19:52	P_C	551823
Bis(2-chloroisopropyl)ether	ND	370		1		01/31/01 19:52	P_C	551823
Bis(2-ethylhexyl)phthalate	ND	370		1		01/31/01 19:52	P_C	551823
Butyl benzyl phthalate	ND	370		1		01/31/01 19:52	P_C	551823
Carbazole	ND	370		1		01/31/01 19:52	P_C	551823
Chrysene	ND	370		1		01/31/01 19:52	P_C	551823

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-01 **Collected:** 1/30/01 3:30:00 **SPL Sample ID:** 01010849-01

Site: #11676-10 DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		01/31/01 19:52	P_C	551823
Di-n-octyl phthalate	ND		370	1		01/31/01 19:52	P_C	551823
Dibenz(a,h)anthracene	ND		370	1		01/31/01 19:52	P_C	551823
Dibenzofuran	ND		370	1		01/31/01 19:52	P_C	551823
Diethyl phthalate	ND		370	1		01/31/01 19:52	P_C	551823
Dimethyl phthalate	ND		370	1		01/31/01 19:52	P_C	551823
Fluoranthene	ND		370	1		01/31/01 19:52	P_C	551823
Fluorene	ND		370	1		01/31/01 19:52	P_C	551823
Hexachlorobenzene	ND		370	1		01/31/01 19:52	P_C	551823
Hexachlorobutadiene	ND		370	1		01/31/01 19:52	P_C	551823
Hexachlorocyclopentadiene	ND		370	1		01/31/01 19:52	P_C	551823
Hexachloroethane	ND		110	1		01/31/01 19:52	P_C	551823
Indeno(1,2,3-cd)pyrene	ND		370	1		01/31/01 19:52	P_C	551823
Isophorone	ND		370	1		01/31/01 19:52	P_C	551823
N-Nitrosodi-n-propylamine	ND		370	1		01/31/01 19:52	P_C	551823
N-Nitrosodiphenylamine	ND		370	1		01/31/01 19:52	P_C	551823
Naphthalene	ND		370	1		01/31/01 19:52	P_C	551823
Nitrobenzene	ND		370	1		01/31/01 19:52	P_C	551823
Pentachlorophenol	ND		3800	1		01/31/01 19:52	P_C	551823
Phenanthrene	ND		370	1		01/31/01 19:52	P_C	551823
Phenol	ND		370	1		01/31/01 19:52	P_C	551823
Pyrene	ND		370	1		01/31/01 19:52	P_C	551823
2-Methylphenol	ND		370	1		01/31/01 19:52	P_C	551823
3 & 4-Methylphenol	ND		370	1		01/31/01 19:52	P_C	551823
Surr: 2,4,6-Tribromophenol	72.0	%	19-122	1		01/31/01 19:52	P_C	551823
Surr: 2-Fluorobiphenyl	58.8	%	30-115	1		01/31/01 19:52	P_C	551823
Surr: 2-Fluorophenol	52.0	%	25-121	1		01/31/01 19:52	P_C	551823
Surr: Nitrobenzene-d5	48.2	%	23-120	1		01/31/01 19:52	P_C	551823
Surr: Phenol-d5	48.0	%	24-113	1		01/31/01 19:52	P_C	551823
Surr: Terphenyl-d14	82.4	%	18-137	1		01/31/01 19:52	P_C	551823

Prep Method	Prep Date	Prep Initials
SW3550B	01/31/2001 10:44	J_L

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-01 | Collected: 1/30/01 3:30:00 | SPL Sample ID: 01010849-01

Site: #11676-10 DNAPL

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					SW8260B		Units: ug/Kg-dry		
1,1,1-Trichloroethane	ND		56		50		01/31/01 13:34	TP	551878
1,1,2,2-Tetrachloroethane	ND		56		50		01/31/01 13:34	TP	551878
1,1,2-Trichloroethane	ND		56		50		01/31/01 13:34	TP	551878
1,1-Dichloroethane	ND		56		50		01/31/01 13:34	TP	551878
1,1-Dichloroethene	ND		56		50		01/31/01 13:34	TP	551878
1,2-Dichloroethane	ND		56		50		01/31/01 13:34	TP	551878
1,2-Dichloropropane	ND		56		50		01/31/01 13:34	TP	551878
2-Butanone	ND		2800		50		01/31/01 13:34	TP	551878
2-Hexanone	ND		2800		50		01/31/01 13:34	TP	551878
4-Methyl-2-pentanone	ND		2800		50		01/31/01 13:34	TP	551878
Acetone	ND		5600		50		01/31/01 13:34	TP	551878
Benzene	ND		56		50		01/31/01 13:34	TP	551878
Bromodichloromethane	ND		56		50		01/31/01 13:34	TP	551878
Bromoform	ND		56		50		01/31/01 13:34	TP	551878
Bromomethane	ND		56		50		01/31/01 13:34	TP	551878
Carbon disulfide	ND		280		50		01/31/01 13:34	TP	551878
Carbon tetrachloride	ND		56		50		01/31/01 13:34	TP	551878
Chlorobenzene	ND		56		50		01/31/01 13:34	TP	551878
Chloroethane	ND		560		50		01/31/01 13:34	TP	551878
Chloroform	ND		56		50		01/31/01 13:34	TP	551878
Chloromethane	ND		560		50		01/31/01 13:34	TP	551878
dibromochloromethane	ND		56		50		01/31/01 13:34	TP	551878
Ethylbenzene	ND		56		50		01/31/01 13:34	TP	551878
Methylene chloride	ND		280		50		01/31/01 13:34	TP	551878
Styrene	ND		56		50		01/31/01 13:34	TP	551878
Tetrachloroethene	110		56		50		01/31/01 13:34	TP	551878
Toluene	ND		56		50		01/31/01 13:34	TP	551878
trans-1,3-Dichloropropene	ND		56		50		01/31/01 13:34	TP	551878
Trichloroethene	120		56		50		01/31/01 13:34	TP	551878
Vinyl chloride	ND		56		50		01/31/01 13:34	TP	551878
cis-1,2-Dichloroethene	ND		56		50		01/31/01 13:34	TP	551878
cis-1,3-Dichloropropene	ND		56		50		01/31/01 13:34	TP	551878
trans-1,2-Dichloroethene	ND		56		50		01/31/01 13:34	TP	551878
Xylenes,Total	ND		170		50		01/31/01 13:34	TP	551878
Surr: 1,2-Dichloroethane-d4	88.0	%	70-120		50		01/31/01 13:34	TP	551878
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		01/31/01 13:34	TP	551878
Surr: Toluene-d8	96.0	%	80-140		50		01/31/01 13:34	TP	551878

Qualifiers:

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MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-02 **Collected:** 1/30/01 4:30:00 **SPL Sample ID:** 01010849-02

Site: #11676-10 DNAPL

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE				D2216		**Units: wt%**		
Percent Moisture	12.6	0		1		02/01/01 16:00	KM	552560

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-02 | Collected: 1/30/01 4:30:00 | SPL Sample ID: 01010849-02

Site: #11676-10 DNAPL

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	420	380		1		01/31/01 22:00	P_C	551826
1,2-Dichlorobenzene	1300	57		1		01/31/01 22:00	P_C	551826
1,3-Dichlorobenzene	ND	57		1		01/31/01 22:00	P_C	551826
1,4-Dichlorobenzene	ND	57		1		01/31/01 22:00	P_C	551826
2,4,5-Trichlorophenol	ND	1900		1		01/31/01 22:00	P_C	551826
2,4,6-Trichlorophenol	ND	380		1		01/31/01 22:00	P_C	551826
2,4-Dichlorophenol	ND	380		1		01/31/01 22:00	P_C	551826
2,4-Dimethylphenol	ND	380		1		01/31/01 22:00	P_C	551826
2,4-Dinitrophenol	ND	1900		1		01/31/01 22:00	P_C	551826
2,4-Dinitrotoluene	ND	380		1		01/31/01 22:00	P_C	551826
2,6-Dinitrotoluene	ND	380		1		01/31/01 22:00	P_C	551826
2-Chloronaphthalene	ND	380		1		01/31/01 22:00	P_C	551826
2-Chlorophenol	ND	380		1		01/31/01 22:00	P_C	551826
2-Methylnaphthalene	ND	380		1		01/31/01 22:00	P_C	551826
2-Nitroaniline	ND	1900		1		01/31/01 22:00	P_C	551826
2-Nitrophenol	ND	1900		1		01/31/01 22:00	P_C	551826
3,3'-Dichlorobenzidine	ND	2300		1		01/31/01 22:00	P_C	551826
3-Nitroaniline	ND	1900		1		01/31/01 22:00	P_C	551826
4,6-Dinitro-2-methylphenol	ND	1900		1		01/31/01 22:00	P_C	551826
4-Bromophenyl phenyl ether	ND	380		1		01/31/01 22:00	P_C	551826
4-Chloro-3-methylphenol	ND	1500		1		01/31/01 22:00	P_C	551826
4-Chloroaniline	ND	380		1		01/31/01 22:00	P_C	551826
4-Chlorophenyl phenyl ether	ND	380		1		01/31/01 22:00	P_C	551826
4-Nitroaniline	ND	1900		1		01/31/01 22:00	P_C	551826
4-Nitrophenol	ND	920		1		01/31/01 22:00	P_C	551826
Acenaphthene	ND	380		1		01/31/01 22:00	P_C	551826
Acenaphthylene	ND	380		1		01/31/01 22:00	P_C	551826
Anthracene	ND	380		1		01/31/01 22:00	P_C	551826
Benz(a)anthracene	ND	380		1		01/31/01 22:00	P_C	551826
Benzo(a)pyrene	ND	380		1		01/31/01 22:00	P_C	551826
Benzo(b)fluoranthene	ND	380		1		01/31/01 22:00	P_C	551826
Benzo(g,h,i)perylene	ND	380		1		01/31/01 22:00	P_C	551826
Benzo(k)fluoranthene	ND	380		1		01/31/01 22:00	P_C	551826
Bis(2-chloroethoxy)methane	ND	380		1		01/31/01 22:00	P_C	551826
Bis(2-chloroethyl)ether	ND	380		1		01/31/01 22:00	P_C	551826
Bis(2-chloroisopropyl)ether	ND	380		1		01/31/01 22:00	P_C	551826
Bis(2-ethylhexyl)phthalate	ND	380		1		01/31/01 22:00	P_C	551826
Butyl benzyl phthalate	ND	380		1		01/31/01 22:00	P_C	551826
Carbazole	ND	380		1		01/31/01 22:00	P_C	551826
Chrysene	ND	380		1		01/31/01 22:00	P_C	551826

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
6580 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-02 **Collected:** 1/30/01 4:30:00 **SPL Sample ID:** 01010849-02

Site: #11676-10 DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		380	1		01/31/01 22:00	P_C	551826
Di-n-octyl phthalate	ND		380	1		01/31/01 22:00	P_C	551826
Dibenz(a,h)anthracene	ND		380	1		01/31/01 22:00	P_C	551826
Dibenzofuran	ND		380	1		01/31/01 22:00	P_C	551826
Diethyl phthalate	ND		380	1		01/31/01 22:00	P_C	551826
Dimethyl phthalate	ND		380	1		01/31/01 22:00	P_C	551826
Fluoranthene	ND		380	1		01/31/01 22:00	P_C	551826
Fluorene	ND		380	1		01/31/01 22:00	P_C	551826
Hexachlorobenzene	4600		3800	10		02/01/01 13:50	P_C	553648
Hexachlorobutadiene	9800		3800	10		02/01/01 13:50	P_C	553648
Hexachlorocyclopentadiene	ND		380	1		01/31/01 22:00	P_C	551826
Hexachloroethane	14000		1100	10		02/01/01 13:50	P_C	553648
Indeno(1,2,3-cd)pyrene	ND		380	1		01/31/01 22:00	P_C	551826
Isophorone	ND		380	1		01/31/01 22:00	P_C	551826
N-Nitrosodi-n-propylamine	ND		380	1		01/31/01 22:00	P_C	551826
N-Nitrosodiphenylamine	ND		380	1		01/31/01 22:00	P_C	551826
Naphthalene	ND		380	1		01/31/01 22:00	P_C	551826
Nitrobenzene	ND		380	1		01/31/01 22:00	P_C	551826
Pentachlorophenol	ND		3900	1		01/31/01 22:00	P_C	551826
Phenanthrene	ND		380	1		01/31/01 22:00	P_C	551826
Phenol	ND		380	1		01/31/01 22:00	P_C	551826
Pyrene	ND		380	1		01/31/01 22:00	P_C	551826
2-Methylphenol	ND		380	1		01/31/01 22:00	P_C	551826
3 & 4-Methylphenol	ND		380	1		01/31/01 22:00	P_C	551826
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		01/31/01 22:00	P_C	551826
Surr: 2,4,6-Tribromophenol	D	%	19-122	10	*	02/01/01 13:50	P_C	553648
Surr: 2-Fluorobiphenyl	70.6	%	30-115	1		01/31/01 22:00	P_C	551826
Surr: 2-Fluorobiphenyl	D	%	30-115	10	*	02/01/01 13:50	P_C	553648
Surr: 2-Fluorophenol	64.0	%	25-121	1		01/31/01 22:00	P_C	551826
Surr: 2-Fluorophenol	D	%	25-121	10	*	02/01/01 13:50	P_C	553648
Surr: Nitrobenzene-d5	58.2	%	23-120	1		01/31/01 22:00	P_C	551826
Surr: Nitrobenzene-d5	D	%	23-120	10	*	02/01/01 13:50	P_C	553648
Surr: Phenol-d5	60.0	%	24-113	1		01/31/01 22:00	P_C	551826
Surr: Phenol-d5	D	%	24-113	10	*	02/01/01 13:50	P_C	553648
Surr: Terphenyl-d14	D	%	18-137	10	*	02/01/01 13:50	P_C	553648
Surr: Terphenyl-d14	82.4	%	18-137	1		01/31/01 22:00	P_C	551826

Prep Method	Prep Date	Prep Initials
SW3550B	01/31/2001 10:44	J_L

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-02 | Collected: 1/30/01 4:30:00 | SPL Sample ID: 01010849-02

Site: #11676-10 DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B			**MCL**	**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		57	50		01/31/01 13:58	TP	551879
1,1,2,2-Tetrachloroethane	3700		57	50		01/31/01 13:58	TP	551879
1,1,2-Trichloroethane	2100		57	50		01/31/01 13:58	TP	551879
1,1-Dichloroethane	ND		57	50		01/31/01 13:58	TP	551879
1,1-Dichloroethene	950		57	50		01/31/01 13:58	TP	551879
1,2-Dichloroethane	ND		57	50		01/31/01 13:58	TP	551879
1,2-Dichloropropane	ND		57	50		01/31/01 13:58	TP	551879
2-Butanone	ND		2900	50		01/31/01 13:58	TP	551879
2-Hexanone	ND		2900	50		01/31/01 13:58	TP	551879
4-Methyl-2-pentanone	ND		2900	50		01/31/01 13:58	TP	551879
Acetone	ND		5700	50		01/31/01 13:58	TP	551879
Benzene	ND		57	50		01/31/01 13:58	TP	551879
Bromodichloromethane	ND		57	50		01/31/01 13:58	TP	551879
Bromoform	ND		57	50		01/31/01 13:58	TP	551879
Bromomethane	ND		57	50		01/31/01 13:58	TP	551879
Carbon disulfide	ND		290	50		01/31/01 13:58	TP	551879
Carbon tetrachloride	ND		57	50		01/31/01 13:58	TP	551879
Chlorobenzene	1700		57	50		01/31/01 13:58	TP	551879
Chloroethane	ND		570	50		01/31/01 13:58	TP	551879
Chloroform	ND		57	50		01/31/01 13:58	TP	551879
Chloromethane	ND		570	50		01/31/01 13:58	TP	551879
dibromochloromethane	ND		57	50		01/31/01 13:58	TP	551879
Ethylbenzene	ND		57	50		01/31/01 13:58	TP	551879
Methylene chloride	ND		290	50		01/31/01 13:58	TP	551879
Styrene	ND		57	50		01/31/01 13:58	TP	551879
Tetrachloroethene	1100000		11000	10000		02/02/01 16:15	TP	553883
Toluene	130		57	50		01/31/01 13:58	TP	551879
trans-1,3-Dichloropropene	ND		57	50		01/31/01 13:58	TP	551879
Trichloroethene	690000		11000	10000		02/02/01 16:15	TP	553883
Vinyl chloride	140		57	50		01/31/01 13:58	TP	551879
cis-1,2-Dichloroethene	6200		57	50		01/31/01 13:58	TP	551879
cis-1,3-Dichloropropene	ND		57	50		01/31/01 13:58	TP	551879
trans-1,2-Dichloroethene	1400		57	50		01/31/01 13:58	TP	551879
Xylenes,Total	170		170	50		01/31/01 13:58	TP	551879
Surr: 1,2-Dichloroethane-d4	88.0	%	70-120	50		01/31/01 13:58	TP	551879
Surr: 1,2-Dichloroethane-d4	74.0	%	70-120	10000		02/02/01 16:15	TP	553883
Surr: 4-Bromofluorobenzene	98.0	%	74-130	10000		02/02/01 16:15	TP	553883
Surr: 4-Bromofluorobenzene	88.0	%	74-130	50		01/31/01 13:58	TP	551879
Surr: Toluene-d8	96.0	%	80-140	50		01/31/01 13:58	TP	551879
Surr: Toluene-d8	98.0	%	80-140	10000		02/02/01 16:15	TP	553883

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-03 **Collected:** 1/30/01 5:10:00 **SPL Sample ID:** 01010849-03

Site: #11676-10 DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PERCENT MOISTURE			MCL	D2216		Units: wt%		
Percent Moisture	11.1	0		1		02/01/01 16:00	KM	552561

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-03 **Collected:** 1/30/01 5:10:00 **SPL Sample ID:** 01010849-03

Site: #11676-10 DNAPL

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C			**MCL**	**SW8270C**		**Units: ug/Kg-dry**		
1,2,4-Trichlorobenzene	ND	370		1		01/31/01 20:56	P_C	551824
1,2-Dichlorobenzene	440	56		1		01/31/01 20:56	P_C	551824
1,3-Dichlorobenzene	ND	56		1		01/31/01 20:56	P_C	551824
1,4-Dichlorobenzene	ND	56		1		01/31/01 20:56	P_C	551824
2,4,5-Trichlorophenol	ND	1900		1		01/31/01 20:56	P_C	551824
2,4,6-Trichlorophenol	ND	370		1		01/31/01 20:56	P_C	551824
2,4-Dichlorophenol	ND	370		1		01/31/01 20:56	P_C	551824
2,4-Dimethylphenol	ND	370		1		01/31/01 20:56	P_C	551824
2,4-Dinitrophenol	ND	1900		1		01/31/01 20:56	P_C	551824
2,4-Dinitrotoluene	ND	370		1		01/31/01 20:56	P_C	551824
2,6-Dinitrotoluene	ND	370		1		01/31/01 20:56	P_C	551824
2-Chloronaphthalene	ND	370		1		01/31/01 20:56	P_C	551824
2-Chlorophenol	ND	370		1		01/31/01 20:56	P_C	551824
2-Methylnaphthalene	ND	370		1		01/31/01 20:56	P_C	551824
2-Nitroaniline	ND	1900		1		01/31/01 20:56	P_C	551824
2-Nitrophenol	ND	1900		1		01/31/01 20:56	P_C	551824
3,3'-Dichlorobenzidine	ND	2200		1		01/31/01 20:56	P_C	551824
3-Nitroaniline	ND	1900		1		01/31/01 20:56	P_C	551824
4,6-Dinitro-2-methylphenol	ND	1900		1		01/31/01 20:56	P_C	551824
4-Bromophenyl phenyl ether	ND	370		1		01/31/01 20:56	P_C	551824
4-Chloro-3-methylphenol	ND	1500		1		01/31/01 20:56	P_C	551824
4-Chloroaniline	ND	370		1		01/31/01 20:56	P_C	551824
4-Chlorophenyl phenyl ether	ND	370		1		01/31/01 20:56	P_C	551824
4-Nitroaniline	ND	1900		1		01/31/01 20:56	P_C	551824
4-Nitrophenol	ND	900		1		01/31/01 20:56	P_C	551824
Acenaphthene	ND	370		1		01/31/01 20:56	P_C	551824
Acenaphthylene	ND	370		1		01/31/01 20:56	P_C	551824
Anthracene	ND	370		1		01/31/01 20:56	P_C	551824
Benz(a)anthracene	ND	370		1		01/31/01 20:56	P_C	551824
Benzo(a)pyrene	ND	370		1		01/31/01 20:56	P_C	551824
Benzo(b)fluoranthene	ND	370		1		01/31/01 20:56	P_C	551824
Benzo(g,h,i)perylene	ND	370		1		01/31/01 20:56	P_C	551824
Benzo(k)fluoranthene	ND	370		1		01/31/01 20:56	P_C	551824
Bis(2-chloroethoxy)methane	ND	370		1		01/31/01 20:56	P_C	551824
Bis(2-chloroethyl)ether	ND	370		1		01/31/01 20:56	P_C	551824
Bis(2-chloroisopropyl)ether	ND	370		1		01/31/01 20:56	P_C	551824
Bis(2-ethylhexyl)phthalate	ND	370		1		01/31/01 20:56	P_C	551824
Butyl benzyl phthalate	ND	370		1		01/31/01 20:56	P_C	551824
Carbazole	ND	370		1		01/31/01 20:56	P_C	551824
Chrysene	ND	370		1		01/31/01 20:56	P_C	551824

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-03 **Collected:** 1/30/01 5:10:00 **SPL Sample ID:** 01010849-03

Site: #11676-10 DNAPL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Di-n-butyl phthalate	ND		370	1		01/31/01 20:56	P_C	551824
Di-n-octyl phthalate	ND		370	1		01/31/01 20:56	P_C	551824
Dibenz(a,h)anthracene	ND		370	1		01/31/01 20:56	P_C	551824
Dibenzofuran	ND		370	1		01/31/01 20:56	P_C	551824
Diethyl phthalate	ND		370	1		01/31/01 20:56	P_C	551824
Dimethyl phthalate	ND		370	1		01/31/01 20:56	P_C	551824
Fluoranthene	ND		370	1		01/31/01 20:56	P_C	551824
Fluorene	ND		370	1		01/31/01 20:56	P_C	551824
Hexachlorobenzene	ND		370	1		01/31/01 20:56	P_C	551824
Hexachlorobutadiene	ND		370	1		01/31/01 20:56	P_C	551824
Hexachlorocyclopentadiene	ND		370	1		01/31/01 20:56	P_C	551824
Hexachloroethane	ND		110	1		01/31/01 20:56	P_C	551824
Indeno(1,2,3-cd)pyrene	ND		370	1		01/31/01 20:56	P_C	551824
Isophorone	ND		370	1		01/31/01 20:56	P_C	551824
N-Nitrosodi-n-propylamine	ND		370	1		01/31/01 20:56	P_C	551824
N-Nitrosodiphenylamine	ND		370	1		01/31/01 20:56	P_C	551824
Naphthalene	ND		370	1		01/31/01 20:56	P_C	551824
Nitrobenzene	ND		370	1		01/31/01 20:56	P_C	551824
Pentachlorophenol	ND		3800	1		01/31/01 20:56	P_C	551824
Phenanthrene	ND		370	1		01/31/01 20:56	P_C	551824
Phenol	ND		370	1		01/31/01 20:56	P_C	551824
Pyrene	ND		370	1		01/31/01 20:56	P_C	551824
2-Methylphenol	ND		370	1		01/31/01 20:56	P_C	551824
3 & 4-Methylphenol	ND		370	1		01/31/01 20:56	P_C	551824
Surr: 2,4,6-Tribromophenol	88.0	%	19-122	1		01/31/01 20:56	P_C	551824
Surr: 2-Fluorobiphenyl	76.5	%	30-115	1		01/31/01 20:56	P_C	551824
Surr: 2-Fluorophenol	68.0	%	25-121	1		01/31/01 20:56	P_C	551824
Surr: Nitrobenzene-d5	64.7	%	23-120	1		01/31/01 20:56	P_C	551824
Surr: Phenol-d5	60.0	%	24-113	1		01/31/01 20:56	P_C	551824
Surr: Terphenyl-d14	94.1	%	18-137	1		01/31/01 20:56	P_C	551824

Prep Method	Prep Date	Prep Initials
SW3550B	01/31/2001 10:44	J_L

Qualifiers:

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID S-11676-013001-DG-03 **Collected:** 1/30/01 5:10:00 **SPL Sample ID:** 01010849-03

Site: #11676-10 DNAPL

Analyses/Method	Result		Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B					**SW8260B**		**Units: ug/Kg-dry**		
1,1,1-Trichloroethane	ND		56		50		01/31/01 15:10	TP	551880
1,1,2,2-Tetrachloroethane	440		56		50		01/31/01 15:10	TP	551880
1,1,2-Trichloroethane	1100		56		50		01/31/01 15:10	TP	551880
1,1-Dichloroethane	ND		56		50		01/31/01 15:10	TP	551880
1,1-Dichloroethene	440		56		50		01/31/01 15:10	TP	551880
1,2-Dichloroethane	ND		56		50		01/31/01 15:10	TP	551880
1,2-Dichloropropane	ND		56		50		01/31/01 15:10	TP	551880
2-Butanone	ND		2800		50		01/31/01 15:10	TP	551880
2-Hexanone	ND		2800		50		01/31/01 15:10	TP	551880
4-Methyl-2-pentanone	ND		2800		50		01/31/01 15:10	TP	551880
Acetone	ND		5600		50		01/31/01 15:10	TP	551880
Benzene	ND		56		50		01/31/01 15:10	TP	551880
Bromodichloromethane	ND		56		50		01/31/01 15:10	TP	551880
Bromoform	ND		56		50		01/31/01 15:10	TP	551880
Bromomethane	ND		56		50		01/31/01 15:10	TP	551880
Carbon disulfide	ND		280		50		01/31/01 15:10	TP	551880
Carbon tetrachloride	ND		56		50		01/31/01 15:10	TP	551880
Chlorobenzene	570		56		50		01/31/01 15:10	TP	551880
Chloroethane	ND		560		50		01/31/01 15:10	TP	551880
Chloroform	ND		56		50		01/31/01 15:10	TP	551880
Chloromethane	ND		560		50		01/31/01 15:10	TP	551880
dibromochloromethane	ND		56		50		01/31/01 15:10	TP	551880
Ethylbenzene	ND		56		50		01/31/01 15:10	TP	551880
Methylene chloride	ND		280		50		01/31/01 15:10	TP	551880
Styrene	ND		56		50		01/31/01 15:10	TP	551880
Tetrachloroethene	170000		2200		2000		02/02/01 14:30	TP	553882
Toluene	ND		56		50		01/31/01 15:10	TP	551880
trans-1,3-Dichloropropene	ND		56		50		01/31/01 15:10	TP	551880
Trichloroethene	160000		2200		2000		02/02/01 14:30	TP	553882
Vinyl chloride	ND		56		50		01/31/01 15:10	TP	551880
cis-1,2-Dichloroethene	3300		56		50		01/31/01 15:10	TP	551880
cis-1,3-Dichloropropene	ND		56		50		01/31/01 15:10	TP	551880
trans-1,2-Dichloroethene	560		56		50		01/31/01 15:10	TP	551880
Xylenes,Total	ND		170		50		01/31/01 15:10	TP	551880
Surr: 1,2-Dichloroethane-d4	83.0	%	70-120		2000		02/02/01 14:30	TP	553882
Surr: 1,2-Dichloroethane-d4	84.0	%	70-120		50		01/31/01 15:10	TP	551880
Surr: 4-Bromofluorobenzene	92.0	%	74-130		50		01/31/01 15:10	TP	551880
Surr: 4-Bromofluorobenzene	96.0	%	74-130		2000		02/02/01 14:30	TP	553882
Surr: Toluene-d8	96.0	%	80-140		50		01/31/01 15:10	TP	551880
Surr: Toluene-d8	98.0	%	80-140		2000		02/02/01 14:30	TP	553882

Qualifiers:

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Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10 DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010849
Method: SW8270C **Lab Batch ID:** 9995

Method Blank

RunID: H_010131A-551816 Units: ug/Kg
Analysis Date: 01/31/2001 17:12 Analyst: P_C
Preparation Date: 01/31/2001 10:44 Prep By: J_L Method SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010849-01B	S-11676-013001-DG-01
01010849-02B	S-11676-013001-DG-02
01010849-03B	S-11676-013001-DG-03

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
2,4,5-Trichlorophenol	ND	1700
2,4,6-Trichlorophenol	ND	330
2,4-Dichlorophenol	ND	330
2,4-Dimethylphenol	ND	330
2,4-Dinitrophenol	ND	1700
2,4-Dinitrotoluene	ND	330
2,6-Dinitrotoluene	ND	330
2-Chloronaphthalene	ND	330
2-Chlorophenol	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1700
2-Nitrophenol	ND	1700
3,3'-Dichlorobenzidine	ND	2000
3-Nitroaniline	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
4-Bromophenyl phenyl ether	ND	330
4-Chloro-3-methylphenol	ND	1300
4-Chloroaniline	ND	330
4-Chlorophenyl phenyl ether	ND	330
4-Nitroaniline	ND	1700
4-Nitrophenol	ND	800
Acenaphthene	ND	330
Acenaphthylene	ND	330
Anthracene	ND	330
Benz(a)anthracene	ND	330
Benzo(a)pyrene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(g,h,i)perylene	ND	330
Benzo(k)fluoranthene	ND	330
Bis(2-chloroethoxy)methane	ND	330
Bis(2-chloroethyl)ether	ND	330
Bis(2-chloroisopropyl)ether	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Butyl benzyl phthalate	ND	330
Carbazole	ND	330
Chrysene	ND	330
Di-n-butyl phthalate	ND	330
Di-n-octyl phthalate	ND	330
Dibenz(a,h)anthracene	ND	330
Dibenzofuran	ND	330
Diethyl phthalate	ND	330
Dimethyl phthalate	ND	330
Fluoranthene	ND	330
Fluorene	ND	330
Hexachlorobenzene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330

ers: *ND/U - Not Detected at the Reporting Limit* MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10 DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010849
Method: SW8270C **Lab Batch ID:** 9995

Method Blank

RunID: H_010131A-551816 Units: ug/Kg
Analysis Date: 01/31/2001 17:12 Analyst: P_C
Preparation Date: 01/31/2001 10:44 Prep By: J_L Method SW3550B

Analyte	Result	Rep Limit
Hexachloroethane	ND	100
Indeno(1,2,3-cd)pyrene	ND	330
Isophorone	ND	330
N-Nitrosodi-n-propylamine	ND	330
N-Nitrosodiphenylamine	ND	330
Naphthalene	ND	330
Nitrobenzene	ND	330
Pentachlorophenol	ND	3400
Phenanthrene	ND	330
Phenol	ND	330
Pyrene	ND	330
2-Methylphenol	ND	330
3 & 4-Methylphenol	ND	330
Surr: 2,4,6-Tribromophenol	88.0	19-122
Surr: 2-Fluorobiphenyl	82.4	30-115
Surr: 2-Fluorophenol	72.0	25-121
Surr: Nitrobenzene-d5	64.7	23-120
Surr: Phenol-d5	64.0	24-113
Surr: Terphenyl-d14	100.0	18-137

Laboratory Control Sample (LCS)

RunID: H_010131A-556569 Units: ug/Kg
Analysis Date: 01/31/2001 17:44 Analyst: P_C
Preparation Date: 01/31/2001 10:44 Prep By: J_L Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	1700	1400	82	39	110
1,4-Dichlorobenzene	1700	1200	71	36	110
2,4-Dinitrotoluene	1700	1300	76	50	150
2-Chlorophenol	2500	1800	72	27	123
4-Chloro-3-methylphenol	2500	2000	80	23	110
4-Nitrophenol	2500	2000	80	25	150
Acenaphthene	1700	1200	71	46	125
N-Nitrosodi-n-propylamine	1700	1000	59	41	116
Pentachlorophenol	2500	2200	88	9	125
Phenol	2500	1400	56	12	110
Pyrene	1700	1600	94	26	127

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Conestoga-Rovers & Associates

#11676-10 DNAPL

Analysis: Semivolatile Organics by Method 8270C **WorkOrder:** 01010849
Method: SW8270C **Lab Batch ID:** 9995

Sample Spiked: 01010849-01
RunID: H_010131A-551825 Units: ug/Kg-dry
Analysis Date: 01/31/2001 21:28 Analyst: P_C
Preparation Date: 01/31/2001 10:44 Prep By: J_L Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2,4-Trichlorobenzene	ND	1920	1500	76	1920	1500	76	0	28	39	110
1,4-Dichlorobenzene	ND	1920	1400	71	1920	1400	71	0	28	36	110
2,4-Dinitrotoluene	ND	1920	1500	76	1920	1600	82	7	50	50	150
2-Chlorophenol	ND	2820	2000	72	2820	2000	72	0	40	27	123
4-Chloro-3-methylphenol	ND	2820	2300	80	2820	2300	80	0	42	23	110
4-Nitrophenol	ND	2820	2000	72	2820	2100	76	5	50	25	150
Acenaphthene	ND	1920	1400	71	1920	1500	76	8	31	46	125
N-Nitrosodi-n-propylamine	ND	1920	1200	65	1920	1100	59	10	38	41	116
Pentachlorophenol	ND	2820	1900	68	2820	2000	72	6	50	9	125
Phenol	ND	2820	1700	60	2820	1600	56	7	42	12	110
Pyrene	ND	1920	1800	94	1920	1900	100	6	31	26	127

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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MI - Matrix Interference
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Quality Control Report

Conestoga-Rovers & Associates

#11676-10 DNAPL

Analysis: Volatile Organics by Method 8260B
Method: SW8260B
WorkOrder: 01010849
Lab Batch ID: R28763

Method Blank

RunID: K_010130B-550473 Units: ug/Kg
Analysis Date: 01/31/2001 5:31 Analyst: TP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010849-01A	S-11676-013001-DG-01
01010849-02A	S-11676-013001-DG-02
01010849-03A	S-11676-013001-DG-03

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
2-Butanone	ND	50
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Acetone	ND	100
Benzene	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	10
Chloroform	ND	1.0
Chloromethane	ND	10
Dibromochloromethane	ND	1.0
Ethylbenzene	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
Xylenes,Total	ND	3.0
Surr: 1,2-Dichloroethane-d4	86.4	70-120
Surr: 4-Bromofluorobenzene	91.2	74-130
Surr: Toluene-d8	96.0	80-140

Laboratory Control Sample (LCS)

RunID: K_010130B-550472 Units: ug/L
Analysis Date: *01/31/2001 5:04* *Analyst:* *TP*

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	48	96	61	145

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
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* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10 DNAPL

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010849
Method: SW8260B **Lab Batch ID:** R28763

Laboratory Control Sample (LCS)

RunID: K_010130B-550472 Units: ug/L
Analysis Date: 01/31/2001 5:04 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	42	84	76	127
Chlorobenzene	50	47	94	75	130
Toluene	50	44	88	76	125
Trichloroethene	50	47	94	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010849-02
RunID: K_010130B-550489 Units: ug/Kg-dry
Analysis Date: 01/31/2001 14:22 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	830	57.2	4200	115	57.2	4100	111	4	22	59	172
Benzene	ND	57.2	2600	92	57.2	2500	88	4	21	66	142
Chlorobenzene	1500	57.2	4800	108	57.2	4800	108	0	21	60	133
Toluene	ND	57.2	2700	92	57.2	2700	92	0	21	59	139
Trichloroethene	200000	57.2	250000	800 *	57.2	250000	800 *	0	24	62	137

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10 DNAPL

Analysis: Volatile Organics by Method 8260B **WorkOrder:** 01010849
Method: SW8260B **Lab Batch ID:** R28944

Method Blank

RunID: K_010202B-553873 Units: ug/Kg
Analysis Date: 02/02/2001 12:19 Analyst: TP

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010849-02A	S-11676-013001-DG-02
01010849-03A	S-11676-013001-DG-03

Analyte	Result	Rep Limit
Tetrachloroethene	ND	1.0
Trichloroethene	ND	1.0
Surr: 1,2-Dichloroethane-d4	80.0	70-120
Surr: 4-Bromofluorobenzene	96.0	74-130
Surr: Toluene-d8	100.0	80-140

Laboratory Control Sample (LCS)

RunID: K_010202B-553872 Units: ug/L
Analysis Date: 02/02/2001 11:53 Analyst: TP

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	59	118	61	145
Benzene	50	53	106	76	127
Chlorobenzene	50	50	100	75	130
Toluene	50	52	104	76	125
Trichloroethene	50	57	114	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010872-03
RunID: K_010202B-554039 Units: ug/Kg
Analysis Date: 02/02/2001 17:08 Analyst: TP

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	6250	8000	128	6250	7800	125	3	22	59	172
Benzene	ND	6250	6800	109	6250	6200	99	9	21	66	142
Chlorobenzene	ND	6250	6700	107	6250	6400	102	5	21	60	133
Toluene	ND	6250	6600	106	6250	6300	101	5	21	59	139
Trichloroethene	ND	6250	7500	120	6250	7100	114	5	24	62	137

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Conestoga-Rovers & Associates

#11676-10 DNAPL

Analysis:	**PERCENT MOISTURE**	**WorkOrder:**	**01010849**
Method:	**D2216**	**Lab Batch ID:**	**R28879**

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010849-01B	S-11676-013001-DG-01
01010849-02B	S-11676-013001-DG-02
01010849-03B	S-11676-013001-DG-03

Sample Duplicate

Original Sample:	01020004-01		
RunID:	WET_010201I-552552	Units:	wt%
Analysis Date:	02/01/2001 16:00	Analyst:	KM

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	10.5	10.5	0	20

ers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Sample Receipt Checklist

And

Chain of Custody

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01010849	Received by:	Stelly, D'Anna
Date and Time Received:	1/31/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	4		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
tainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
ter - VOA vials have zero headspace?	Yes ☐	No ☐	Not Present ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

01010849

CHAIN OF CUSTODY RECORD

CRA
CONESTOGA-ROVERS & ASSOCIATES
651 Colby Drive
Waterloo, Ont. N2V 1C2 (519)884-0510

SHIPPED TO (Laboratory Name): SPL- Houston

REFERENCE NUMBER: 11676-16

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: David A Gray

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS TCL VOC	TCL SVOC								REMARKS
	01/30/01	15:30	S-11676-013001-DG01	Soil	4	✓	✓								*24 Hr Turnaround
	01/30/01	16:30	S-11676-013001-DG02	Soil	4	✓	✓								" "
	01/30/01	17:10	S-11676-013001-DG03	Soil	4	✓	✓								" "

RUSH

TOTAL NUMBER OF CONTAINERS 12 HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① [signature]	DATE: 01/30/01 TIME: 18:30	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No. NA

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod Sampler Copy

SAMPLE TEAM: Gray

RECEIVED FOR LABORATORY BY: Donna Sully
DATE: 1/31/01 TIME: 1000

4°

№ 16[illegible]

1001 JULY 19/93 REV.0 (F-42)