

**DIESEL RANGE ORGANICS DATA  
GSA - SLOP  
JOB# 248531**

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S A M P L E I N F O R M A T I O N  
Date: 09/21/2006

Job Number.: 248531	Project Number.....: 20006654
Customer...: SCS Engineers, Inc.	Customer Project ID....: GSA - SLOP
Attn.....: David Brewer	Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
248531-1	SB1015-3	Soil	09/05/2006	07:30	09/07/2006	10:00
248531-2	SB1025-5	Soil	09/05/2006	07:55	09/07/2006	10:00
248531-3	SB1035-4	Soil	09/05/2006	08:15	09/07/2006	10:00
248531-4	SB1045-2	Soil	09/05/2006	08:30	09/07/2006	10:00
248531-5	SB1055-3	Soil	09/05/2006	09:15	09/07/2006	10:00
248531-6	SB1095-5	Soil	09/05/2006	12:00	09/07/2006	10:00
248531-7	SB1095-10	Soil	09/05/2006	12:30	09/07/2006	10:00
248531-8	SB1105-1	Soil	09/05/2006	14:15	09/07/2006	10:00
248531-9	SB1105-4	Soil	09/05/2006	14:40	09/07/2006	10:00
248531-10	SB1115-1	Soil	09/05/2006	14:55	09/07/2006	10:00
248531-11	SB1115-5	Soil	09/05/2006	15:20	09/07/2006	10:00
248531-12	SB1125-1	Soil	09/05/2006	15:40	09/07/2006	10:00
248531-13	SB1155-2	Soil	09/06/2006	08:00	09/07/2006	10:00
248531-14	SB1155-3	Soil	09/06/2006	08:10	09/07/2006	10:00
248531-15	SB1165-4	Soil	09/06/2006	11:00	09/07/2006	10:00
248531-16	SB1175-4	Soil	09/06/2006	11:45	09/07/2006	10:00
248531-17	SB1185-2	Soil	09/06/2006	13:10	09/07/2006	10:00
248531-18	SB1185-5	Soil	09/06/2006	13:25	09/07/2006	10:00
248531-19	SB1195-3	Soil	09/06/2006	14:05	09/07/2006	10:00
248531-20	SB1195-4	Soil	09/06/2006	14:25	09/07/2006	10:00
248531-21	SB1215-3	Soil	09/06/2006	15:10	09/07/2006	10:00
248531-22	SB1225-2	Soil	09/06/2006	16:20	09/07/2006	10:00
248531-23	SB1225-4	Soil	09/06/2006	16:40	09/07/2006	10:00
248531-24	SB1255-3	Soil	09/06/2006	18:00	09/07/2006	10:00
248531-25	SB1125-5	Soil	09/05/2006	16:05	09/07/2006	10:00
248531-26	SB1135-5	Soil	09/05/2006	17:30	09/07/2006	10:00

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SAMPLE INFORMATION

Date:

Job Number.: 248531  
Customer...: SCS Engineers, Inc.  
Attn.....: David Brewer

Project Number.....: 20006654  
Customer Project ID....: GSA - SLOP  
Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
248531-27	SB1145-3	Soil	09/05/2006	18:00	09/07/2006	10:00

Job Number: 248531		LABORATORY CHRONICLE			Date: 09/21/2006	
CUSTOMER: SCS Engineers, Inc.		PROJECT: GSA - SLOP			ATTN: David Brewer	
Lab ID: 248531-1	Client ID: SB1015-3	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1903
DILUTION						
Lab ID: 248531-2	Client ID: SB1025-5	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1908
DILUTION						
Lab ID: 248531-3	Client ID: SB1035-4	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1911
DILUTION						
Lab ID: 248531-4	Client ID: SB1045-2	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1914
DILUTION						
Lab ID: 248531-5	Client ID: SB1055-3	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1917
DILUTION						
Lab ID: 248531-6	Client ID: SB1095-5	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1920
DILUTION						
Lab ID: 248531-7	Client ID: SB1095-10	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1922
DILUTION						
Lab ID: 248531-8	Client ID: SB1105-1	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1925
DILUTION						
Lab ID: 248531-9	Client ID: SB1105-4	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1928
DILUTION						
Lab ID: 248531-10	Client ID: SB1115-1	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1931
DILUTION						
Lab ID: 248531-11	Client ID: SB1115-5	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1934
DILUTION						
Lab ID: 248531-12	Client ID: SB1125-1	Date Recvd: 09/07/2006		Sample Date: 09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1937
DILUTION						
Lab ID: 248531-13	Client ID: SB1155-2	Date Recvd: 09/07/2006		Sample Date: 09/06/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1939
3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 0501
DILUTION						1.00000
Lab ID: 248531-14	Client ID: SB1155-3	Date Recvd: 09/07/2006		Sample Date: 09/06/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899		09/09/2006 1942
DILUTION						



## LABORATORY CHRONICLE

Job Number: 248531

Date: 09/21/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Lab ID	Client ID	Date Recvd	Sample Date	Method	Description	Run#	Batch#	Prep BT	#(S)	Date/Time Analyzed	Dilution
248531-14	SB1155-3	09/07/2006	09/06/2006	3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 0537	1.00000
248531-15	SB1165-4	09/07/2006	09/06/2006	Method	% Solids Determination	1	188899	188899		09/09/2006 1945	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 0613	1.00000
248531-16	SB1175-4	09/07/2006	09/06/2006	Method	% Solids Determination	1	188899	188899		09/09/2006 1948	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 0649	1.00000
248531-17	SB1185-2	09/07/2006	09/06/2006	Method	% Solids Determination	1	188899	188899		09/09/2006 1951	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 0726	1.00000
248531-18	SB1185-5	09/07/2006	09/06/2006	Method	% Solids Determination	1	188899	188899		09/09/2006 1953	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 1520	1.00000
248531-19	SB1195-3	09/07/2006	09/06/2006	Method	% Solids Determination	1	188899	188899		09/09/2006 1956	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 1556	1.00000
248531-20	SB1195-4	09/07/2006	09/06/2006	Method	% Solids Determination	1	188899	188899		09/09/2006 1959	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 1632	1.00000
248531-21	SB1215-3	09/07/2006	09/06/2006	Method	% Solids Determination	1	188859	188859		09/08/2006 1259	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 1708	1.00000
248531-22	SB1225-2	09/07/2006	09/06/2006	Method	% Solids Determination	1	188859	188859		09/08/2006 1301	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
				8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 1745	1.00000
248531-23	SB1225-4	09/07/2006	09/06/2006	Method	% Solids Determination	1	188859	188859		09/08/2006 1303	
				3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	

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Job Number: 248531		LABORATORY CHRONICLE			Date: 09/21/2006		
CUSTOMER: SCS Engineers, Inc.		PROJECT: GSA - SLOP			ATTN: David Brewer		
Lab ID: 248531-23	Client ID: SB1225-4	Date Recvd: 09/07/2006		Sample Date: 09/06/2006			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 1821	1.00000
Lab ID: 248531-24	Client ID: SB1255-3	Date Recvd: 09/07/2006		Sample Date: 09/06/2006			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188859	188859		09/08/2006 1304	
Lab ID: 248531-25	Client ID: SB1125-5	Date Recvd: 09/07/2006		Sample Date: 09/05/2006			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188859	188859		09/08/2006 1306	
Lab ID: 248531-26	Client ID: SB1135-5	Date Recvd: 09/07/2006		Sample Date: 09/05/2006			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188859	188859		09/08/2006 1308	
3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 1857	1.00000
Lab ID: 248531-27	Client ID: SB1145-3	Date Recvd: 09/07/2006		Sample Date: 09/05/2006			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188859	188859		09/08/2006 1310	
3541	Extraction Soxhlet (DRO)	1	189077			09/12/2006 1630	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	189555	189077		09/15/2006 1933	1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/21/2006

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- \* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- \* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- ^ EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/21/2006

greater than 25%.

Abbreviations

AS Post Digestion Spike (GFAA Samples - See Note 1 below)  
 Batch Designation given to identify a specific extraction, digestion, preparation set, or analysis set  
 CAP Capillary Column CCB Continuing Calibration Blank  
 CCV Continuing Calibration Verification  
 CF Confirmation analysis of original  
 C1 Confirmation analysis of A1 or D1  
 C2 Confirmation analysis of A2 or D2  
 C3 Confirmation analysis of A3 or D3  
 CRA Low Level Standard Check - GFAA; Mercury  
 CRI Low Level Standard Check - ICP  
 CV Calibration Verification Standard  
 Dil Fac Dilution Factor - Secondary dilution analysis  
 D1 Dilution 1  
 D2 Dilution 2  
 D3 Dilution 3  
 DLFac Detection Limit Factor  
 DSH Distilled Standard - High Level  
 DSL Distilled Standard - Low Level  
 DSM Distilled Standard - Medium Level  
 EB1 Extraction Blank 1  
 EB2 Extraction Blank 2  
 EB3 DI Blank  
 ELC Method Extracted LCS  
 ELD Method Extracted LCD  
 ICAL Initial calibration  
 ICB Initial Calibration Blank  
 ICV Initial Calibration Verification  
 IDL Instrument Detection Limit  
 ISA Interference Check Sample A - ICAP  
 ISB Interference Check Sample B - ICAP  
 Job No. The first six digits of the sample ID which refers to a specific client, project and sample group  
 Lab ID An 8 number unique laboratory identification  
 LCD Laboratory Control Standard Duplicate  
 LCS Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest  
 MB Method Blank or (PB) Preparation Blank  
 MD Method Duplicate  
 MDL Method Detection Limit  
 MLE Medium Level Extraction Blank  
 MRL Method Reporting Limit Standard  
 MSA Method of Standard Additions  
 MS Matrix Spike  
 MSD Matrix Spike Duplicate  
 ND Not Detected  
 PREPF Preparation factor used by the Laboratory's Information Management System (LIMS)  
 PDS Post Digestion Spike (ICAP)  
 RA Re-analysis of original  
 A1 Re-analysis of D1  
 A2 Re-analysis of D2  
 A3 Re-analysis of D3  
 RD Re-extraction of dilution  
 RE Re-extraction of original  
 RC Re-extraction Confirmation  
 RL Reporting Limit  
 RPD Relative Percent Difference of duplicate (unrounded) analyses  
 RRF Relative Response Factor  
 RT Retention Time

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/21/2006

RTW Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number

SCB Seeded Control Blank

SD Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)

UCB Unseeded Control Blank

SSV Second Source Verification Standard

SLCS Solid Laboratory Control Standard(LCS)

PHC pH Calibration Check LCSP pH Laboratory Control Sample

LCDP pH Laboratory Control Sample Duplicate

MDPH pH Sample Duplicate

MDFP Flashpoint Sample Duplicate

LCFP Flashpoint LCS

G1 Gelex Check Standard Range 0-1

G2 Gelex Check Standard Range 1-10

G3 Gelex Check Standard Range 10-100

G4 Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

# CHAIN OF CUSTODY

**SEVERN TRENT**  
**STIL**

STIL Chicago  
2417 Bond Street  
University Park, IL 60466  
Phone: 708-534-5200  
Fax: 708-534-5211

Report To:

Contact: Janeth Doming  
Company: SEVERN TRENT  
Address: 10125 Elmwood St #100  
Oakland Park FL 33111  
Phone: 913-451-7510  
Fax: 913-451-7513  
E-Mail: janeth.doming@severn-trent.com

Bill To:

Contact: Sam Weeks  
Company: (Severn Trent)  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#: \_\_\_\_\_  
Quote: \_\_\_\_\_

Shaded Areas For Internal Use Only \_\_\_\_\_ of \_\_\_\_\_

Sampler Name: Janeth Doming  
Project Name: 559 5190  
Project Location: STL 001's mo  
Date Required: 02/20/06  
Hard Copy: 1/1/1  
Fax: \_\_\_\_\_

Project Number: 022002056  
Retrg # \_\_\_\_\_  
# / Cont: \_\_\_\_\_  
Volume \_\_\_\_\_  
Preserv \_\_\_\_\_

Lab Lot# 248531  
Package Sealed Yes  
Required on Ice Yes  
Temperature (23) (21) (25) °C of Cooler  
Withrd Hold Time Yes No  
pH Check OK  
Res Cl<sub>2</sub> Check OK  
Sample Labels and COC Agree Yes No  
COC not present

Samples Sealed Yes No  
Samples Intact Yes No  
Preserv. Indicated Yes No NA  
Additional Analyses / Remarks \_\_\_\_\_

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Time	Matrix	Comp/Grab	Remarks
1		SR10/5-3	9:56	9:20	S	G	X
2		SR10/255	7:55		S	G	X
3		SR10/35-4	8:15		S	G	X
4		SR10/45-2	8:30		S	G	X
5		SR05/55-3	9:15		S	G	X
6		SR10/955	12:00		S	G	X
7		SR10/955-10	12:30		S	G	X
8		SR11/05-1	2:15		S	G	X
9		SR11/05-4	2:40		S	G	X
10		SR11/5-1	2:55		S	G	X
11		SR11/5-5	3:20		S	G	X
12		SR12/5-1	3:40		S	G	X

REINQUISHED BY: \_\_\_\_\_ DATE: 9/26/06 TIME: 2:00  
RECEIVED BY: (b) DATE: 9/7/06 TIME: 1000

COMPANY: STIL COMPANY: STIL

Container Key:  
1. Plastic  
2. VOA Vial  
3. Sterile Plastic  
4. Amber Glass  
5. Widenmouth Glass  
6. Other

Preservative Key:  
1. HCl, Cool to 4°  
2. H2SO4, Cool to 4°  
3. HNO3, Cool to 4°  
4. NaOH, Cool to 4°  
5. NaOH/Zn, Cool to 4°  
6. Cool to 4°  
7. None

Matrix Key:  
WV = Wastewater  
W = Water  
S = Soil  
SL = Sludge  
MS = Miscellaneous  
A = Air

SEVERN TRENT  
STIL Chicago

**SEVERN TRENT**  
**STL**

STL Chicago  
2417 Bond Street  
University Park, IL 60466  
Phone: 708-534-3200  
Fax: 708-534-3211

Report To:

Bill To:

Shaded Areas For Internal Use Only of

Contact: Janet Demling  
Company: SES Eng. Servs  
Address: 16935 Elmrite St/102  
Dorland Park, IL 60201  
Phone: 913-451-7510  
Fax: 913-451-7513  
E-Mail: janet.demling@ses-services.com

Contact: Shirley Weeks  
Company: (SES Eng. Servs)  
Address: (16935 Elmrite St/102)  
Phone: (913-451-7510)  
Fax: (913-451-7513)  
PO#: ( )  
Quote: ( )

Sampler Name: Janet Demling  
Project Name: 65th St/102  
Project Location: St. Louis, MO  
Date Required: 02/20/06  
Hard Copy: 1/1/1  
Fax: 1/1/1

Project Number: 0220007056  
Retire # / Cont: 8015 / 248531  
Volume: 8015  
Preserv: TAH DRO  
8015  
TAH GPO  
8082  
PLBS

Lab Lot# 248531  
Package Sealed: Yes No  
Received on ice: Yes No  
Temperature C of Cooler: Yes No  
Within Hold Time: Yes No  
pH Check OK: Yes No  
Sample Labels and GOC Agree: Yes No  
Additional Analyses / Remarks: COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Matrix	Comp/Grab	Retire # / Cont	Volume	Preserv	Additional Analyses / Remarks
13		SB1155-2	9/6/06	S	S	8015	TAH DRO		
14		SB1155-3	8/10	S	S	8015	TAH GPO		
15		SB1165-4	11/00	S	S	8015			
16		SB1175-4	11/95	S	S	8015			
17		SB1185-2	1/10	S	S	8015			
18		SB1185-5	1/25	S	S	8015			
19		SB1195-3	2/05	S	S	8015			
20		SB1195-4	2/25	S	S	8015			
21		SB1215-3	3/10	S	S	8015			
22		SB1225-2	4/20	S	S	8015			
23		SB1225-4	4/20	S	S	8015			
24		SB1255-3	6/00	S	S	8015			

REINQUISHED: DATE 9/6/06 TIME 7:00  
RECEIVED BY: (6)  
RECEIVED BY: (b)  
DATE: 9/7/06 TIME: 1000  
COMPANY: SES Eng. Servs  
COMPANY: SES Eng. Servs

Matrix Key: W = Wastewater, S = Soil, SL = Sludge, MS = Miscellaneous, A = Air, SE = Sediment, SO = Solid, DS = Drums Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, 0 = None

Container Key: 1. Plastic, 2. VOA Vial, 3. Sterile Plastic, 4. Amber Glass, 5. Widenmouth Glass, 6. Other, 7. None

Preservative Key: 1. HCl, Cool to 4, 2. H2SO4, Cool to 4, 3. HNO3, Cool to 4, 4. NaOH, Cool to 4, 5. NaOH/2m, Cool to 4, 6. Cool to 4, 7. None

Comments: DATE RECEIVED 9/7/06 TIME 1000  
Courier: FX  
Hand Delivered: [ ]  
Bill of Lading



# SEVERN TRENT STL

STL Chicago  
2417 Bond Street  
University Park, IL 60466  
Phone: 708-534-5200  
Fax: 708-534-5211

**Report To:**  
Contact: *Jerrett Donahy*  
Company: *STL Eng. Labs*  
Address: *10935 Elmhurst St. 100*  
*Woodland Park, IL 60191*  
Phone: *913-451-7510*  
Fax: *913-451-7512*  
E-Mail: *jdohany@stleng.com*

**Bill To:**  
Contact: *Sammy Week 5*  
Company: *(Signature)*  
Address: *(Signature)*  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Quote# \_\_\_\_\_  
PO#: \_\_\_\_\_

**Shaded Areas For Internal Use Only** of \_\_\_\_\_

**Lab Lot#** *248531*

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C of Cooler	
Within Hold Time Yes No	Preserv. Indicated Yes No NA
pH Check OK Yes No NA	Res Cl <sub>2</sub> Check OK Yes No NA
Sample Labels and COC Agree Yes No	COC not present

Sampler Name: *Jerrett Donahy*  
Project Name: *CSA SLOP*  
Project Location: *STL Eng. Lab*  
Date Required: *022007056*  
Hard Copy: \_\_\_\_\_  
Fax: \_\_\_\_\_

Retrg #	# / Cont	Volume	Preserv

Additional Analyses / Remarks

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date Time	Matrix	Comp/Grab	Retrg #	# / Cont	Volume	Preserv	Additional Analyses / Remarks
25		SB1125-5	4:50		8082 PLB					
26		SB1135-5	5:30		8015 TPH DRO					
27		SB1145-3	6:00		8015 TPH 620					

REINQUISHED BY: \_\_\_\_\_ DATE: *9/6/06* TIME: *7:00*  
RECEIVED BY: \_\_\_\_\_ DATE: *9/12/06* TIME: *10:00*  
REINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

**Matrix Key**  
SE = Sediment  
SO = Solid  
DL = Drum Solid  
L = Leachate  
WI = Wipe  
0 = \_\_\_\_\_

**Container Key**  
1. Plastic  
2. VOA Vial  
3. Sterile Plastic  
4. Amber Glass  
5. Widenouth Glass  
6. Other

**Preservative Key**  
1. HCl, Cool to 4°  
2. H2SO4, Cool to 4°  
3. HNO3, Cool to 4°  
4. NaOH, Cool to 4°  
5. NaOH/Zn, Cool to 4°  
6. Cool to 4°  
7. None

**Container Key**  
1. Plastic  
2. VOA Vial  
3. Sterile Plastic  
4. Amber Glass  
5. Widenouth Glass  
6. Other

COMMENTS: \_\_\_\_\_

Date Received: *9/17/06*  
Courier: *PK*  
Bill of Lading: \_\_\_\_\_  
Hand Delivered:

STL Chicago  
 Intra-Laboratory Internal Sample Custody Transfer Record

Job No: 248531

Client: SCS

Sample No.	Analysis	Relinquished by:	Received by:	Date	Time	Comments	
G20	13-23	[REDACTED]	[REDACTED]	9/7/06	1130		
G-12, 24, 25	04			09/07/06	1615		
G-12, 24, 25	02			09/07/06	0730		
21-27	METALS			9/9/06	11:55		
21-27	METALS			9/8/06	1330		
13-23, 26, 27	ORG			9/2/06	1630		
1-5	15			9/2/06	13:00		
1-5	15			9/2/06	16:00		

Job Number.: 248531	Location.: 57222	Check List Number.: 1	Description.:	
Customer Job ID.....:	Job Check List Date.: 09/07/2006	Date of the Report...: 09/08/2006	Project Manager.....: rcw	
Project Number.: 20006654	Project Description.: GSA - SLOP	Contact.: David Brewer		
Customer.....: SCS Engineers, Inc.				

Questions ?	(Y/N) Comments
Chain-of-Custody Present?.....	Y
Were samples dropped off at or picked up by STL?..	N
Custody seal on shipping container?.....	Y
...If "yes", custody seal intact?.....	Y
Custody seals on sample containers?.....	N
...If "yes", custody seal intact?.....	
Samples iced?.....	Y
Temperature of cooler acceptable? (4 deg C +/- 2).	Y 2.3,2.1,2.5
Samples received intact (good condition)?.....	Y
Volatile samples acceptable? (no headspace).....	
Correct containers used?.....	Y
Adequate sample volume provided?.....	Y
Samples preserved correctly?.....	Y
Samples received within holding-time?.....	Y
Agreement between COC and sample labels?.....	Y
Radioactivity at or below background levels?.....	Y
A Sample Discrepancy Report (SDR) was needed?.....	N
Residual Chlorine Check Required?	
If samples were shipped was there an air bill #?..	Y
Sample Custodian Signature/Date.....	Y



# CASE NARRATIVE

STL Chicago  
Extractable Hydrocarbon Case Narrative

SCS Engineers Inc.

GSA - SLOP

Job #: 238531-13 through 23, 26, and 27

Diesel Range Organics (DRO)

1. This soil sample was extracted based on SW846 method 3541. The extracts were analyzed for DRO based on SW846 method 8015B. An HP5890 gas chromatograph equipped with a flame ionization detector and Xti-5 column was used for the analysis.
2. All required holding times were met for the extraction and the analysis.
3. The method blank was below the reporting limit for DRO.
4. The surrogate compounds used for this analysis were o-Terphenyl and 2-Fluorobiphenyl. All surrogate recoveries associated with the method blank and blank spike were within statistical control limits.
5. The blank spike recovery was within statistical control limits. A solution of Diesel Fuel was used for spiking.
6. A matrix spike and a matrix spike duplicate were performed on sample 248531-17(SB1185-2). Due to concentration of target compound detected the MS and MSD were diluted 1/10 to be within linear range. Recoveries were out bias high due to concentrations detected.
7. A Diesel Fuel #2 standard was used for quantitating DRO results, using a hydrocarbon range from C10 through C32 to include "heavier" fuels such as Motor oil. An alkane standard ranging from C8 through C36 was analyzed to establish retention time windows.
8. All initial and continuing standard calibrations associated with this sample were in control.
9. This sample had DRO detected and appears to match a typical fuel-type pattern that is in Diesel fuel hydrocarbon range and "later" than Diesel fuel hydrocarbon range.

(b) (6)

Brenda J. Thompson  
Organics Supervisor

9-26-08  
Date

# QUALITY CONTROL SUMMARY

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number.: 248531 SURROGATE RECOVERIES REPORT Report Date.: 09/20/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP AITN: David Brewer

Method.....: TPH - Diesel Range Organics (DRO) Test Matrix...: 3541 Solid Prep Batch...: 189077  
 Method Code...: 8015D Batch(s).....: 189555

Lab ID	DT	Sample ID	Date	2FLUBP	OTERPH
LCS			09/15/2006	85	91
MB			09/15/2006	71	77
248531- 13		SB1155-2	09/15/2006	77 ✓	81 ✓
248531- 14		SB1155-3	09/15/2006	71	83
248531- 15		SB1165-4	09/15/2006	69	78
248531- 16		SB1175-4	09/15/2006	65	76
248531- 17		SB1185-2	09/15/2006	70	80
248531- 17 MS		SB1185-2	09/15/2006	77	112
248531- 17 MSD		SB1185-2	09/15/2006	83	107
248531- 18		SB1185-5	09/15/2006	70	85
248531- 19		SB1195-3	09/15/2006	58	74
248531- 20		SB1195-4	09/15/2006	61	80
248531- 21		SB1215-3	09/15/2006	59	92
248531- 22		SB1225-2	09/15/2006	69	83
248531- 23		SB1225-4	09/15/2006	57	81
248531- 26		SB1135-5	09/15/2006	69	89
248531- 27		SB1145-3	09/15/2006	73 ✓	82 ✓

Test	Test Description	Limits
2FLUBP	2-Fluorobiphenyl (surr)	41 - 118
OTERPH	o-Terphenyl (surr)	38 - 150

(b) (6)



QUALITY CONTROL RESULTS

Job Number.: 248531

Report Date.: 09/20/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
---------	-------------	------------	--------	-----------------	------	------

Test Method.....: 8015B MDRO Equipment Code....: INST09 Analyst....: san  
 Method Description.: TPH - Diesel Range Organics (DRO) Batch.....: 189555

MS	Matrix Spike	006IWLDEIA	248531-17	10.0000	09/15/2006	2235
----	--------------	------------	-----------	---------	------------	------

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	455.031		757.900	105.484	461	% 62-120	*

Job Number.: 248531

QUALITY CONTROL RESULTS

Report Date.: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
---------	-------------	------------	--------	-----------------	------	------

Test Method.....: 8015B MDRO

Equipment Code....: INST09

Analyst....: san

Method Description.: TPH - Diesel Range Organics (DRO)

Batch.....: 189555

MSD	Matrix Spike Duplicate	006IWL DIEA	248531-17	10.0000	09/15/2006	2311
-----	------------------------	-------------	-----------	---------	------------	------

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	220.729	455.031	756.800	105.484	152 101	% 62-120 R 30	* *

QUALITY CONTROL RESULTS

Job Number.: 248531

Report Date.: 09/20/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATEN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
---------	-------------	------------	--------	-----------------	------	------

Test Method.....: 8015B MDRO Equipment Code....: INST09 Analyst....: san  
 Method Description.: TPH - Diesel Range Organics (DRO) Batch.....: 189555

LCS	Laboratory Control Sample	006IWLDEA	189077-002		09/15/2006	0424
-----	---------------------------	-----------	------------	--	------------	------

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	57.647		66.670	4.199	U 86	% 62-120	

FORM 4  
TEPH METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

189077-MB

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 248531

Lab File ID: 09110609\_086

Lab Sample ID: 189077-1MB

Instrument ID: INST09

Date Extracted: 09/12/06

Matrix: (soil/water) SOIL

Date Analyzed: 09/15/06

Level: (low/med) LOW

Time Analyzed: 0348

GC Column: XTI-5

ID: 0.53(mm)

PCB Only : Sulfur Y\_\_N\_\_

PCB Only : GPC Clean-up Y\_\_N\_\_

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	189077-BS	189077-2LCS	09110609_087	09/15/06
02	SB1155-2	248531-13	09110609-088	09/15/06
03	SB1155-3	248531-14	09110609-089	09/15/06
04	SB1165-4	248531-15	09110609-090	09/15/06
05	SB1175-4	248531-16	09110609-091	09/15/06
06	SB1185-2	248531-17	09110609-092	09/15/06
07	SB1185-5	248531-18	09110609-105	09/15/06
08	SB1195-3	248531-19	09110609-106	09/15/06
09	SB1195-4	248531-20	09110609-107	09/15/06
10	SB1215-3	248531-21	09110609-108	09/15/06
11	SB1225-2	248531-22	09110609-109	09/15/06
12	SB1225-4	248531-23	09110609-110	09/15/06
13	SB1135-5	248531-26	09110609-111	09/15/06
14	SB1145-3	248531-27	09110609-112	09/15/06
15	SB1185-2MS	248531-17MS	09110609-117	09/15/06
16	SB1185-2MSD	248531-17MSD	09110609-118	09/15/06
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

(b) (6)

# SAMPLE DATA

STL Chicago

Job Number: 248531

L A B O R A T O R Y T E S T R E S U L T S

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1155-2  
 Date Sampled.....: 09/06/2006  
 Time Sampled.....: 08:00  
 Sample Matrix.....: Soil

Laboratory Sample ID: 248531-13  
 Date Received.....: 09/07/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solids	35			1.9	4.8	1.00000	mg/kg	189555		09/15/06 0501	san
Method	% Solids Determination % Solids, Solid % Moisture, Solid	85.4 14.6			0.10 0.10	0.10 0.10	1 1	%	188899 188899		09/09/06 1939 09/09/06 1939	clb clb

\* In Description = Dry Wgt.

Date: 15-SEP-2006 05:01

Client ID: SB1155-2

Sample Info: 091106.d\09.248531-13

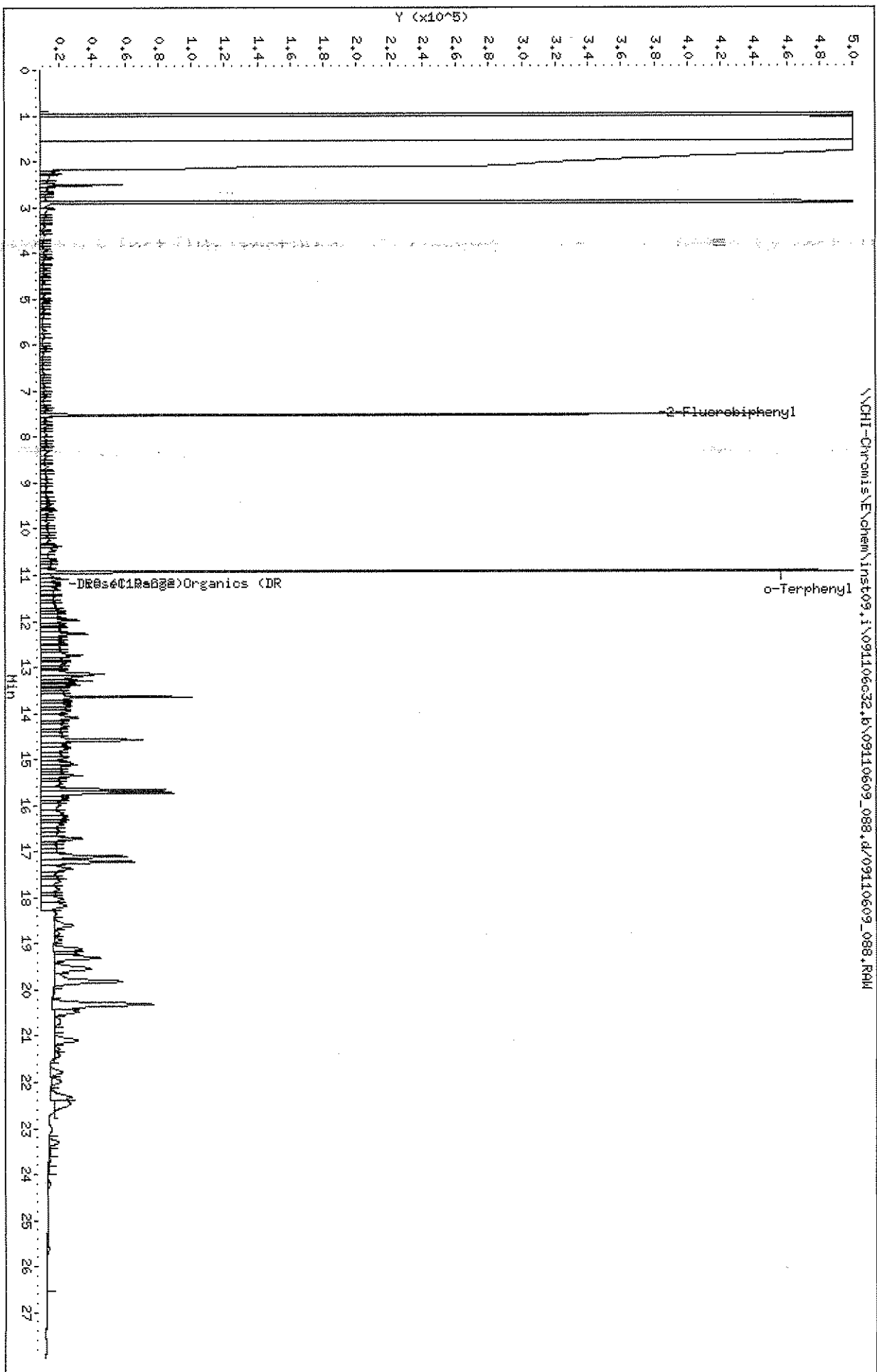
Volume Injected (µL): 2.0

Column phase: XT1-5

Instrument: inst09.i

Operator: werners

Column diameter: 0.53



STL Chicago

SW846 Method 8015

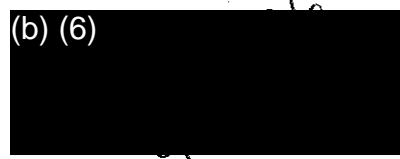
Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_088.d  
 Lab Smp Id: 248531-13 Client Smp ID: SB1155=2  
 Inj Date : 15-SEP-2006 05:01  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-13  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:34 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 88  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.411	Weight of sample extracted (g)
M	14.600	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.522	7.534	-0.012	1283356	15.3338	2.913
\$ 13 o-Terphenyl	10.930	10.941	-0.011	1636635	16.1992	3.077
S 14 DRO (C10-C32)	4.256-18.151			15069981	184.524	35.051
S 15 Diesel Range Organics (DRO)	4.256-18.151			15069981	184.524	35.051

(b) (6)





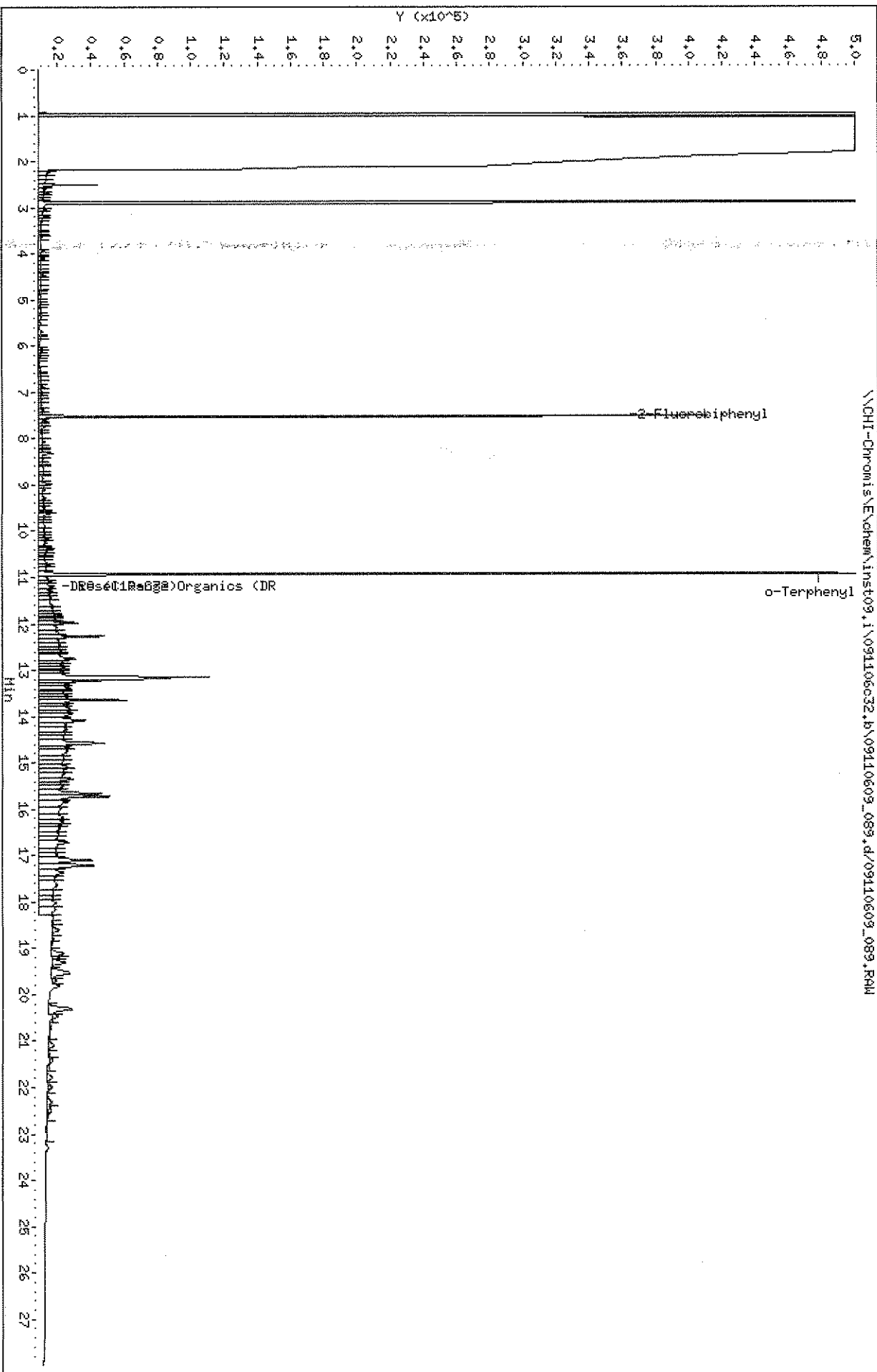
STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS											
Job Number: 248531					Date: 09/20/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
Customer Sample ID: SB1155-3 Date Sampled: 09/06/2006 Time Sampled: 08:10 Sample Matrix: Soil					Laboratory Sample ID: 248531-14 Date Received: 09/07/2006 Time Received: 10:00						
ATTN: David Brewer											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	35		2.0	4.9	1.00000	mg/Kg	189555		09/15/06 0537	san
Method	% Solids Determination	83.7		0.10	0.10	1	%	188899		09/09/06 1942	clb
	% Solids, Solid	16.3		0.10	0.10	1	%	188899		09/09/06 1942	clb
	% Moisture, Solid										

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_089.d  
Date: 15-SEP-2006 05:37  
Client ID: SB155-3  
Sample Info: 091106\_dro09\_248531-14  
Volume Injected (uL): 20  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_089.d  
 Lab Smp Id: 248531-14 Client Smp ID: SB1155-3  
 Inj Date : 15-SEP-2006 05:37  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro9,248531-14  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:34 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 89  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.339	Weight of sample extracted (g)
M	16.300	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.522	7.534	-0.012	1189233	14.2092	2.767
\$ 13 o-Terphenyl	10.930	10.941	-0.011	1677309	16.6018	3.233
S 14 DRO (C10-C32)	4.256-18.151			14584371	178.578	34.773
S 15 Diesel Range Organics (DRO)	4.256-18.151			14584371	178.578	34.773

(b) (6)

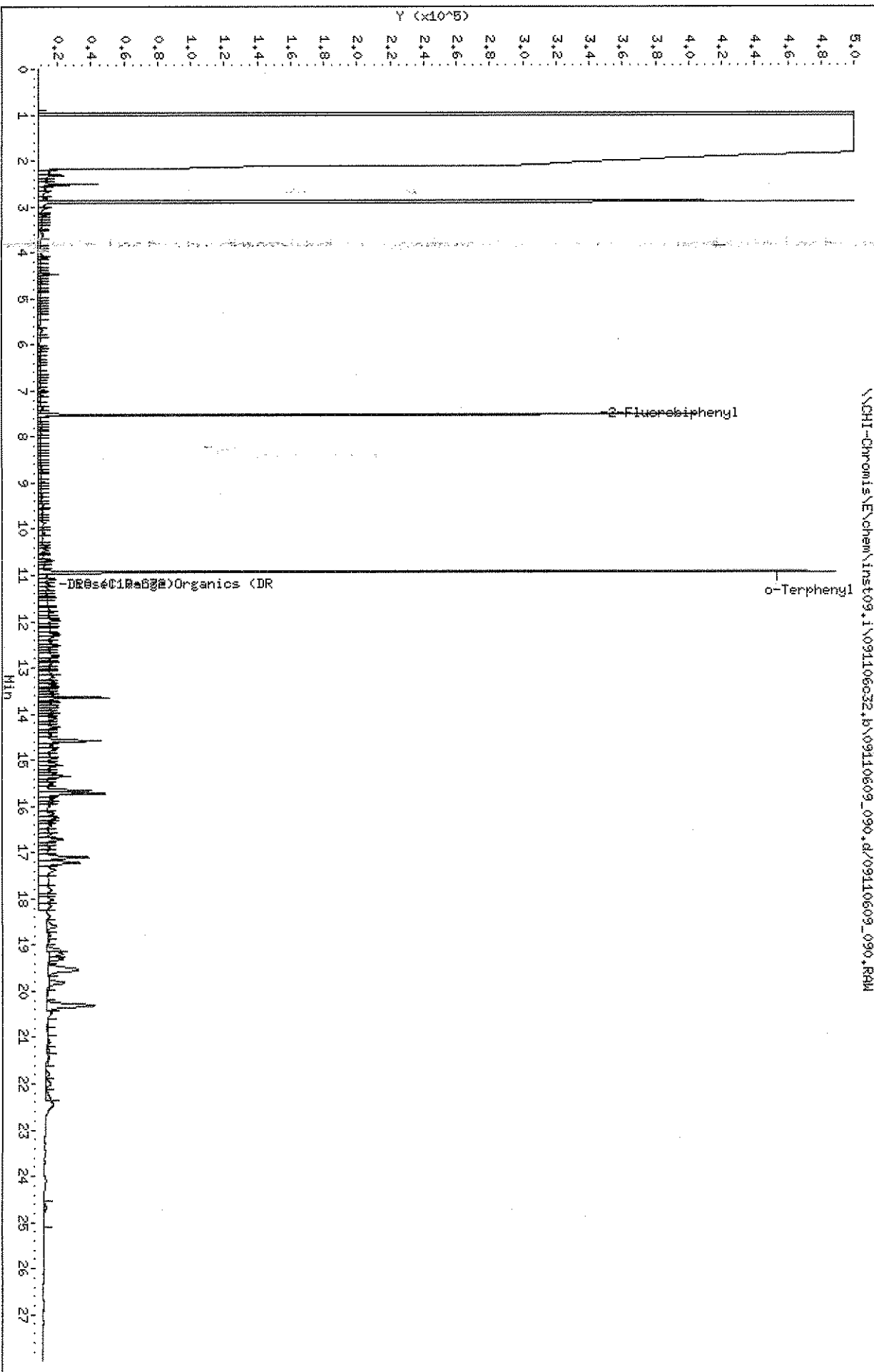


LABORATORY TEST RESULTS												
Job Number: 248531					Date: 09/20/2006							
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA -- SLOP							
ATTN: David Brewer												
Customer Sample ID: SB1165-4					Laboratory Sample ID: 248531-15							
Date Sampled: 09/06/2006					Date Received: 09/07/2006							
Time Sampled: 11:00					Time Received: 10:00							
Sample Matrix: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO)	21			2.1	5.1	1.00000	mg/kg	189555		09/15/06 0613	san
	Diesel Range Organics (DRO), 3541 Solid*											
Method	% Solids Determination	79.9			0.10	0.10	1	%	188899		09/09/06 1945	clb
	% Solids, Solid	20.1			0.10	0.10	1	%	188899		09/09/06 1945	clb
	% Moisture, Solid											

\* In Description = Dry Wgt.

Date: 15-SEP-2006 06:13  
Client ID: SB1165-4  
Sample Info: 091106.d\09.248531-15  
Volume Injected (uL): 250  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_090.d  
Lab Smp Id: 248531-15 Client Smp ID: SB1165=4  
Inj Date : 15-SEP-2006 06:13  
Operator : werners Inst ID: inst09.i  
Smp Info : 091106,dro09,248531-15  
Misc Info : dc=  
Comment : HP5890 FID XTi-5  
Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
Meth Date : 20-Sep-2006 14:34 werners Quant Type: ESTD  
Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
Als bottle: 90  
Dil Factor: 1.00000  
Integrator: HP Genie Compound Sublist: 8015dro.sub  
Target Version: 4.04  
Processing Host: CHI-GROUPER

Concentration Formula:  $Amt * DF * (Uf * Vt / ((Vi * Ws * 1000) * (100-M)/100))$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.472	Weight of sample extracted (g)
M	20.100	% Moisture

Compounds						CONCENTRATIONS	
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng/ul)	FINAL (mg/Kg)	
\$ 8 2-Fluorobiphenyl	7.522	7.534	-0.012	1158077	13.8370	2.798	
\$ 13 o-Terphenyl	10.930	10.941	-0.011	1584901	15.6871	3.172	
S 14 DRO (C10-C32)	4.256-18.151			8647161	105.880	21.412	
S 15 Diesel Range Organics (DRO)	4.256-18.151			8647161	105.880	21.412	

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1175-4  
 Date Sampled.....: 09/06/2006  
 Time Sampled.....: 11:45  
 Sample Matrix.....: Soil

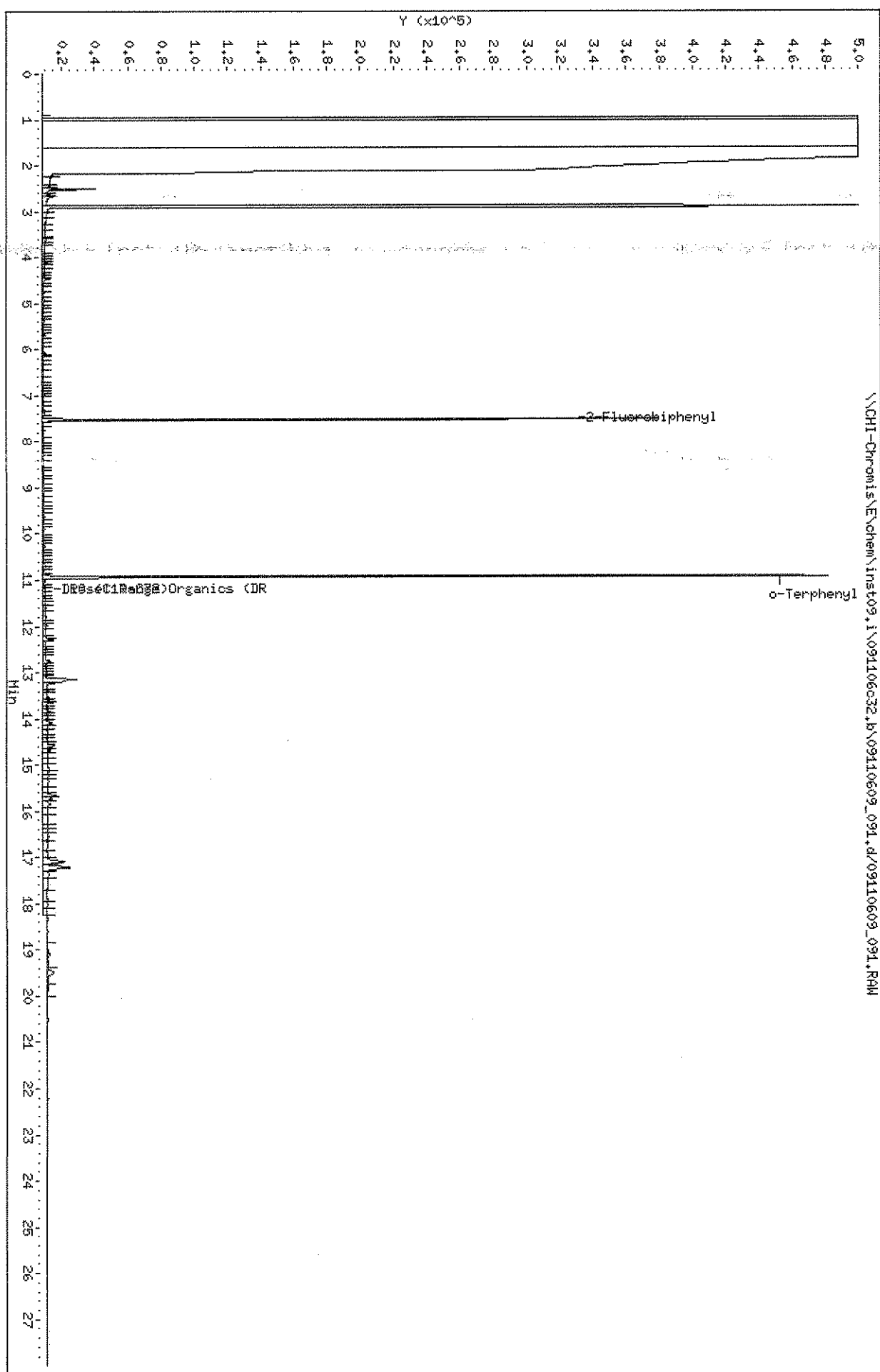
Laboratory Sample ID: 248531-16  
 Date Received.....: 09/07/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	8.8		2.1	5.2	1.00000	mg/Kg	188899		09/15/06 0649	san
Method	% Solids Determination % Solids, Solid % Moisture, Solid	78.9 21.1		0.10 0.10	0.10 0.10	1 1	% %	188899 188899		09/09/06 1948 09/09/06 1948	clb clb

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_091.d  
Date : 15-SEP-2006 06:49  
Client ID: SB1175-4  
Sample Info: 091106\_0909\_248531-15  
Volume Injected (uL): 200  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53





STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_091.d  
 Lab Smp Id: 248531-16 Client Smp ID: SB1175=4  
 Inj Date : 15-SEP-2006 06:49  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-16  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:34 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 91  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula:  $Amt * DF * (Uf * Vt / ((Vi * Ws * 1000) * (100-M)/100))$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.228	Weight of sample extracted (g)
M	21.100	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.522	7.534	-0.012	1085880	12.9744	2.700
\$ 13 o-Terphenyl	10.930	10.941	-0.011	1527733	15.1213	3.146
S 14 DRO (C10-C32)	4.256-18.151			3460176	42.3681	8.816
S 15 Diesel Range Organics (DRO)	4.256-18.151			3460176	42.3681	8.816

(b) (6)

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LABORATORY TEST RESULTS											
Job Number: 248531					Date: 09/20/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA -- SLOP						
ATTN: David Brewer											
Customer Sample ID: SB1185-2					Laboratory Sample ID: 248531-17						
Date Sampled.....: 09/06/2006					Date Received.....: 09/07/2006						
Time Sampled.....: 13:10					Time Received.....: 10:00						
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH -- Diesel Range Organics (DRO)	110		2.0	4.8	1.00000	mg/Kg	189555		09/15/06 0726	san
	Diesel Range Organics (DRO), 3541 Solid*										
Method	% Solids Determination	85.8		0.10	0.10	1	%	188899		09/09/06 1951	clb
	% Solids, Solid	14.2		0.10	0.10	1	%	188899		09/09/06 1951	clb
	% Moisture, Solid										

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_092.d

Date: 15-SEP-2006 07:26

Client ID: SB4385-2

Instrument: inst09.i

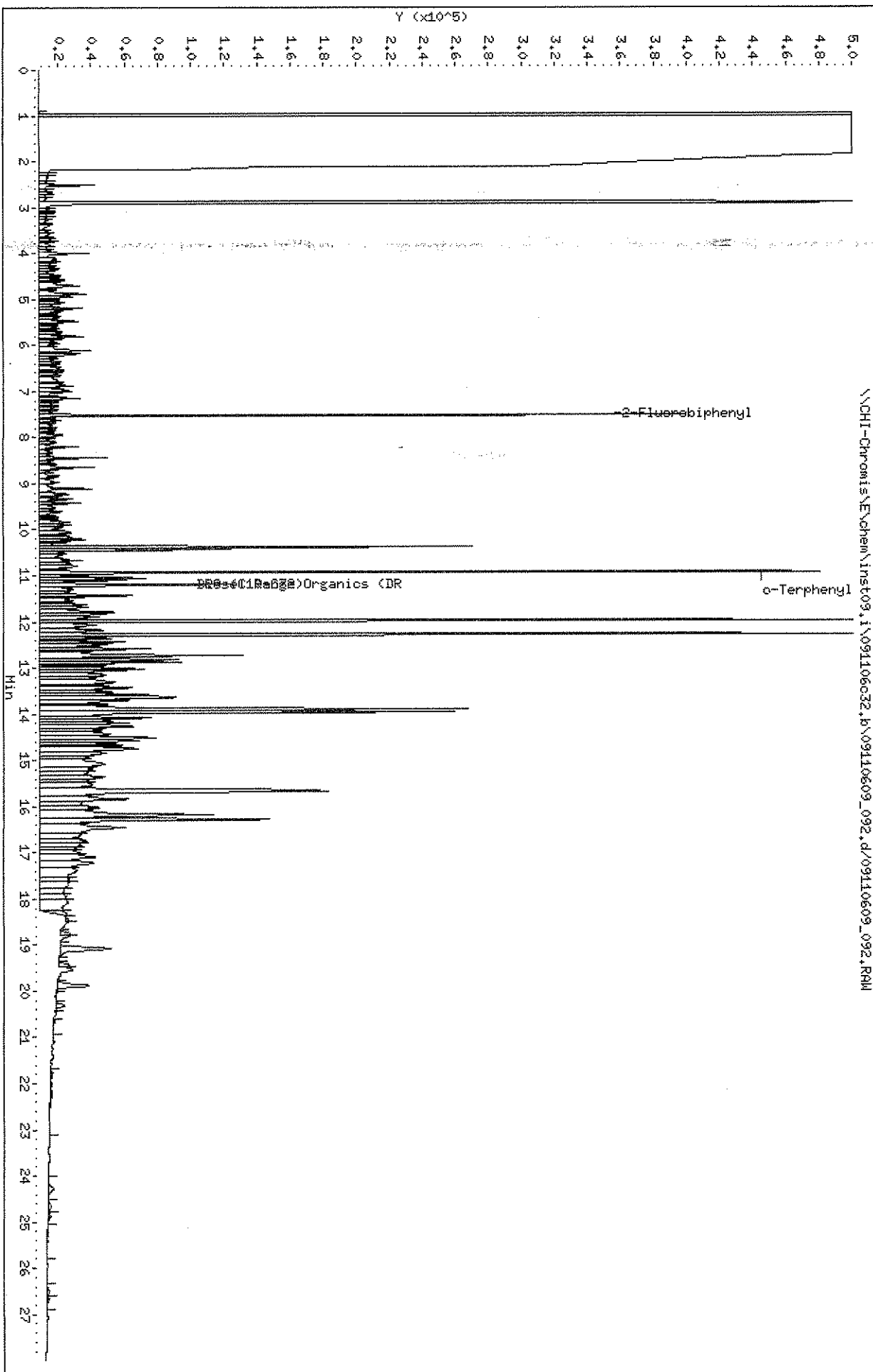
Sample Info: 091106.dro09,248534-17

Volume Injected (uL): 250

Operator: werners

Column phase: XT1-5

Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_092.d  
 Lab Smp Id: 248531-17 Client Smp ID: SB1185-2  
 Inj Date : 15-SEP-2006 07:26  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-17  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:34 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 92  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (u1)
Vi	2.000	Volume injected (u1)
Ws	15.203	Weight of sample extracted (g)
M	14.200	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/u1)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.522	7.534	-0.012	1179846	14.0971	2.702
\$ 13 o-Terphenyl	10.930	10.941	-0.011	1611545	15.9509	3.057
S 14 DRO (C10-C32)	4.256-18.151			44949761	550.387	105.48
S 15 Diesel Range Organics (DRO)	4.256-18.151			44949761	550.387	105.48

(b) (6)

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LABORATORY TEST RESULTS											
Job Number: 248531					Date: 09/20/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
Customer Sample ID: SB1185-5 Date Sampled: 09/06/2006 Time Sampled: 13:25 Sample Matrix: Soil					Laboratory Sample ID: 248531-18 Date Received: 09/07/2006 Time Received: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	22		1.9	4.7	1.00000	mg/Kg	189555		09/15/06 1520	san
Method	% Solids Determination % Solids, Solid % Moisture, Solid	86.8 13.2		0.10 0.10	0.10 0.10	1 1	% %	188899 188899		09/09/06 1953 09/09/06 1953	clb clb

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_105.d

Date: 15-SEP-2006 15:20

Client ID: SB1185-5

Instrument: inst09.i

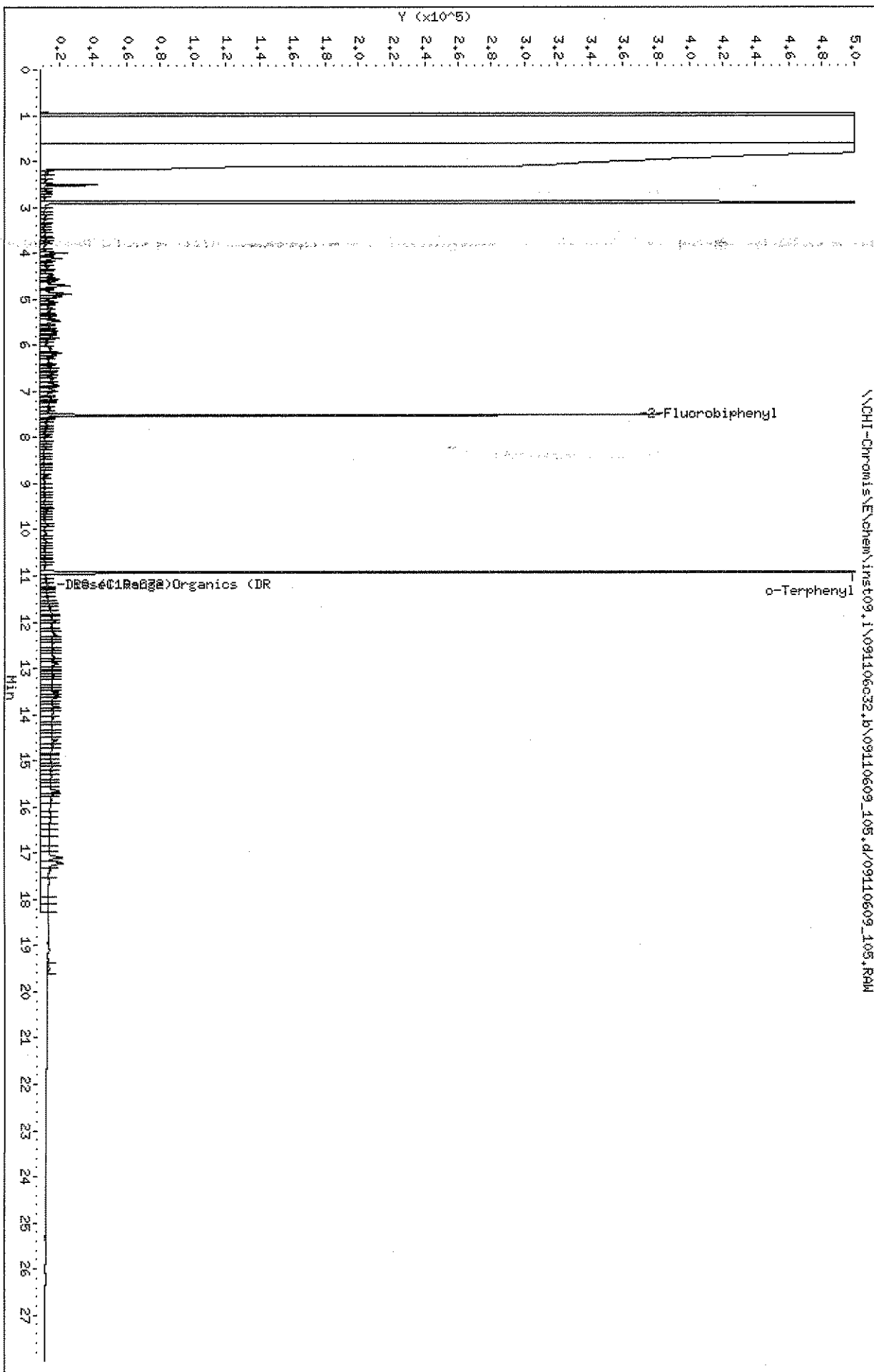
Sample Info: 091106.d\009,248531-18

Volume Injected (µL): 2.0

Operator: werners

Column Phase: XT1-5

Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_105.d  
 Lab Smp Id: 248531-18 Client Smp ID: SB1185-5  
 Inj Date : 15-SEP-2006 15:20  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-18  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: I05  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.310	Weight of sample extracted (g)
M	13.200	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.521	7.534	-0.013	1167718	13.9522	2.625
\$ 13 o-Terphenyl	10.929	10.941	-0.012	1726278	17.0865	3.214
S 14 DRO (C10-C32)	4.256-18.151			9390426	114.981	21.631
S 15 Diesel Range Organics (DRO)	4.256-18.151			9390426	114.981	21.631

(b) (6)

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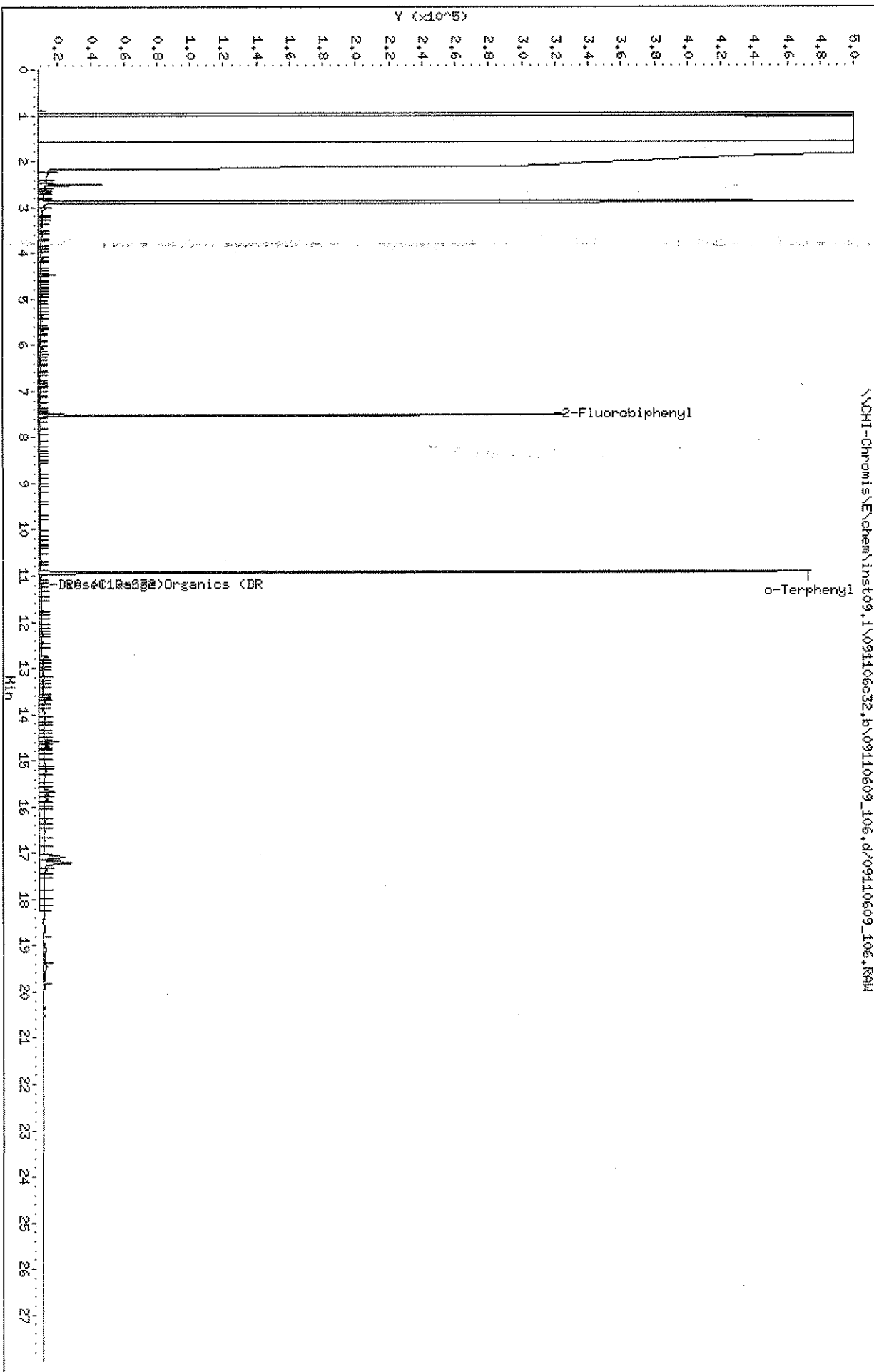
LABORATORY TEST RESULTS											
Job Number: 248531					Date: 09/20/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
ATTN: David Brewer											
Customer Sample ID: SB1195-3					Laboratory Sample ID: 248531-19						
Date Sampled: 09/06/2006					Date Received: 09/07/2006						
Time Sampled: 14:05					Time Received: 10:00						
Sample Matrix: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 solid*	9.3		2.1	5.2	1.00000	mg/Kg	189555		09/15/06 1556	sah
Method	% Solids Determination	78.8		0.10	0.10	1	%	188899		09/09/06 1956	clb
	% Solids, Solid	21.2		0.10	0.10	1	%	188899		09/09/06 1956	clb
	% Moisture, Solid										

\* In Description = Dry Wgt.



Data File: \\CHI-Chromis\E\chem\inst09.1\091106032.b\09110609\_106.d  
Date : 15-SEP-2006 15:56  
Client ID: SB1195-3  
Sample Info: 091106.d\009.248531-19  
Volume Injected (uL): 20  
Column phase: XT1-5

Instrument: inst09.1  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_106.d  
 Lab Smp Id: 248531-19 Client Smp ID: SB1195-3  
 Inj Date : 15-SEP-2006 15:56  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-19  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 106  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.374	Weight of sample extracted (g)
M	21.200	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.521	7.534	-0.013	975730	11.6583	2.406
\$ 13 o-Terphenyl	10.927	10.941	-0.014	1499678	14.8436	3.063
S 14 DRO (C10-C32)	4.256-18.151			3680052	45.0604	9.299
S 15 Diesel Range Organics (DRO)	4.256-18.151			3680052	45.0604	9.299

(b) (6)



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LABORATORY TEST RESULTS											
Job Number: 248531					Date: 09/20/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
ATTN: David Brewer											
Customer Sample ID: SB1195-4					Laboratory Sample ID: 248531-20						
Date Sampled: 09/06/2006					Date Received: 09/07/2006						
Time Sampled: 14:25					Time Received: 10:00						
Sample Matrix: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO)	12		2.0	5.0	1.00000	mg/Kg	189555		09/15/06 1632	san
	Diesel Range Organics (DRO), 3541 Solid*										
Method	% Solids Determination	81.1		0.10	0.10	1	%	188899		09/09/06 1959	clb
	% Solids, Solid	18.9		0.10	0.10	1	%	188899		09/09/06 1959	clb
	% Moisture, Solid										

\* In Description = Dry Wgt.

Date: 15-SEP-2006 16:32

Client ID: SB1195-4

Instrument: inst09,1

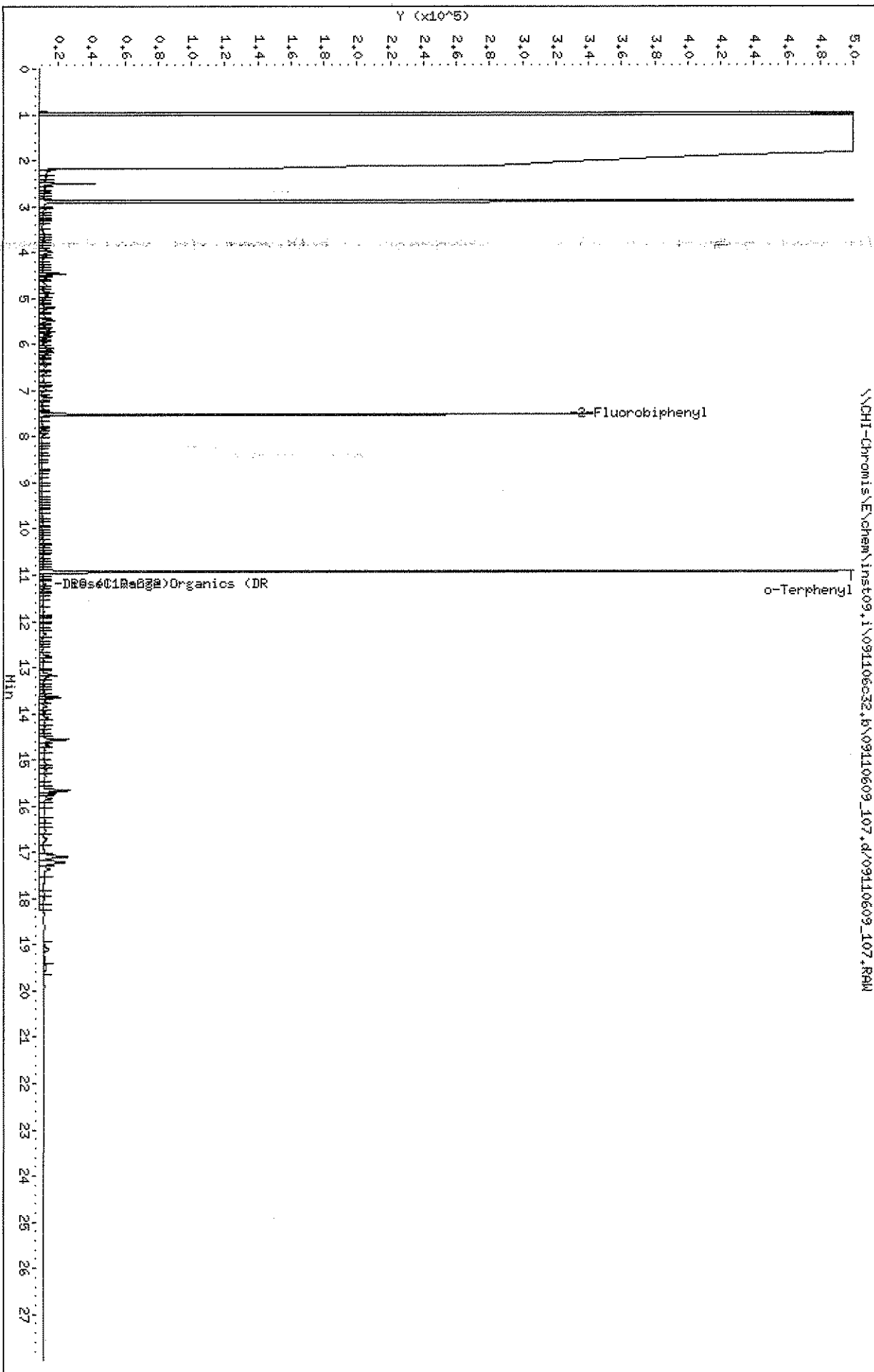
Sample Info: 091106\_drc09,248531-20

Volume Injected (uL): 20

Operator: werners

Column phase: XT1-5

Column diameter: 0.53



STL Chicago

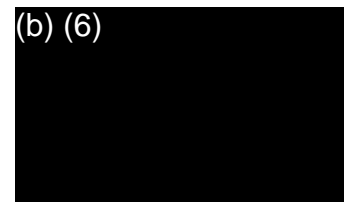
SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_107.d  
 Lab Smp Id: 248531-20 Client Smp ID: SB1195-4  
 Inj Date : 15-SEP-2006 16:32  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-20  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 107  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.579	Weight of sample extracted (g)
M	18.900	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.521	7.534	-0.013	1026476	12.2646	2.427
\$ 13 o-Terphenyl	10.928	10.941	-0.013	1617473	16.0095	3.168
S 14 DRO (C10-C32)	4.256-18.151			5097642	62.4181	12.351
S 15 Diesel Range Organics (DRO)	4.256-18.151			5097642	62.4181	12.351



Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1215-3  
 Date Sampled.....: 09/06/2006  
 Time Sampled.....: 15:10  
 Sample Matrix.....: Soil

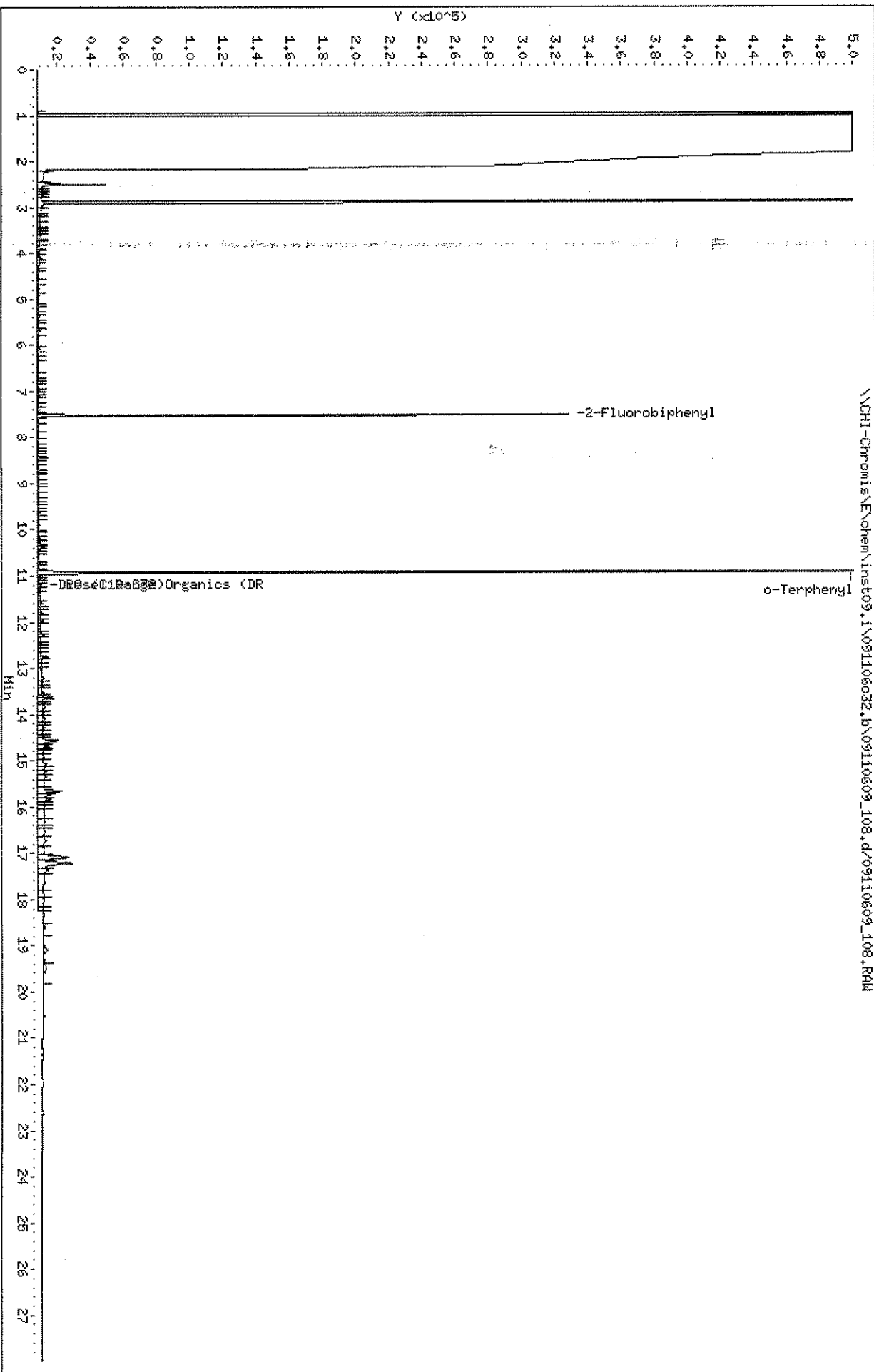
Laboratory Sample ID: 248531-21  
 Date Received.....: 09/07/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid#	9.9			2.1	5.2	1.00000	mg/kg	189555		09/15/06 1708	san
Method	% Solids Determination % Solids, Solid % Moisture, Solid	80.1 19.9			0.10 0.10	0.10 0.10	1 1	% %	188859 188859		09/08/06 1259 09/08/06 1259	lp lp

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_108.d  
Date: 15-SEP-2006 17:08  
Client ID: SB1215-3  
Sample Infor: 091106.d\09.248534-21  
Volume Injected (uL): 210  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_108.d  
 Lab Smp Id: 248531-21 Client Smp ID: SB1215-3  
 Inj Date : 15-SEP-2006 17:08  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-21  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 108  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt/((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.121	Weight of sample extracted (g)
M	19.900	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.520	7.534	-0.014	994315	11.8803	2.452
\$ 13 o-Terphenyl	10.927	10.941	-0.014	1858459	18.3948	3.797
S 14 DRO (C10-C32)	4.256-18.151			3902820	47.7881	9.864
S 15 Diesel Range Organics (DRO)	4.256-18.151			3902820	47.7881	9.864





Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1225-2  
 Date Sampled: 09/06/2006  
 Time Sampled: 16:20  
 Sample Matrix: Soil

Laboratory Sample ID: 248531-22  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 solid#	18			2.0	5.0	1.00000	mg/Kg	189555		09/15/06 1745	san
Method	% Solids Determination % Solids, Solid % Moisture, Solid	81.9 18.1			0.10 0.10	0.10 0.10	1 1	%	188859 188859		09/08/06 1301 09/08/06 1301	lp lp

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.1\091106032.B\09110609\_109.d

Date : 15-SEP-2006 17:49

Client ID: SBI225-2

Sample Info: 091106.d\09.248531-22

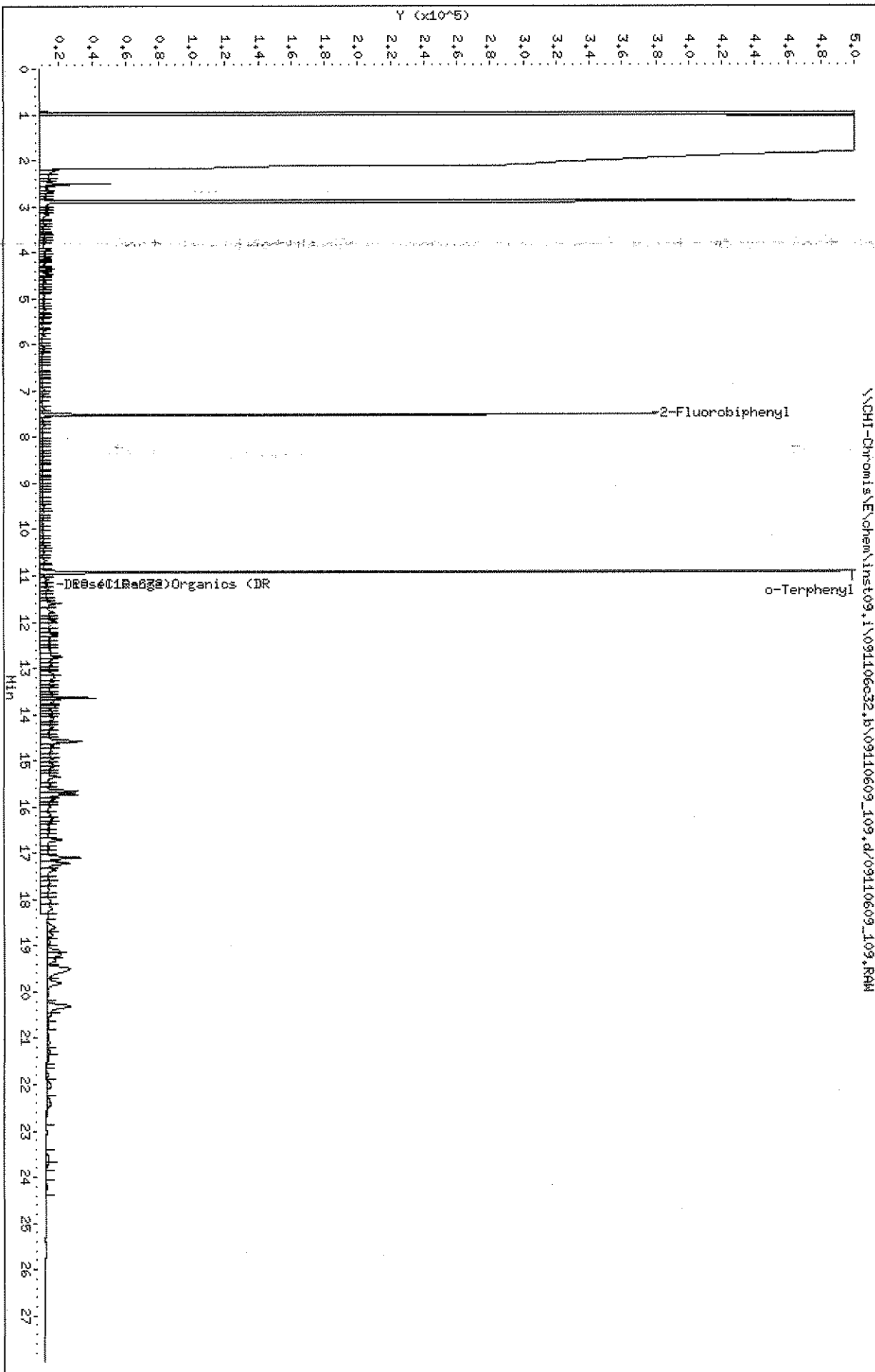
Volume Injected (uL): 2.0

Column phase: XT1-5

Instrument: inst09.i

Operator: werners

Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_109.d  
 Lab Smp Id: 248531-22 Client Smp ID: SB1225-2  
 Inj Date : 15-SEP-2006 17:45  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-22  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 109  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula:  $Amt * DF * (Uf * Vt / ((Vi * Ws * 1000) * (100-M)/100))$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.283	Weight of sample extracted (g)
M	18.100	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.521	7.534	-0.013	1149696	13.7368	2.744
\$ 13 o-Terphenyl	10.927	10.941	-0.014	1668251	16.5121	3.298
S 14 DRO (C10-C32)	4.256-18.151			7386089	90.4390	18.064
S 15 Diesel Range Organics (DRO)	4.256-18.151			7386089	90.4390	18.064

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1225-4  
 Date Sampled.....: 09/06/2006  
 Time Sampled.....: 16:40  
 Sample Matrix.....: Soil

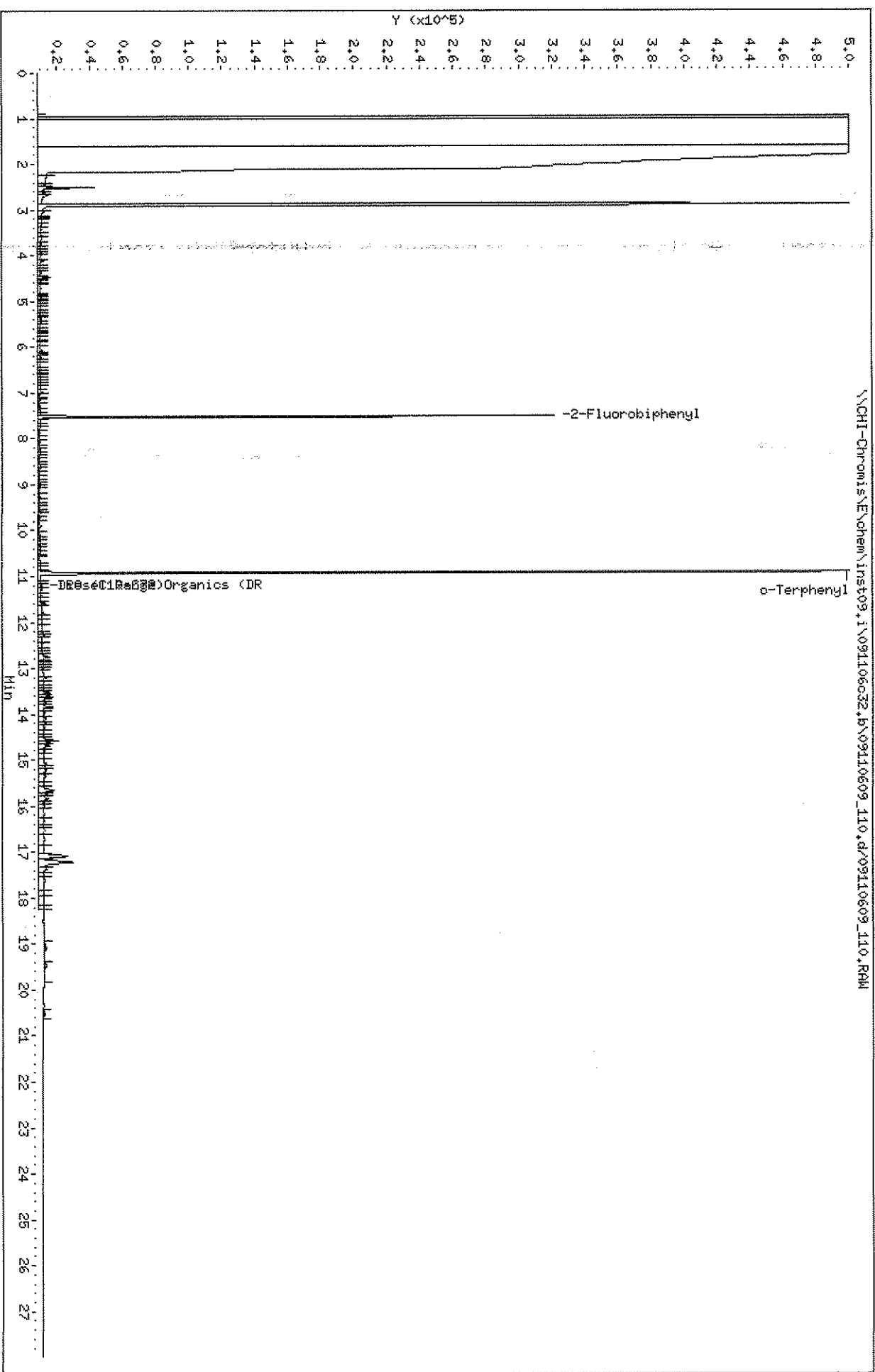
Laboratory Sample ID: 248531-23  
 Date Received.....: 09/07/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid#	11			2.1	5.3	1.00000	mg/kg	189555		09/15/06 1821	san
Method	% Solids Determination % Solids, Solid % Moisture, Solid	77.9 22.1			0.10 0.10	0.10 0.10	1 1	%	188859 188859		09/08/06 1303 09/08/06 1303	lp lp

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.1\091106032.b\09110609\_110.d  
Date: 15-SEP-2006 18:21  
Client ID: SBI225-4  
Sample Info: 091106.d\09.248534-23  
Volume Injected (uL): 2.0  
Column phase: XT1-5

Instrument: inst09.1  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_110.d  
 Lab Smp Id: 248531-23 Client Smp ID: SB1225=4  
 Inj Date : 15-SEP-2006 18:21  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-23  
 Misc Info : dc=  
 Comment : HP5890 FID XTj-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 110  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt/((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.359	Weight of sample extracted (g)
M	22.100	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.520	7.534	-0.014	960410	11.4752	2.398
\$ 13 o-Terphenyl	10.927	10.941	-0.014	1633900	16.1721	3.379
S 14 DRO (C10-C32)	4.256-18.151			4276400	52.3624	10.941
S 15 Diesel Range Organics (DRO)	4.256-18.151			4276400	52.3624	10.941

(b) (6)



Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1135-5  
 Date Sampled: 09/05/2006  
 Time Sampled: 17:30  
 Sample Matrix: Soil

Laboratory Sample ID: 248531-26  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid	4.7	J	a	2.0	5.0	1.00000	mg/Kg	189555		09/15/06 1857	san
Method	% Solids Determination % Solids, Solid % Moisture, Solid	79.8 20.2			0.10 0.10	0.10 0.10	1 1	%	188859 188859		09/08/06 1308 09/08/06 1308	lp lp

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_111.d

Date: 15-SEP-2006 18:57

Client ID: SB1135-5

Sample Info: 091106.d\09.248531-26

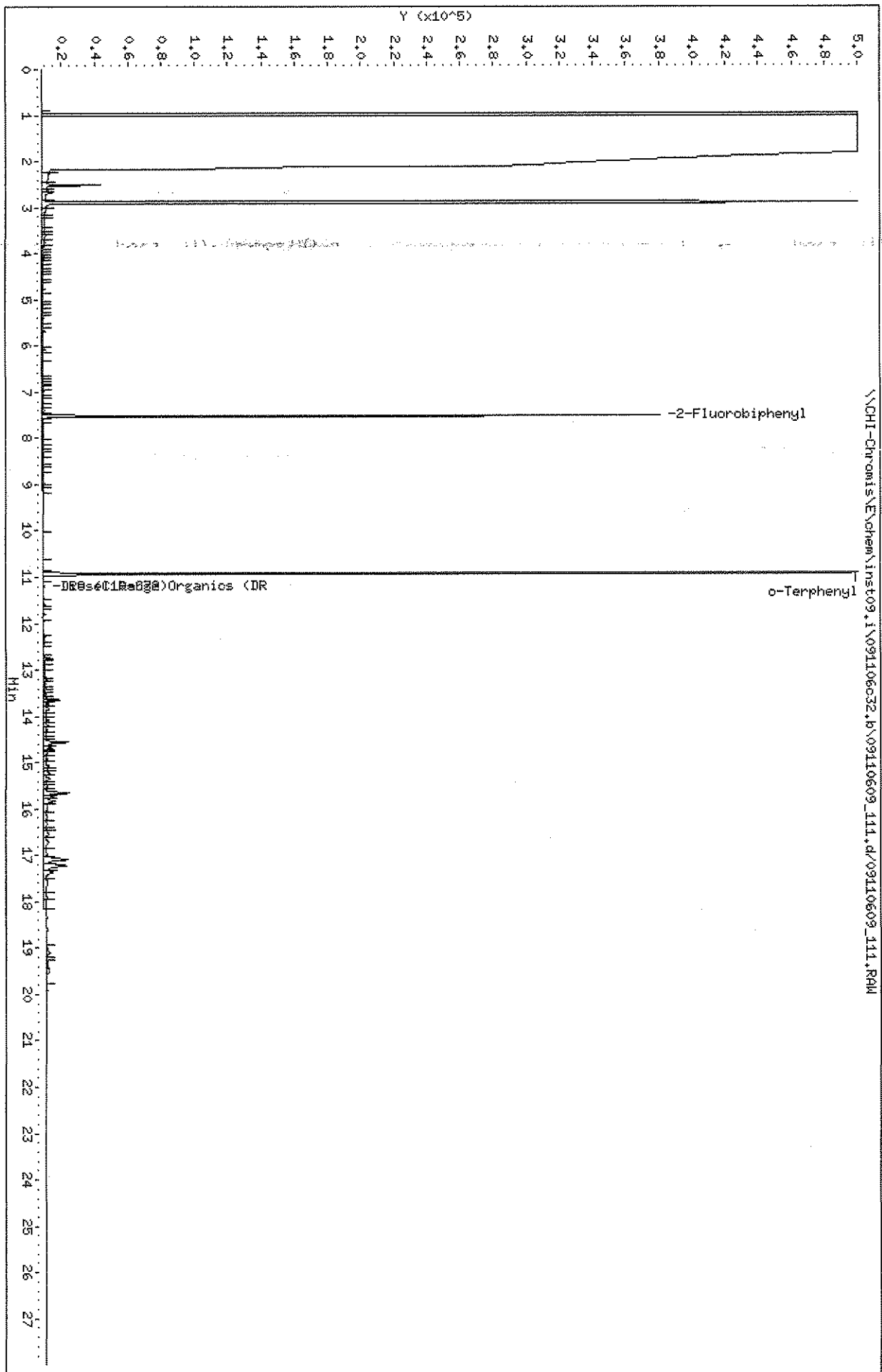
Volume Injected (uL): 2.0

Column phase: XT1-5

Instrument: inst09.i

Operator: werners

Column diameter: 0.53





STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_111.d  
 Lab Smp Id: 248531-26 Client Smp ID: SB1135-5  
 Inj Date : 15-SEP-2006 18:57  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-26  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 111  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt/((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.903	Weight of sample extracted (g)
M	20.200	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.520	7.534	-0.014	1161196	13.8742	2.733
\$ 13 o-Terphenyl	10.926	10.941	-0.015	1801565	17.8317	3.513
S 14 DRO (C10-C32)	4.256-18.151			1963926	24.0473	4.737(a)
S 15 Diesel Range Organics (DRO)	4.256-18.151			1963926	24.0473	4.737(a)

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1145-3  
 Date Sampled.....: 09/05/2006  
 Time Sampled.....: 18:00  
 Sample Matrix.....: Soil

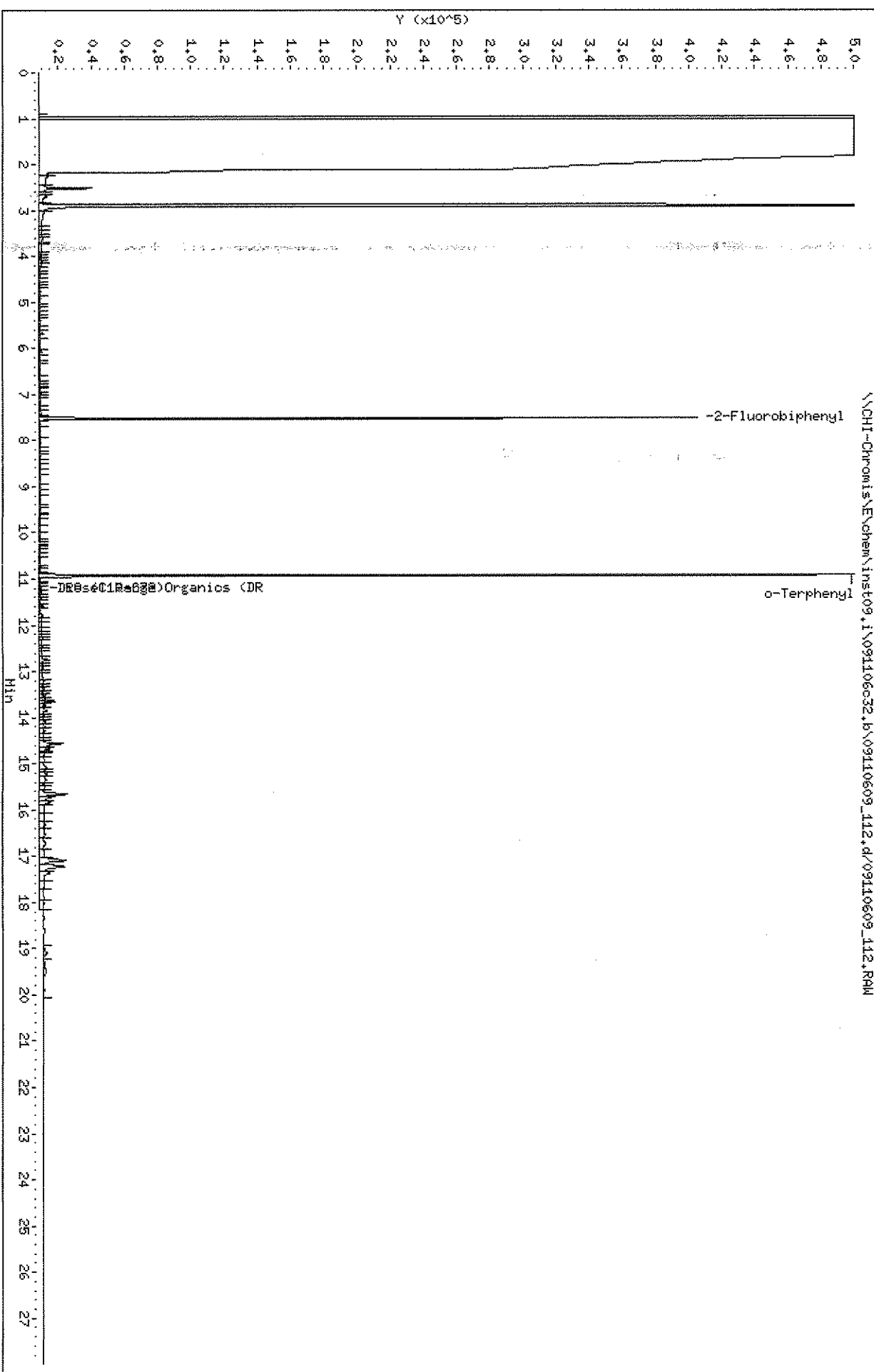
Laboratory Sample ID: 248531-27  
 Date Received.....: 09/07/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	8.0			2.0	5.1	1.00000	mg/Kg	189555		09/15/06 1935	san
Method	% Solids Determination	78.4			0.10	0.10	1	%	188859		09/08/06 1310	lp
	% Moisture, Solid	21.6			0.10	0.10	1	%	188859		09/08/06 1310	lp

\* In Description = Dry Wgt.

Data File: \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_112.d  
 Date: 15-SEP-2006 19:33  
 Client ID: SB1145-3  
 Sample Info: 091106.d\009,248531-27  
 Volume Injected (uL): 2.0  
 Column phase: XT1-5

Instrument: inst09.i  
 Operator: werners  
 Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_112.d  
 Lab Smp Id: 248531-27 Client Smp ID: SB1145-3  
 Inj Date : 15-SEP-2006 19:33  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-27  
 Misc Info : dc=  
 Comment : HP5890 FID XTj-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 112  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: 8015dro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.908	Weight of sample extracted (g)
M	21.600	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.520	7.534	-0.014	1229209	14.6869	2.944
\$ 13 o-Terphenyl	10.926	10.941	-0.015	1655031	16.3813	3.284
S 14 DRO (C10-C32)	4.256-18.151			3262139	39.9433	8.007
S 15 Diesel Range Organics (DRO)	4.256-18.151			3262139	39.9433	8.007

(b) (6)



# STANDARDS DATA

### DRO/Diesel Fuel Standard Concentrations

<b>Calibration Standards</b>	Diesel 25	Diesel 100	Diesel 250	Diesel 500	Diesel 750	Diesel 1000	
Diesel Fuel	25	100	250	500	750	1000	µg/mL
2-Fluorobiphenyl	1.0	5.0	10	25	35	50	
o-Terphenyl	1.0	5.0	10	25	35	50	

### Surrogate Concentrations

2-Fluorobiphenyl	200 µg/mL
o-Terphenyl	200

### Spike Concentration

Diesel Fuel	4000 µg/mL
-------------	------------

### C8-C40 RT Standard

C8, C10, C12, C14, C16, C18, C20, C22, C24, C26, C28, C30, C32, C34, C36, C38, C40	10 µg/mL each
2-Fluorobiphenyl	10 µg/mL
o-Terphenyl	10 µg/mL

FORM 6  
TEPH INITIAL CALIBRATION DATA

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Instrument ID: INST09

Calibration Date(s): 09/11/06 09/11/06

Column: XTI-5

ID: 0.53 (mm)

Calibration Time(s): 1504

1805

LAB FILE ID: CF25: 09110609 007CF100: 09110609 00CF250: 09110609 00  
CF500: 09110609\_00CF750: 09110609\_00

COMPOUND	CF25	CF100	CF250	CF500	CF750
Diesel Range Organics (DRO)_	95586	88765	79626	73206	78957
DRO (C10-C32)	95586	88765	79626	73206	78957
2-Fluorobiphenyl	91445	82176	90881	79779	86503
o-Terphenyl	117783	98681	109169	94790	102063

(b) (6)

FORM VI TEPH

FORM 6  
TEPH INITIAL CALIBRATION DATA

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Instrument ID: INST09

Calibration Date(s): 09/11/06 09/11/06

Column: XTI-5 ID: 0.53 (mm)

Calibration Time(s): 1504 1805

CF1000: 09110609 0

COMPOUND	CF1000	CURVE	avCF OR A1	%RSD OR R <sup>2</sup>
Diesel Range Organics (DRO)	73876	AVRG	81669	10.8
DRO (C10-C32)	73876	AVRG	81669	10.8
2-Fluorobiphenyl	71381	AVRG	83694	9.1
o-Terphenyl	83704	AVRG	101032	11.6

(b) (6)

FORM VI TEPH





RETENTION TIMES  
TEPH IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

STANDARD

DIESELCCV3

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Lab Sample ID: DIESELCCV3

Date/Time Analyzed: 09/11/06 1842

Instrument ID: INST09

GC Column: XTI-5

ID: 0.53(mm)

Data File: //CHI-Chromis/E/chem/inst09.i/091106c32.b/09110609\_008.d

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	N/A
			FROM	TO			
Diesel Range XTI-5	1	11.20	4.26	18.15	230.34	230.34	
	2						
	3						
	4						
	5						
DRO (C10-C32) XTI-5	1	11.20	4.26	18.15	230.34	230.34	
	2						
	3						
	4						
	5						
2-Fluorobiph XTI-5	1	7.53	7.50	7.56	9.335	9.335	
	2						
	3						
	4						
	5						
o-Terphenyl XTI-5	1	10.94	10.91	10.97	9.384	9.384	
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM 3  
WATER TEPH LAB CONTROL SAMPLE

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Matrix Spike - Sample No.: DIESELSSV

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (mg/L)	LCS % REC #	QC LIMITS REC.
Diesel Range Organics (	1.250		1.181	94	85-115

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 1 outside limits

COMMENTS:

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FORM III TEPH

RETENTION TIMES  
TEPH IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

STANDARD

DIESELSSV

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Lab Sample ID: DIESELSSV

Date/Time Analyzed: 09/11/06 1918

Instrument ID: INST09

GC Column: XTI-5

ID: 0.53(mm)

Data File: //CHI-Chromis/E/chem/inst09.i/091106c32.b/09110609\_009.d

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN	N/A
			FROM	TO		CONCENTRATION	
Diesel Range XTI-5	1	11.20	4.26	18.15	1.181	1.181	
	2						
	3						
	4						
	5						
DRO (C10-C32) XTI-5	1	11.20	4.26	18.15	1.181	1.181	
	2						
	3						
	4						
	5						
2-Fluorobiph XTI-5	1	7.53	7.50	7.56	0.04935	0.04935	
	2						
	3						
	4						
	5						
o-Terphenyl XTI-5	1	10.94	10.91	10.97	0.04755	0.04755	
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.



RETENTION TIMES  
TEPH IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

STANDARD

DIESELCCV3

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Lab Sample ID: DIESELCCV3

Date/Time Analyzed: 09/15/06 0312

Instrument ID: INST09

GC Column: XTI-5

ID: 0.53(mm)

Data File: //CHI-Chromis/E/chem/inst09.i/091106c32.b/09110609\_085.d

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	N/A
			FROM	TO			
Diesel Range XTI-5	1	11.20	4.26	18.15	245.10	245.10	
	2						
	3						
	4						
	5						
DRO (C10-C32 XTI-5)	1	11.20	4.26	18.15	245.10	245.10	
	2						
	3						
	4						
	5						
2-Fluorobiph XTI-5	1	7.52	7.50	7.56	9.721	9.721	
	2						
	3						
	4						
	5						
o-Terphenyl XTI-5	1	10.93	10.91	10.97	9.884	9.884	
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.



RETENTION TIMES  
TEPH IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

STANDARD

DIESELCCV4

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Lab Sample ID: DIESELCCV4

Date/Time Analyzed: 09/15/06 0841

Instrument ID: INST09

GC Column: XTI-5

ID: 0.53(mm)

Data File: //CHI-Chromis/E/chem/inst09.i/091106c32.b/09110609\_094.d

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	N/A
			FROM	TO			
Diesel Range XTI-5	1	11.20	4.26	18.15	506.60	506.60	
	2						
	3						
	4						
	5						
DRO (C10-C32) XTI-5	1	11.20	4.26	18.15	506.60	506.60	
	2						
	3						
	4						
	5						
2-Fluorobiph XTI-5	1	7.52	7.50	7.56	25.658	25.658	
	2						
	3						
	4						
	5						
o-Terphenyl XTI-5	1	10.93	10.91	10.97	25.910	25.910	
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.





RETENTION TIMES  
TEPH IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

STANDARD

DIESELCCV3

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Lab Sample ID: DIESELCCV3

Date/Time Analyzed: 09/15/06 1407

Instrument ID: INST09

GC Column: XTI-5

ID: 0.53(mm)

Data File: //CHI-Chromis/E/chem/inst09.i/091106c32.b/09110609\_103.d

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	N/A
			FROM	TO			
Diesel Range XTI-5	1	11.20	4.26	18.15	243.28	243.28	
	2						
	3						
	4						
	5						
DRO (C10-C32) XTI-5	1	11.20	4.26	18.15	243.28	243.28	
	2						
	3						
	4						
	5						
2-Fluorobiph XTI-5	1	7.52	7.50	7.56	9.824	9.824	
	2						
	3						
	4						
	5						
o-Terphenyl XTI-5	1	10.93	10.91	10.97	9.824	9.824	
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM 7  
TEPH CONTINUING CALIBRATION CHECK

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Instrument ID: INST09

Calibration Date: 09/15/06

Time: 2046

Lab File ID: 09110609\_114

Init. Calib. Date(s): 09/11/06

09/11/06

Init. Calib. Times: 1504

1805

GC Column: XTI-5

ID: 0.53 (mm)

COMPOUND	CF	CF500	NA	%D	MAX %D
Diesel Range Organics (DRO)	81669	78490	0.01	3.9	15.0
DRO (C10-C32)	81669	78490	0.01	3.9	15.0
2-Fluorobiphenyl	83694	83259	0.01	0.5	15.0
o-Terphenyl	101032	100782	0.01	0.2	15.0

FORM VII TEPH

RETENTION TIMES  
TEPH IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

STANDARD

DIESELCCV4

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Lab Sample ID: DIESELCCV4

Date/Time Analyzed: 09/15/06 2046

Instrument ID: INST09

GC Column: XTI-5

ID: 0.53(mm)

Data File: //CHI-Chrom's/E/chem/inst09.i/091106c32.b/09110609\_114.d

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	N/A
			FROM	TO			
Diesel Range XTI-5	1	11.20	4.26	18.15	480.54	480.54	
	2						
	3						
	4						
	5						
DRO (C10-C32 XTI-5)	1	11.20	4.26	18.15	480.54	480.54	
	2						
	3						
	4						
	5						
2-Fluorobiph XTI-5	1	7.52	7.50	7.56	24.870	24.870	
	2						
	3						
	4						
	5						
o-Terphenyl XTI-5	1	10.93	10.91	10.97	24.938	24.938	
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.



RETENTION TIMES  
TEPH IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

STANDARD

DIESELCCV3

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 091106C32

Lab Sample ID: DIESELCCV3

Date/Time Analyzed: 09/16/06 0024

Instrument ID: INST09

GC Column: XTI-5

ID: 0.53(mm)

Data File: //CHI-Chromis/E/chem/inst09.i/091106c32.b/09110609\_120.d

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	N/A
			FROM	TO			
Diesel Range XTI-5	1	11.20	4.26	18.15	253.73	253.73	
	2						
	3						
	4						
	5						
DRO (C10-C32) XTI-5	1	11.20	4.26	18.15	253.73	253.73	
	2						
	3						
	4						
	5						
2-Fluorobiph XTI-5	1	7.52	7.50	7.56	9.201	9.201	
	2						
	3						
	4						
	5						
o-Terphenyl XTI-5	1	10.92	10.91	10.97	9.292	9.292	
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM 8  
TEPH ANALYTICAL SEQUENCE

Lab Name: STL CHICAGO

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 248531

GC Column: XTI-5

ID: 0.53

(mm)

Init. Calib. Date(s): 09/11/06 09/11/06

Instrument ID: INST09

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,  
SAMPLES, AND STANDARDS IS GIVEN BELOW:

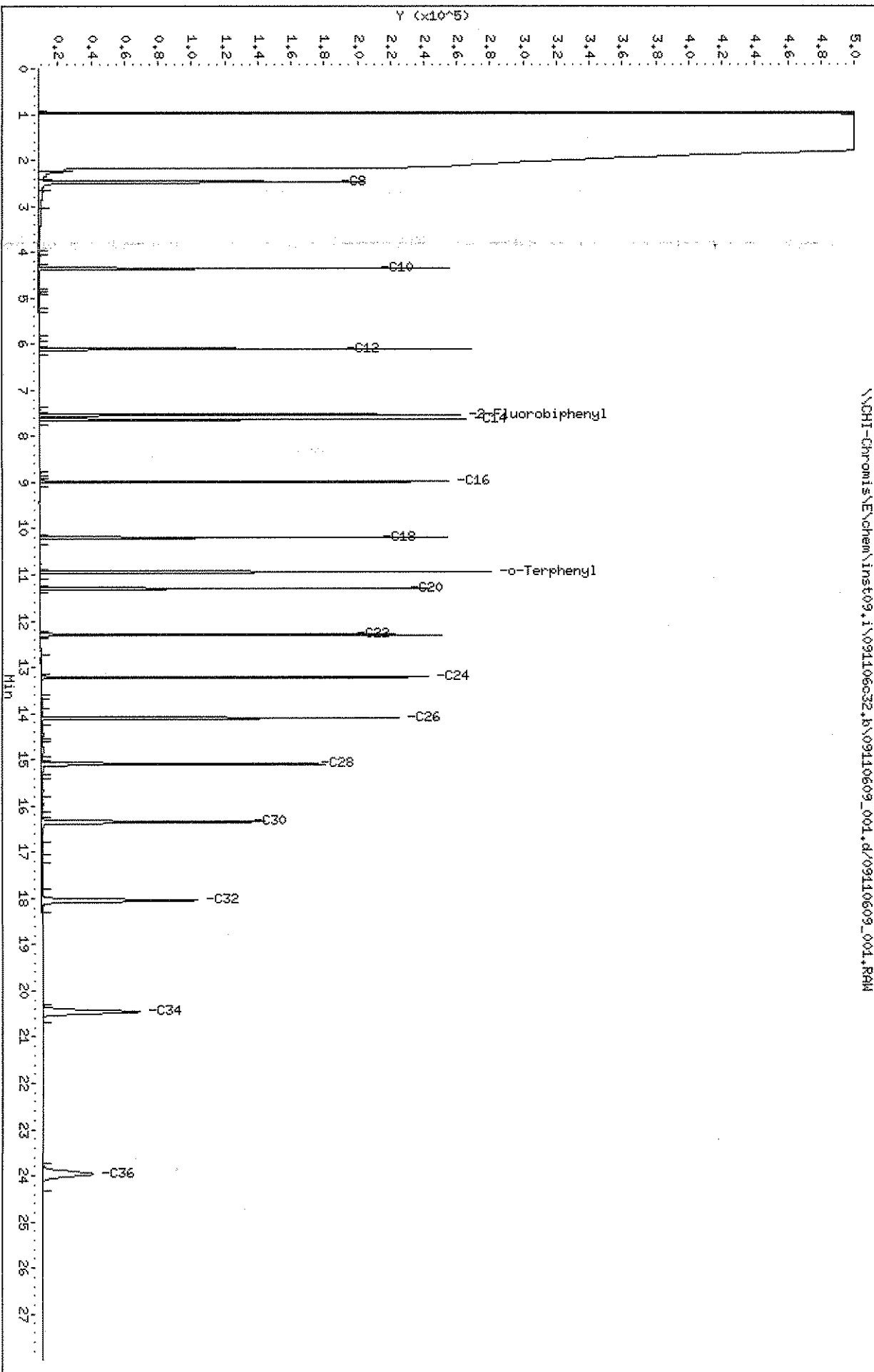
MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		SI : 7.53		S2 : 10.94		
CLIENT	LAB	DATE	TIME	S1	S2	
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #	
01	RTSTDC8-C40	RTSTDC8-C40	09/11/06	1428	7.53	10.94
02	DIESEL1000	DIESEL1000	09/11/06	1504	7.54	10.94
03	DIESEL750	DIESEL750	09/11/06	1540	7.53	10.94
04	DIESEL500	DIESEL500	09/11/06	1616	7.53	10.94
05	DIESEL250	DIESEL250	09/11/06	1653	7.53	10.94
06	DIESEL100	DIESEL100	09/11/06	1729	7.53	10.94
07	DIESEL25	DIESEL25	09/11/06	1805	7.53	10.93
08	DIESELCCV3	DIESELCCV3	09/11/06	1842	7.53	10.94
09	DIESELSSV	DIESELSSV	09/11/06	1918	7.53	10.94
10	RTSTDC8-C40	RTSTDC8-C40	09/14/06	1543	7.53	10.93
11	DIESELCCV3	DIESELCCV3	09/15/06	0312	7.52	10.93
12	189077-MB	189077-1MB	09/15/06	0348	7.52	10.93
13	189077-BS	189077-2LCS	09/15/06	0424	7.52	10.93
14	SB1155-2	248531-13	09/15/06	0501	7.52	10.93
15	SB1155-3	248531-14	09/15/06	0537	7.52	10.93
16	SB1165-4	248531-15	09/15/06	0613	7.52	10.93
17	SB1175-4	248531-16	09/15/06	0649	7.52	10.93
18	SB1185-2	248531-17	09/15/06	0726	7.52	10.93
19	DIESELCCV4	DIESELCCV4	09/15/06	0841	7.52	10.93
20	DIESELCCV3	DIESELCCV3	09/15/06	1407	7.52	10.93
21	SB1185-5	248531-18	09/15/06	1520	7.52	10.93
22	SB1195-3	248531-19	09/15/06	1556	7.52	10.93
23	SB1195-4	248531-20	09/15/06	1632	7.52	10.93
24	SB1215-3	248531-21	09/15/06	1708	7.52	10.93
25	SB1225-2	248531-22	09/15/06	1745	7.52	10.93
26	SB1225-4	248531-23	09/15/06	1821	7.52	10.93
27	SB1135-5	248531-26	09/15/06	1857	7.52	10.93
28	SB1145-3	248531-27	09/15/06	1933	7.52	10.93
29	DIESELCCV4	DIESELCCV4	09/15/06	2046	7.52	10.93
30	SB1185-2MS	248531-17MS	09/15/06	2235	7.52	10.92
31	SB1185-2MSD	248531-17MSD	09/15/06	2311	7.52	10.92
32	DIESELCCV3	DIESELCCV3	09/16/06	0024	7.52	10.92

QC LIMITS  
S1 = 2-Fluorobiphenyl (+/- 0.03 MINUTES)  
S2 = 0-Terphenyl (+/- 0.03 MINUTES)

# Column used to flag retention time values with an asterisk.  
\* Values outside of QC limits.

Data File: \\CHI-Chromis\E\chem\inst09.1\091106032.b\09110609\_001.d  
 Date: 11-SEP-2006 14:28  
 Client ID: RTSTD8-C40  
 Sample Info: 091106.d\009.RTSTD8-C40  
 Volume Injected (µL): 2.0  
 Column phase: XT1-5

Instrument: inst09.1  
 Operator: werners  
 Column diameter: 0.53





STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_001.d  
 Lab Smp Id: RTSTDC8-C40 Client Smp ID: RTSTDC8-C40  
 Inj Date : 11-SEP-2006 14:28  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106.dro09,RTSTDC8-C40  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:45 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: ds1.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL ( mg/L)
1 C8	2.472	2.472	0.000	804949		(a)
2 C10	4.356	4.356	0.000	777961		(a)
4 C12	6.108	6.108	0.000	738673		(a)
\$ 8 2-Fluorobiphenyl	7.534	7.534	0.000	717677	8.57498	0.04287
9 C14	7.633	7.633	0.000	737521		(a)
11 C16	8.984	8.984	0.000	737282		(a)
12 C18	10.198	10.198	0.000	745026		(a)
\$ 13 o-Terphenyl	10.941	10.941	0.000	811514	8.03226	0.04016(R)
16 C20	11.296	11.296	0.000	743776		(a)
17 C22	12.299	12.299	0.000	746038		(a)
18 C24	13.219	13.219	0.000	768770		(a)
19 C26	14.100	14.100	0.000	794181		(a)
20 C28	15.097	15.097	0.000	804777		(a)
21 C30	16.349	16.349	0.000	826774		(a)

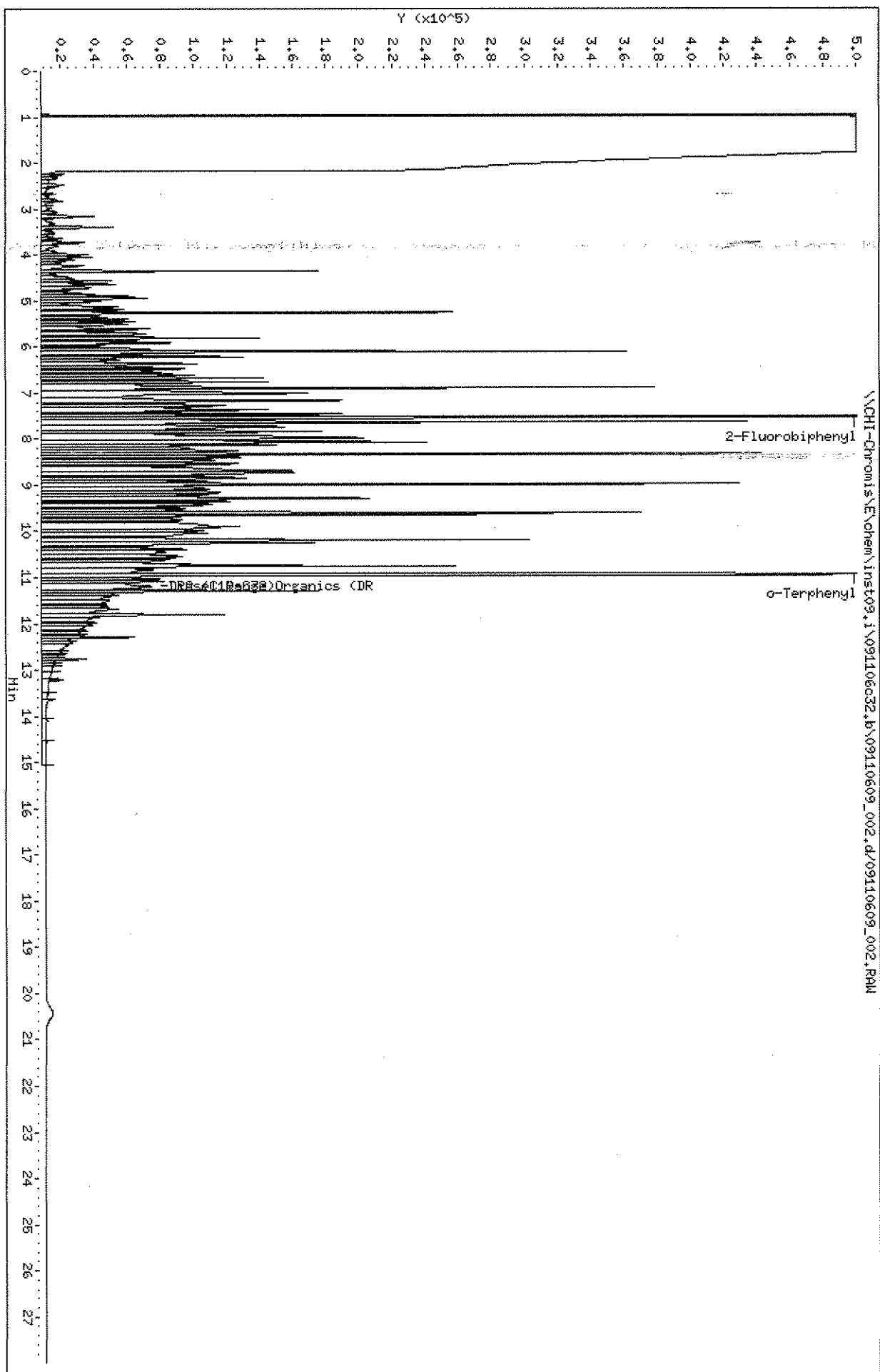
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/L)
23 C32	18.050	18.050	0.000	807376	(a)	
24 C34	20.459	20.459	0.000	645477	(a)	
25 C36	23.965	23.965	0.000	503324	(a)	

QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ)
- R - Spike/Surrogate failed recovery limits.

Data File: \\CHI-Chromis\E\chem\inst09,i\09110609\_002.d  
Date: 11-SEP-2006 15:04  
Client ID: DIESEL1000  
Sample Info: 091106,dno09,DIESEL1000  
Volume Injected (uL): 2.0  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



\\CHI-Chromis\E\chem\inst09,i\09110609\_002.d\09110609\_002.RAW

STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_002.d  
 Lab Smp Id: DIESEL1000 Client Smp ID: DIESEL1000  
 Inj Date : 11-SEP-2006 15:04  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESEL1000  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:45 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 1 Calibration Sample, Level: 6  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

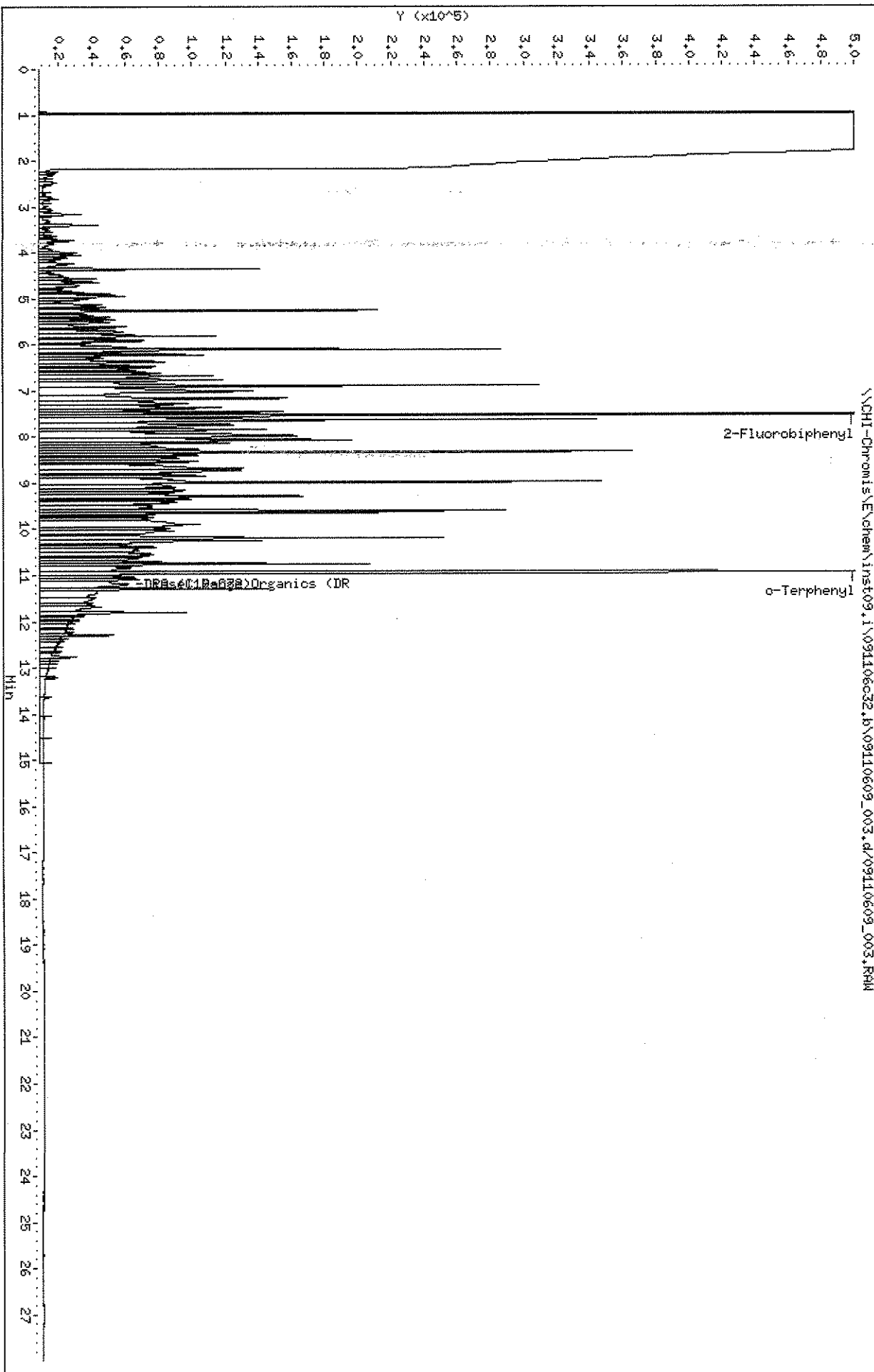
Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.535	7.534	0.001	3569032	50.0000	42.644
\$ 13 o-Terphenyl	10.944	10.941	0.003	4185225	50.0000	41.425
S 14 DRO (C10-C32)	4.256-18.151			73876078	1000.00	904.58
S 15 Diesel Range Organics (DRO)	4.256-18.151			73876078	1000.00	904.58

Data File: \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_003.d  
Date: 11-SEP-2006 15:40  
Client ID: DIESEL750  
Sample Info: 091106.d\003.DIESEL750  
Volume Injected (uL): 2.0  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



\\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_003.d\09110609\_003.FRM

STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_003.d  
 Lab Smp Id: DIESEL750 Client Smp ID: DIESEL750  
 Inj Date : 11-SEP-2006 15:40  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESEL750  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:45 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 1 Calibration Sample Level: 5  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

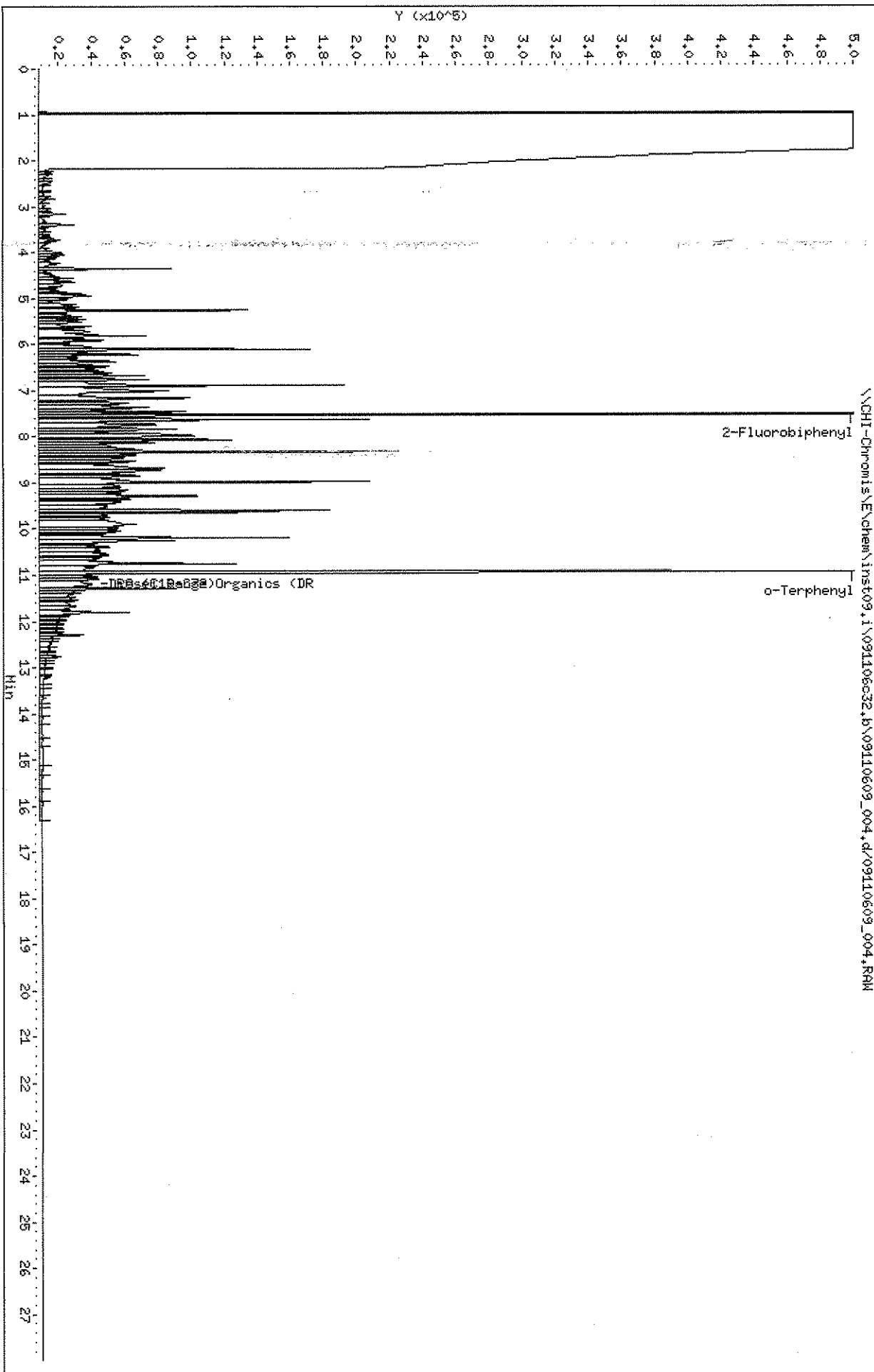
Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.533	7.534	-0.001	3027616	35.0000	36.175
\$ 13 o-Terphenyl	10.941	10.941	0.000	3572210	35.0000	35.357
S 14 DRO (C10-C32)	4.256-18.151			59218038	750.000	725.10
S 15 Diesel Range Organics (DRO)	4.256-18.151			59218038	750.000	725.10

Data File: \\CHI-Chromis\E\chem\inst09.i\09110609\_004.d  
Date: 11-SEP-2006 16:16  
Client ID: DIESEL500  
Sample Info: 091106.d\091106.DIESEL500  
Volume Injected (uL): 210  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



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SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_004.d  
 Lab Smp Id: DIESEL500 Client Smp ID: DIESEL500  
 Inj Date : 11-SEP-2006 16:16  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESEL500  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:45 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 1 Calibration Sample, Level: 4  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.531	7.534	-0.003	1994483	25.0000	23.830
\$ 13 o-Terphenyl	10.939	10.941	-0.002	2369751	25.0000	23.455
S 14 DRO (C10-C32)	4.256-18.151			36602834	500.000	448.18
S 15 Diesel Range Organics (DRO)	4.256-18.151			36602834	500.000	448.18



Date : 11-SEP-2006 16:53

Client ID: DIESEL250

Sample Info: 091106.d\009.DIESEL250

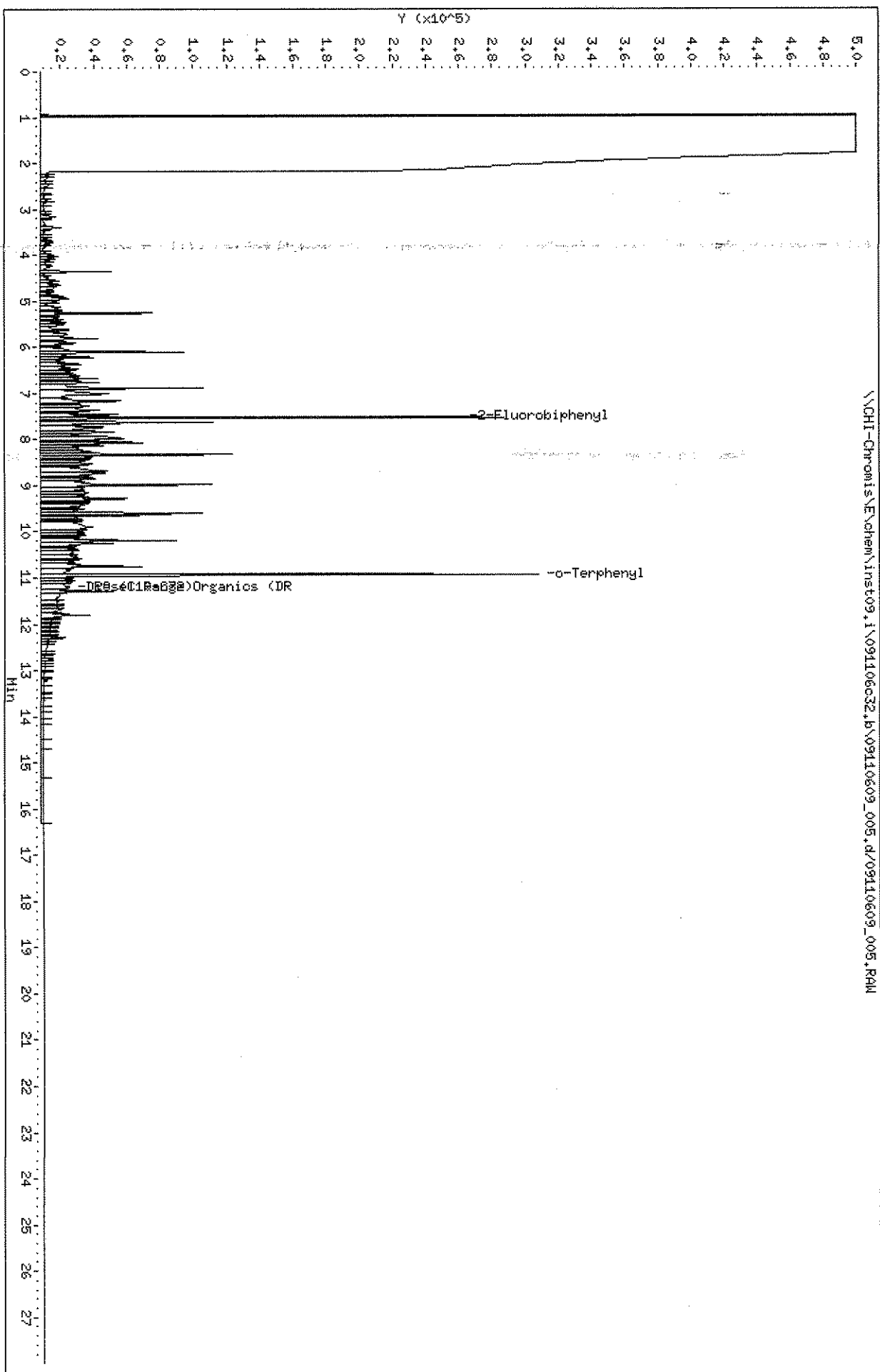
Volume Injected (uL): 2.0

Column phase: XT1-5

Instrument: inst09.i

Operator: werners

Column diameter: 0.53



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SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_005.d  
 Lab Smp Id: DIESEL250 Client Smp ID: DIESEL250  
 Inj Date : 11-SEP-2006 16:53  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESEL250  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:45 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

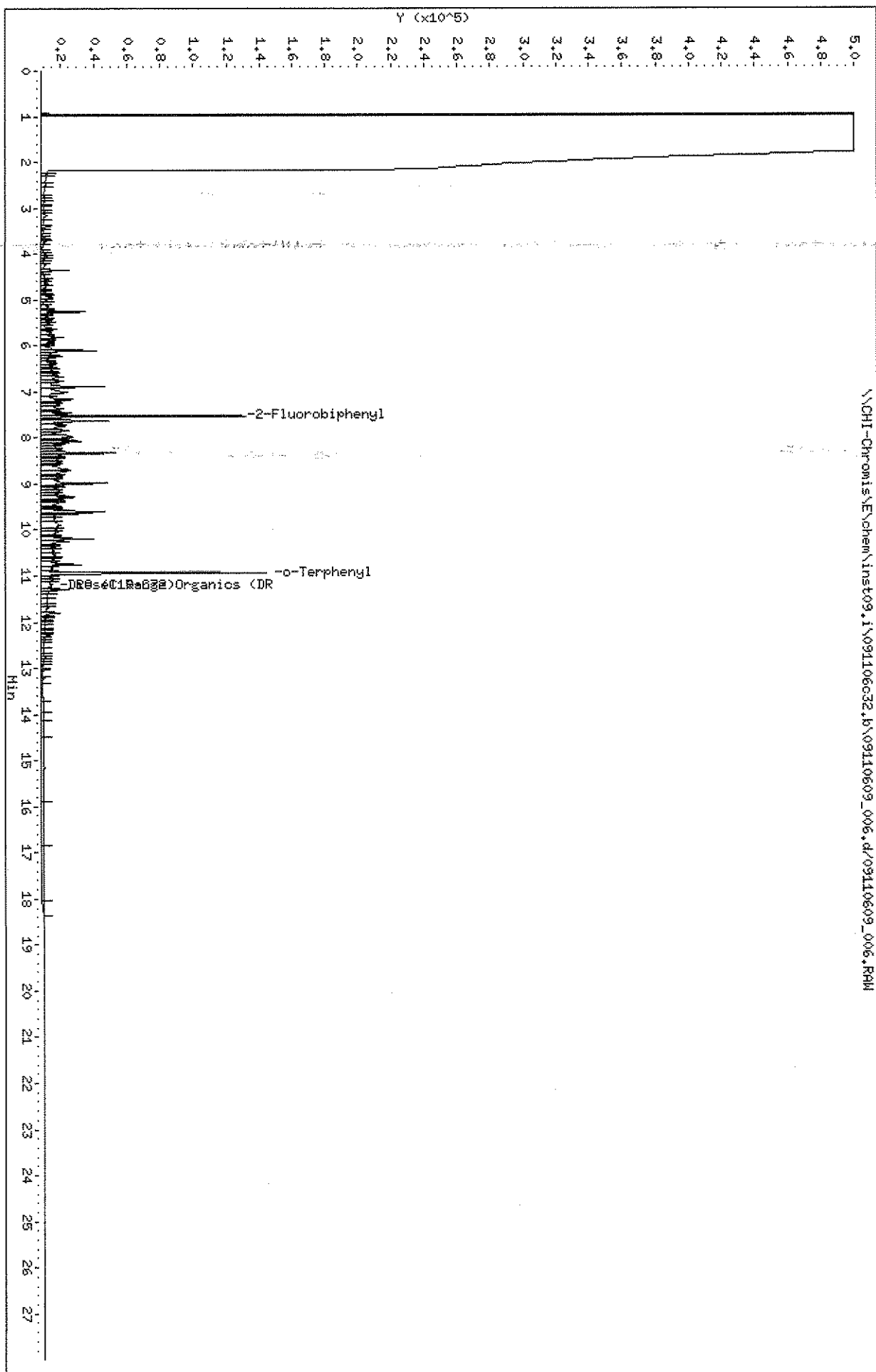
Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.530	7.534	-0.004	908814	10.0000	10.859
\$ 13 o-Terphenyl	10.935	10.941	-0.006	1091694	10.0000	10.805
S 14 DRO (C10-C32)	4.256-18.151			19906467	250.000	243.74
S 15 Diesel Range Organics (DRO)	4.256-18.151			19906467	250.000	243.74

Date: 11-SEP-2006 17:29  
Client ID: DIESEL100  
Sample Inlet: 091106.d\09110609.DIESEL100  
Volume Injected (uL): 2.0  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_006.d  
 Lab Smp Id: DIESEL100 Client Smp ID: DIESEL100  
 Inj Date : 11-SEP-2006 17:29  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESEL100  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:46 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 1 Calibration Sample Level: 2  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.529	7.534	-0.005	410882	5.00000	4.909
\$ 13 o-Terphenyl	10.935	10.941	-0.006	493404	5.00000	4.884
S 14 DRO (C10-C32)	4.256-18.151			8876487	100.000	108.69
S 15 Diesel Range Organics (DRO)	4.256-18.151			8876487	100.000	108.69

Data File: \\NHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_007.d  
Date: 11-SEP-2006 18:09

Client ID: DIESEL25

Sample Infol: 091106.d\0909.DIESEL25

Volume Injected (uL): 210

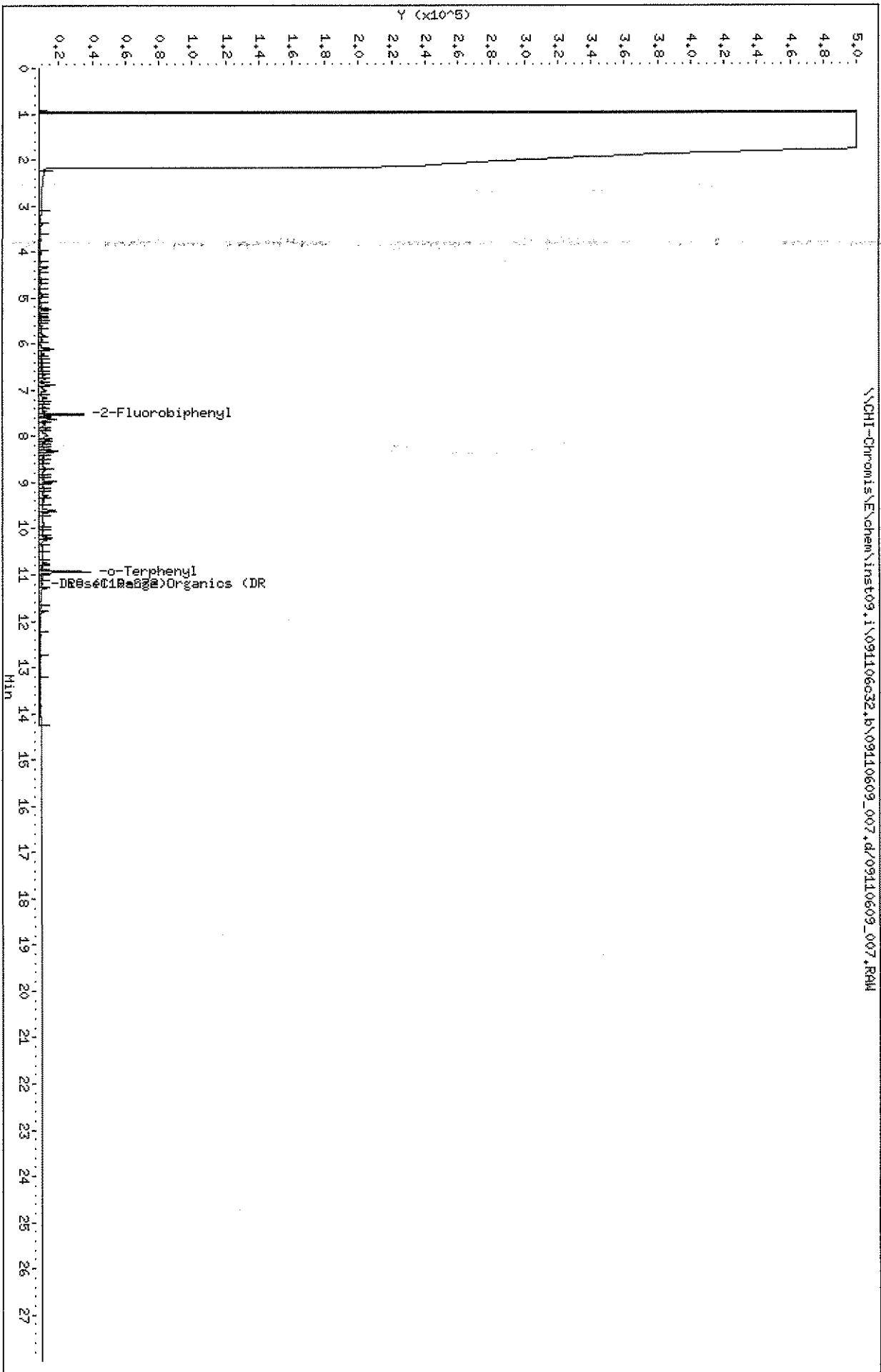
Column phase: XT1-5

Instrument: inst09.i

Operator: werners

Column diameter: 0.53

\\NHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_007.d\09110609\_007.FAM



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_007.d...  
 Lab Smp Id: DIESEL25 Client Smp ID: DIESEL25  
 Inj Date : 11-SEP-2006 18:05  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESEL25  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:46 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 1 Calibration Sample, Level: 1  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

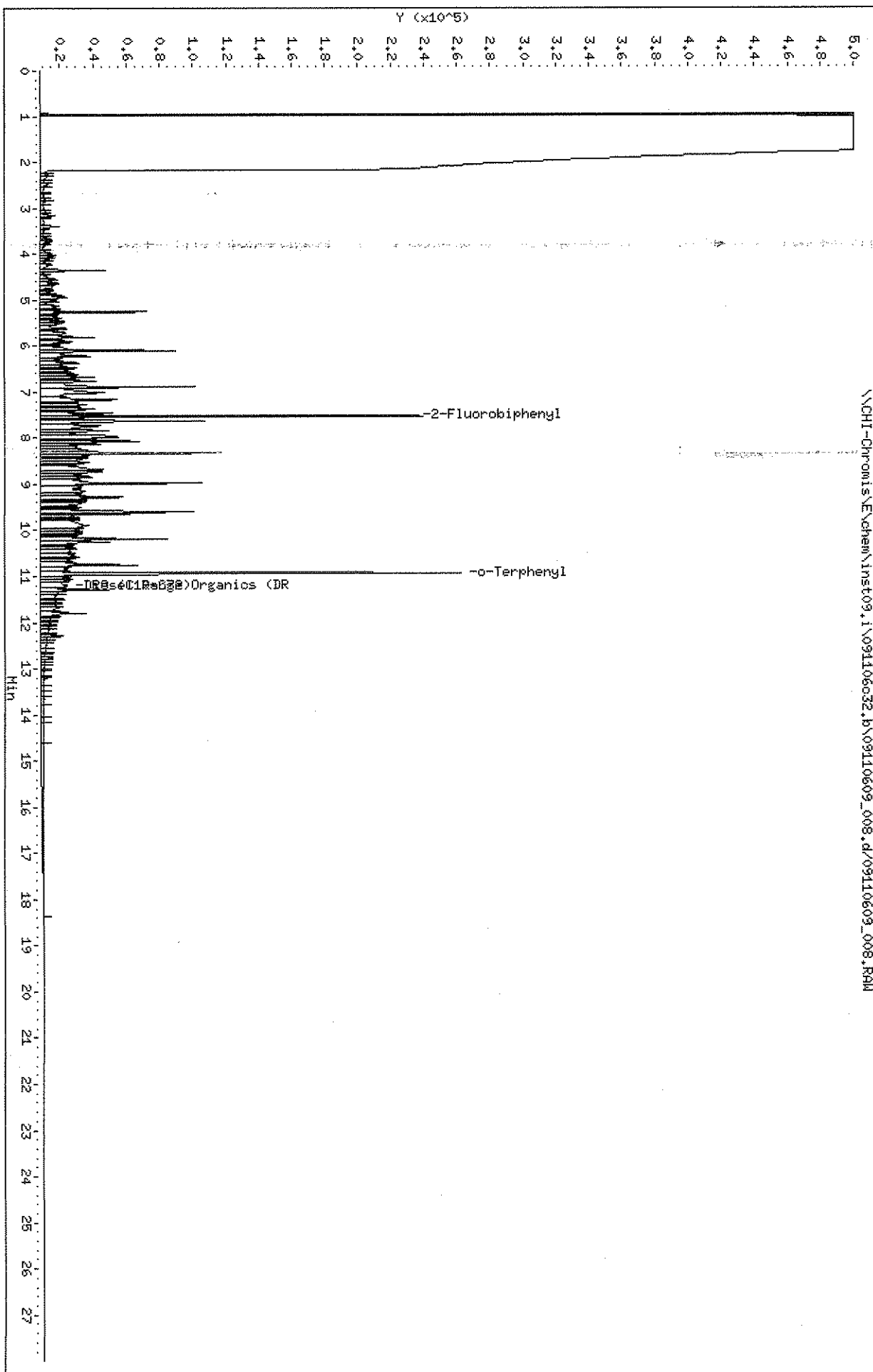
Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.529	7.534	-0.005	91445	1.00000	1.093
\$ 13 o-Terphenyl	10.934	10.941	-0.007	117783	1.00000	1.166
S 14 DRO (C10-C32)	4.256-18.151			2389650	25.0000	29.260
S 15 Diesel Range Organics (DRO)	4.256-18.151			2389650	25.0000	29.260

Data File: \\CHI-Chromis\Echem\inst09,1\091106032,b\09110609\_008.d  
Date: 11-SEP-2006 18:42  
Client ID: DIESELDCV3  
Sample Inlet: 091106,dro09,DIESELDCV3  
Volume Injected (ul): 2.0  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_008.d  
 Lab Smp Id: DIESELCCV3 Client Smp ID: DIESELCCV3  
 Inj Date : 11-SEP-2006 18:42  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESELCCV3  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:46 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.529	7.534	-0.005	781285	10.0000	9.335
\$ 13 o-Terphenyl	10.935	10.941	-0.006	948068	10.0000	9.384
S 14 DRO (C10-C32)	4.256-18.151			18811774	250.000	230.34
S 15 Diesel Range Organics (DRO)	4.256-18.151			18811774	250.000	230.34



Date: 11-SEP-2006 19:18

Client ID: DIESELSSV

Sample Inlet: 091106.d\09110609.DIESELSSV

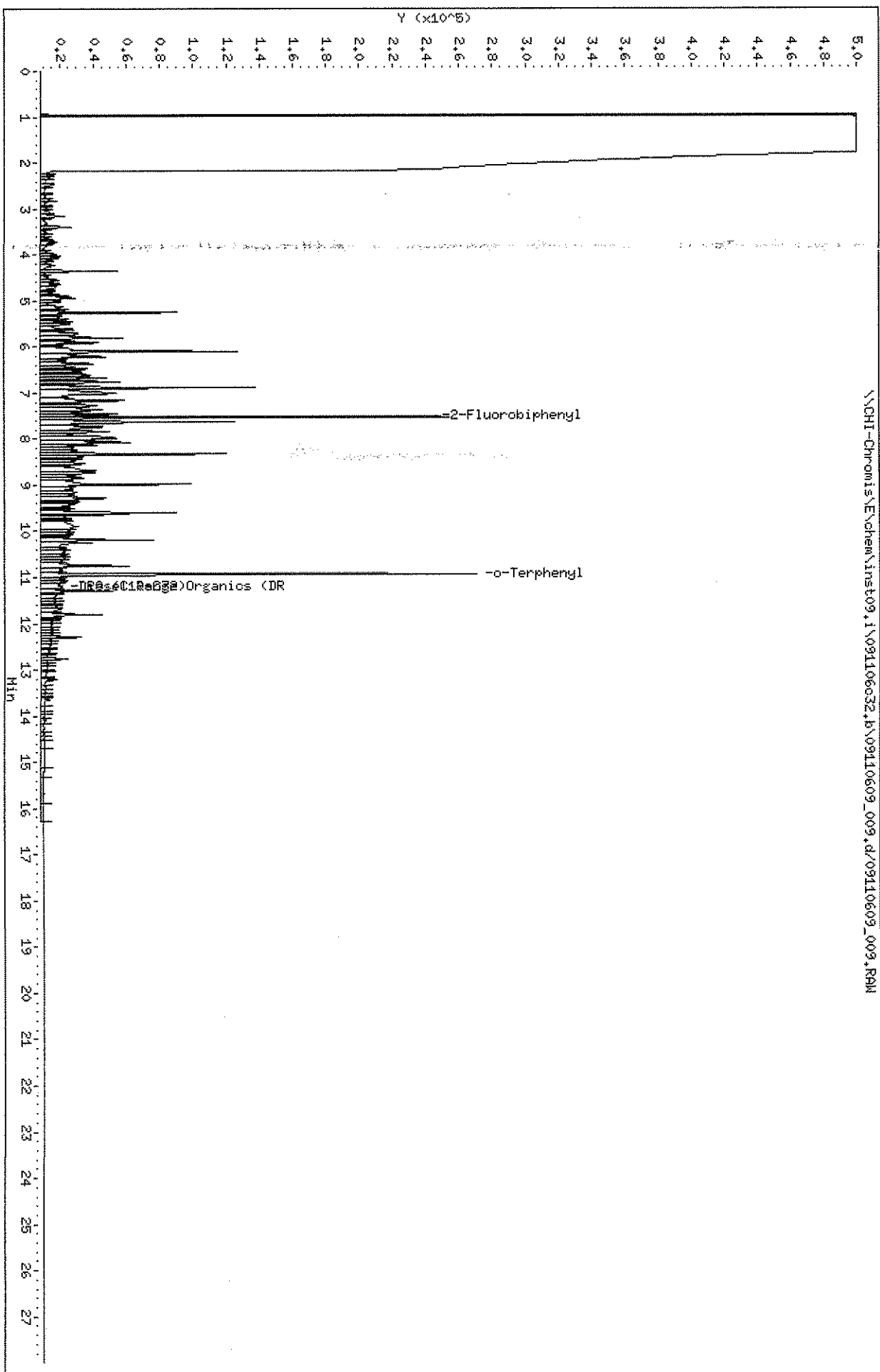
Volume Injected (uL): 2.0

Column phase: XT1-5

Instrument: inst09.i

Operator: werners

Column diameter: 0.53



\\CHI-Chromis\Echem\inst09.i\091106032.b\09110609\_009.d\09110609\_009.RAW

STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_009.d  
 Lab Smp Id: DIESELSSV Client Smp ID: DIESELSSV  
 Inj Date : 11-SEP-2006 19:18  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESELSSV  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:46 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 1 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: icaldro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/L)
\$ 8 2-Fluorobiphenyl	7.529	7.534	-0.005	826138	9.87089	0.04935
\$ 13 o-Terphenyl	10.935	10.941	-0.006	960822	9.51009	0.04755(R)
S 14 DRO (C10-C32)	4.256-18.151			19291548	236.215	1.181
S 15 Diesel Range Organics (DRO)	4.256-18.151			19291548	236.215	1.181

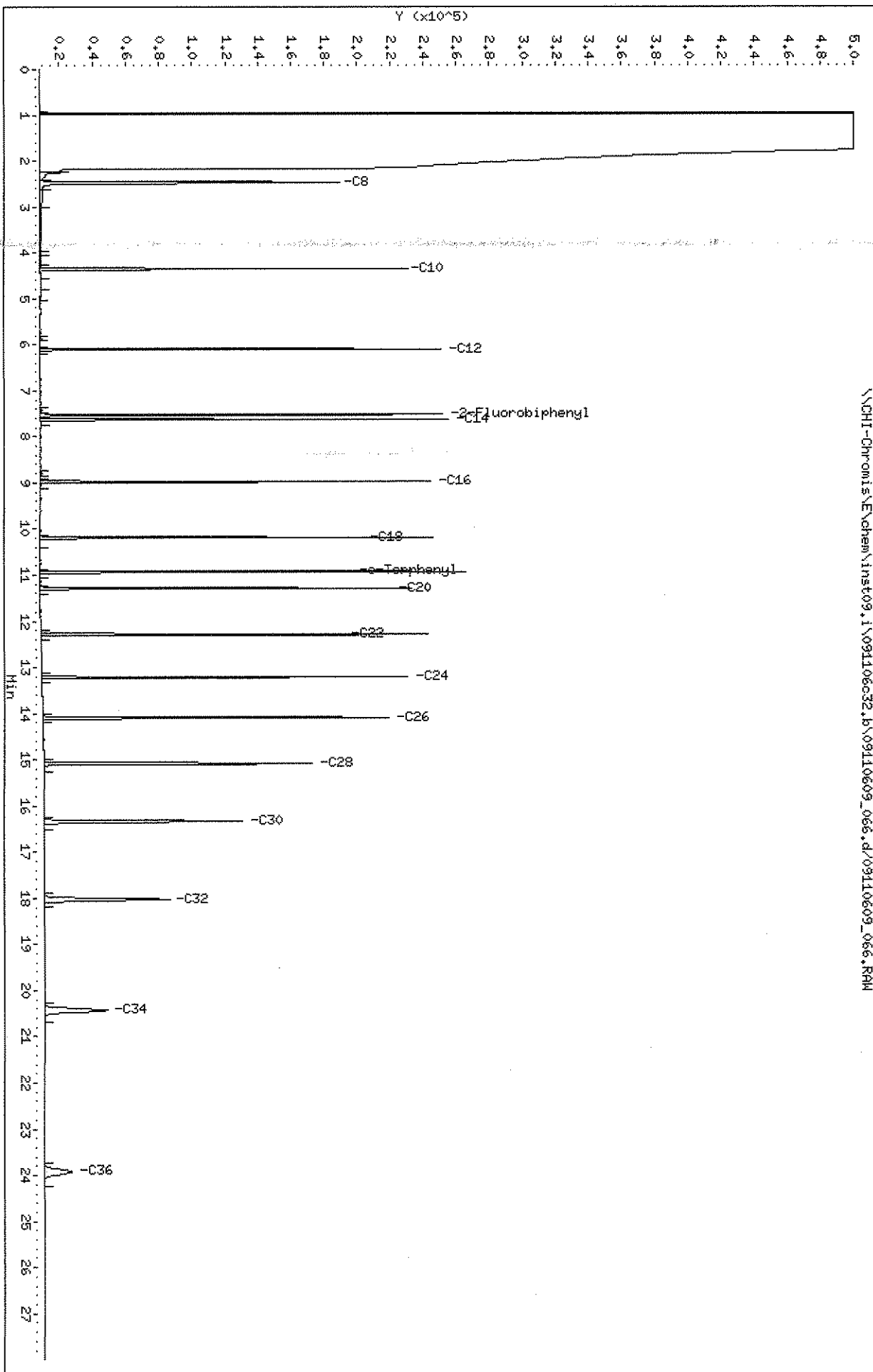
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\CHI-Chromis\Echem\Inst09,1\091106032,B\09110609\_066.d  
 Date: 14-SEP-2006 15:43  
 Client ID: R1STD08-C40  
 Sample Info: 091106.d\009,R1STD08-C40  
 Volume Injected (uL): 2.0  
 Column phase: XT1-5

Instrument: Inst09.i  
 Operator: werners  
 Column diameter: 0.53

\\CHI-Chromis\Echem\Inst09,1\091106032,B\09110609\_066.d\09110609\_066.RAW



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_066.d  
 Lab Smp Id: RTSTDC8-C40 Client Smp ID: RTSTDC8-C40  
 Inj Date : 14-SEP-2006 15:43  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,RTSTDC8-C40  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:59 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: dsl.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.0000	Dilution Factor
Uf	2.0000	ng conversion factor
Vt	5000.0000	Final Volume (ul)
Vo	1000.0000	Sample Volume (ml)
Vi	2.0000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL ( mg/L)
1 C8	2.471	2.472	-0.001	747940		(a)
2 C10	4.354	4.356	-0.002	718603		(a)
4 C12	6.101	6.108	-0.007	708090		(a)
\$ 8 2-Fluorobiphenyl	7.526	7.534	-0.008	687420	8.21346	0.04107
9 C14	7.625	7.633	-0.008	706620		(a)
11 C16	8.976	8.984	-0.008	706500		(a)
12 C18	10.190	10.198	-0.008	714085		(a)
\$ 13 o-Terphenyl	10.933	10.941	-0.008	779714	7.71751	0.03859(R)
16 C20	11.288	11.296	-0.008	713869		(a)
17 C22	12.290	12.299	-0.009	718114		(a)
18 C24	13.211	13.219	-0.008	716091		(a)
19 C26	14.092	14.100	-0.008	715676		(a)
20 C28	15.086	15.097	-0.011	708002		(a)
21 C30	16.336	16.349	-0.013	680686		(a)

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL ( mg/L)
23 C32	18.030	18.050	-0.020	586142	(a)	
24 C34	20.432	20.459	-0.027	426039	(a)	
25 C36	23.922	23.965	-0.043	279098	(a)	

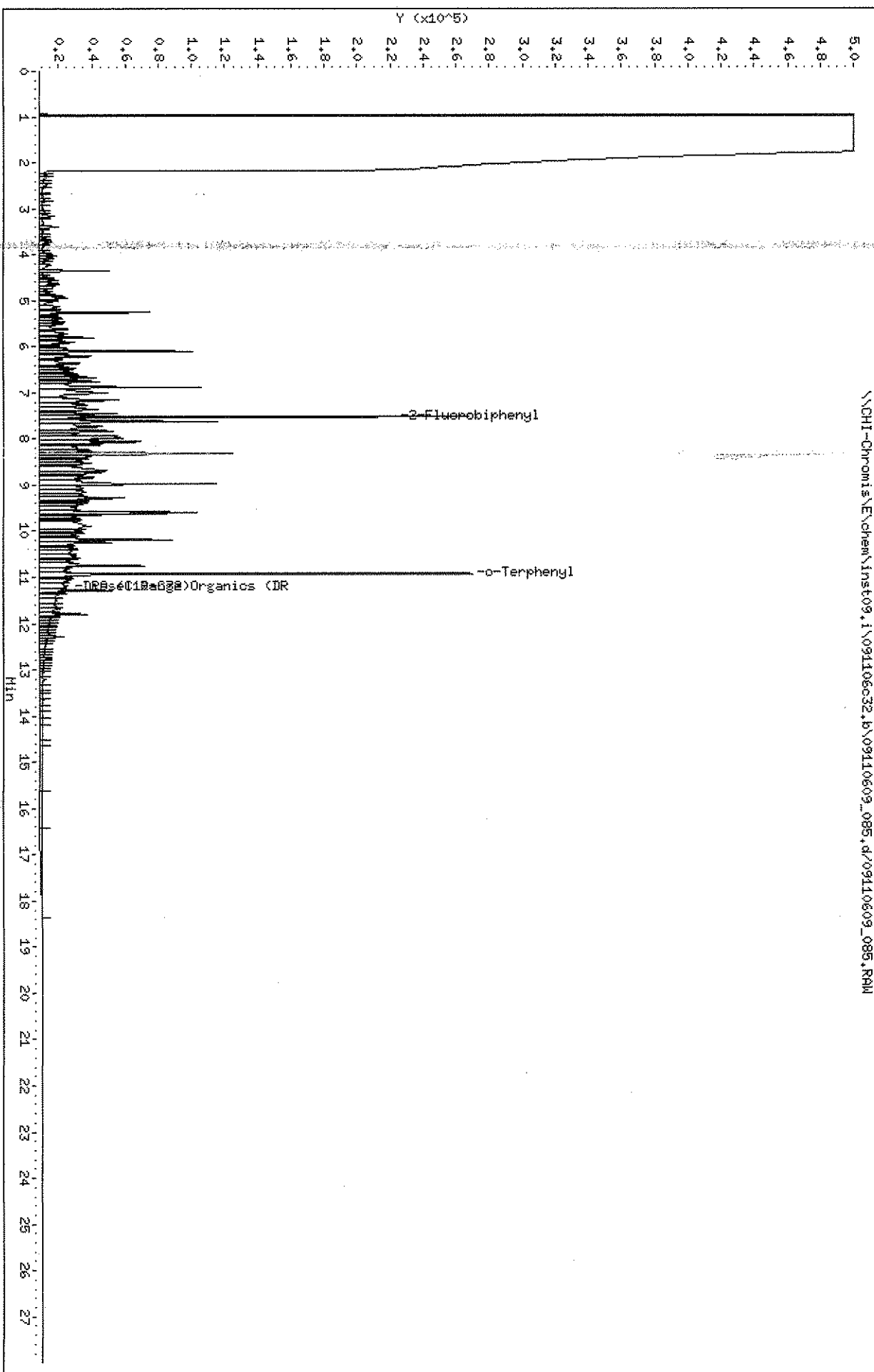
### QC Flag Legend

- a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ)
- R - Spike/Surrogate failed recovery limits.

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_085.d  
Date: 15-SEP-2006 03:12  
Client ID: DIESEL0CW3  
Sample Info: 091106\_dh009\_DIESEL0CW3  
Volume Injected (uL): 200  
Column Phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53

\\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_085.d\09110609\_085.RAW



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_085.d  
 Lab Smp Id: DIESELCCV3 Client Smp ID: DIESELCCV3  
 Inj Date : 15-SEP-2006 03:12  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESELCCV3  
 Misc Info : dc=  
 Comment : HP5890 FID XTj-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 15:00 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 85 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: icaldro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

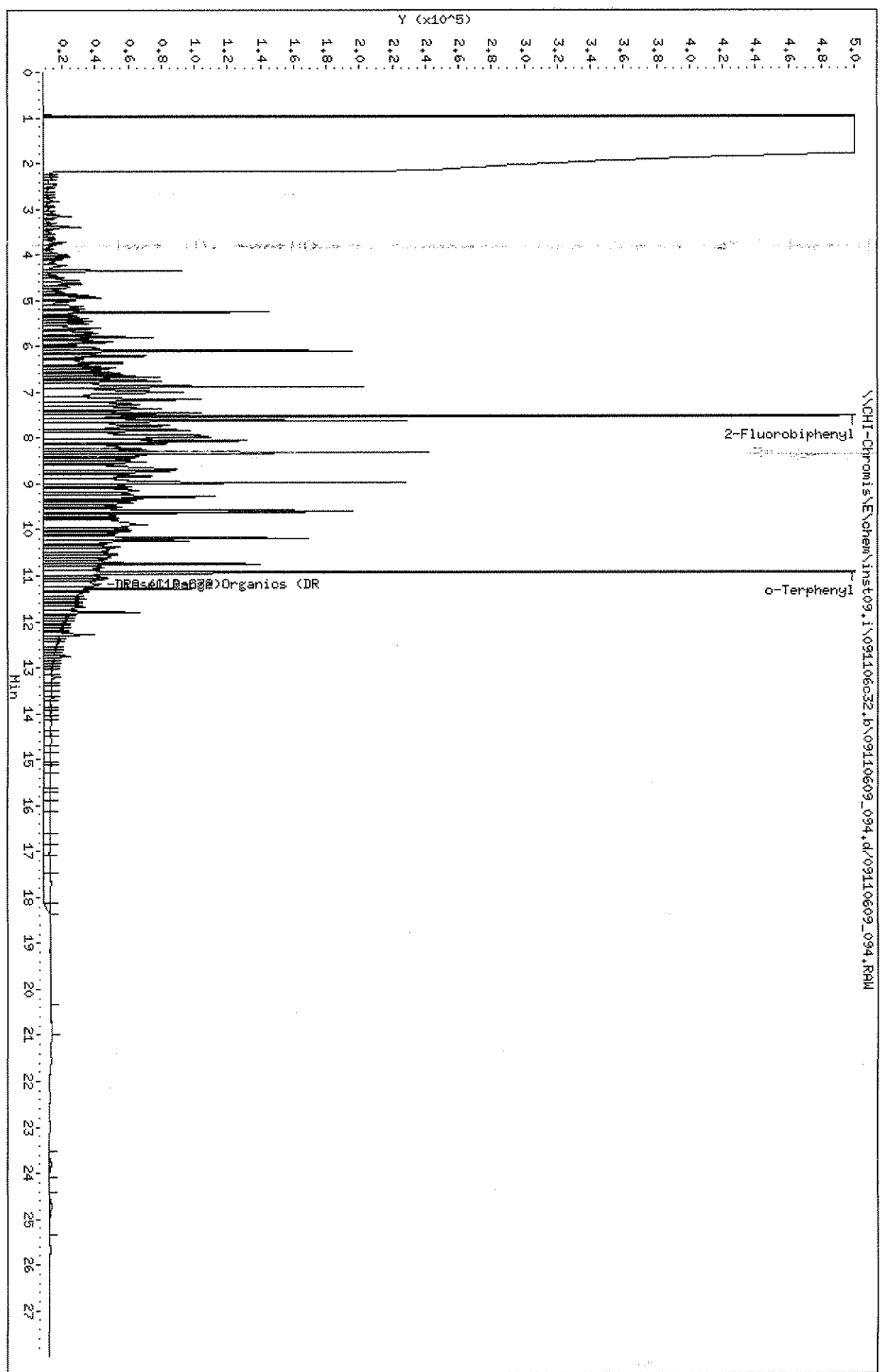
Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.523	7.534	-0.011	813573	10.0000	9.721
\$ 13 o-Terphenyl	10.929	10.941	-0.012	998565	10.0000	9.884
S 14 DRO (C10-C32)	4.256-18.151			20017562	250.000	245.10
S 15 Diesel Range Organics (DRO)	4.256-18.151			20017562	250.000	245.10

Data File: \\NCHI-Chromis\E\chem\inst09.1\091106c32.b\09110609\_094.d  
 Date: 15-SEP-2006 08:41  
 Client ID: DIESELCCW4  
 Sample Info: 091106\_dr009\_DIESELCCW4  
 Volume Injected (uL): 210  
 Column phase: XT1-5

Instrument: inst09.1  
 Operator: werrers  
 Column diameter: 0.53





STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_094.d  
 Lab Smp Id: DIESELCCV4 Client Smp ID: DIESELCCV4  
 Inj Date : 15-SEP-2006 08:41  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESELCCV4  
 Misc Info : dc=  
 Comment : HP5890 FID XTj-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 15:06 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 94 Continuing Calibration Sample  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

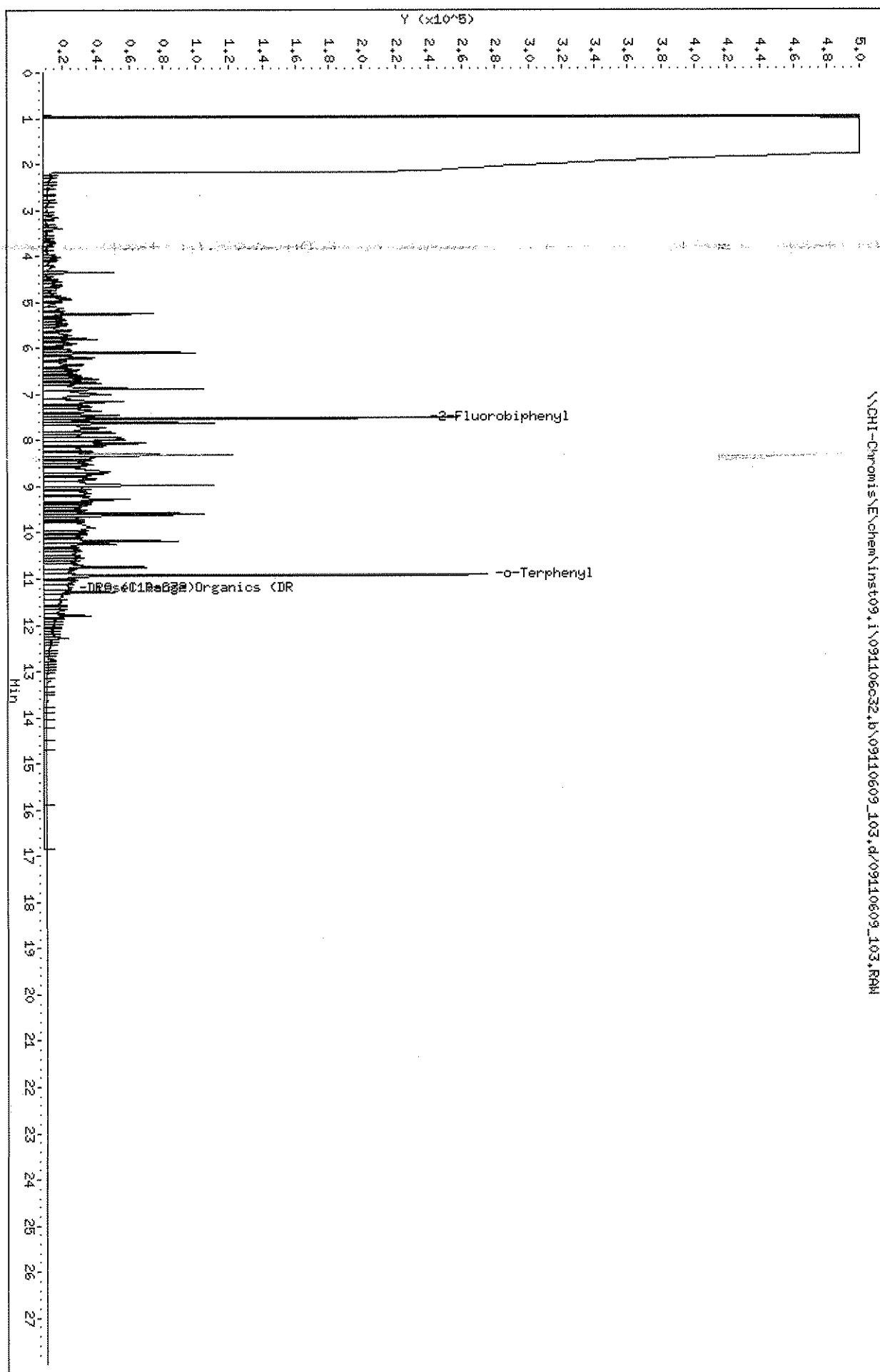
Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.524	7.534	-0.010	2147397	25.0000	25.658
\$ 13 o-Terphenyl	10.932	10.941	-0.009	2617710	25.0000	25.910
S 14 DRO (C10-C32)	4.256-18.151			41373471	500.000	506.60
S 15 Diesel Range Organics (DRO)	4.256-18.151			41373471	500.000	506.60

Data File: \\CHI-Chromis\Echem\Inst09.i\091106c32.b\09110609\_103.d  
Date: 15-SEP-2006 14:07  
Client ID: DIESEL003  
Sample Info: 091106\_dro09\_DIESEL003  
Volume Injected (uL): 2.0  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53

\\CHI-Chromis\Echem\Inst09.i\091106c32.b\09110609\_103.d\09110609\_103.FAM



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_103.d  
 Lab Smp Id: DIESELCCV3 Client Smp ID: DIESELCCV3  
 Inj Date : 15-SEP-2006 14:07  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESELCCV3  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 15:00 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 103 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: icaldro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

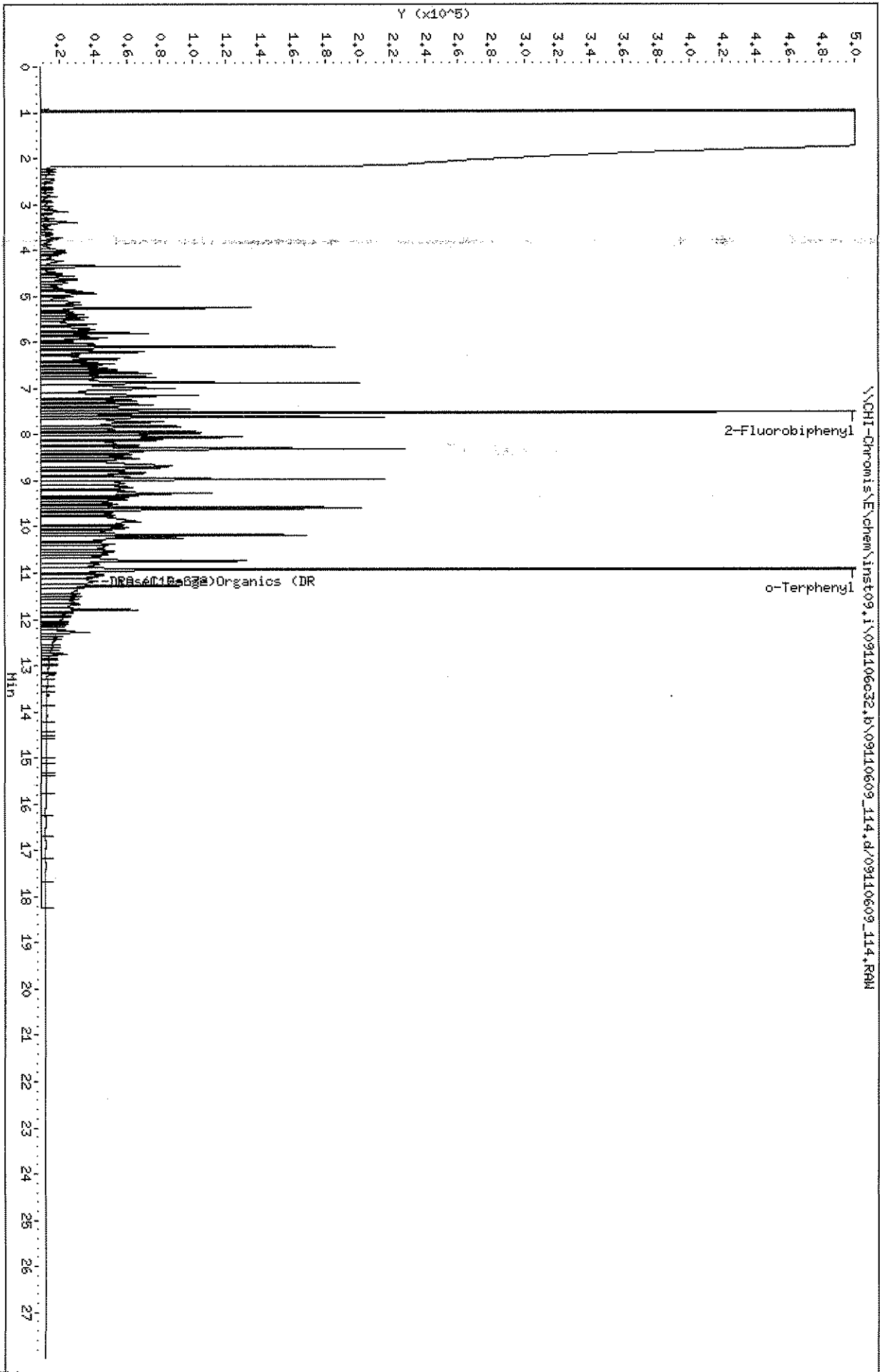
Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.522	7.534	-0.012	822195	10.0000	9.824
\$ 13 o-Terphenyl	10.927	10.941	-0.014	992596	10.0000	9.824
S 14 DRO (C10-C32)	4.256-18.151			19868139	250.000	243.28
S 15 Diesel Range Organics (DRO)	4.256-18.151			19868139	250.000	243.28

Data File: \\NCHI-Chromis15\Nchem\Inst09.1\091106032.b\09110609\_114.d  
Date: 15-SEP-2006 20:46  
Client ID: DIESELCCM4  
Sample Info: 091106.d\09110609.DIESELCCM4  
Volume Injected (uL): 2.0  
Column phase: XT1-5

Instrument: Inst09.1  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_114.d  
 Lab Smp Id: DIESELCCV4 Client Smp ID: DIESELCCV4  
 Inj Date : 15-SEP-2006 20:46  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESELCCV4  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 15:04 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 114 Continuing Calibration Sample  
 Dil Factor: 1.00000 Compound Sublist: icaldro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

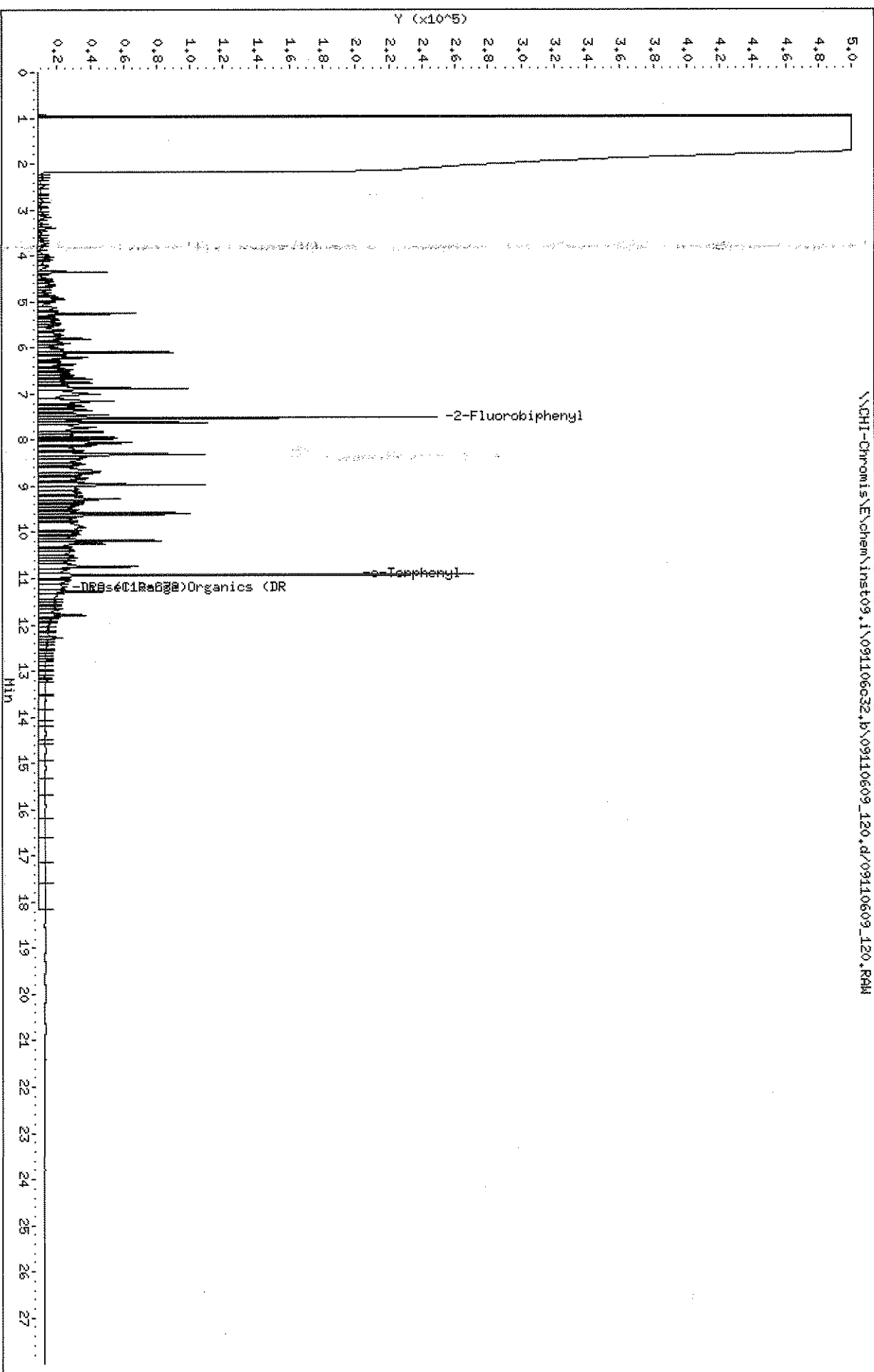
Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.522	7.534	-0.012	2081474	25.0000	24.870
\$ 13 o-Terphenyl	10.927	10.941	-0.014	2519563	25.0000	24.938
S 14 DRO (C10-C32)	4.256-18.151			39245093	500.000	480.54
S 15 Diesel Range Organics (DRO)	4.256-18.151			39245093	500.000	480.54

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_120.d  
Date: 16-SEP-2006 00:24  
Client ID: DIESELCOV3  
Sample Info: 091106.d\0909.DIESELCOV3  
Volume Injected (uL): 2.0  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53

\\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_120.d\FAM



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_120.d  
 Lab Smp Id: DIESELCCV3 Client Smp ID: DIESELCCV3  
 Inj Date : 16-SEP-2006 00:24  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,DIESELCCV3  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 15:00 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 15:04 Cal File: 09110609\_002.d  
 Als bottle: 120 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: icaldro.sub  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* Uf \* Vt / (Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng conversion factor
Vt	5000.000	Final Volume (ul)
Vo	1000.000	Sample Volume (ml)
Vi	2.000	Injection Vol (ul)

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ng/ul)	ON-COL (ng/ul)
\$ 8 2-Fluorobiphenyl	7.518	7.534	-0.016	770073	10.0000	9.201
\$ 13 o-Terphenyl	10.924	10.941	-0.017	938739	10.0000	9.292
S 14 DRO (C10-C32)	4.256-18.151			20721972	250.000	253.73
S 15 Diesel Range Organics (DRO)	4.256-18.151			20721972	250.000	253.73

# QUALITY CONTROL DATA



Job Number.: 248531

QUALITY CONTROL RESULTS

Report Date.: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ALLEN

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MDRO

Equipment Code....: INST09

Analyst....: san

Method Description.: TPH - Diesel Range Organics (DRO)

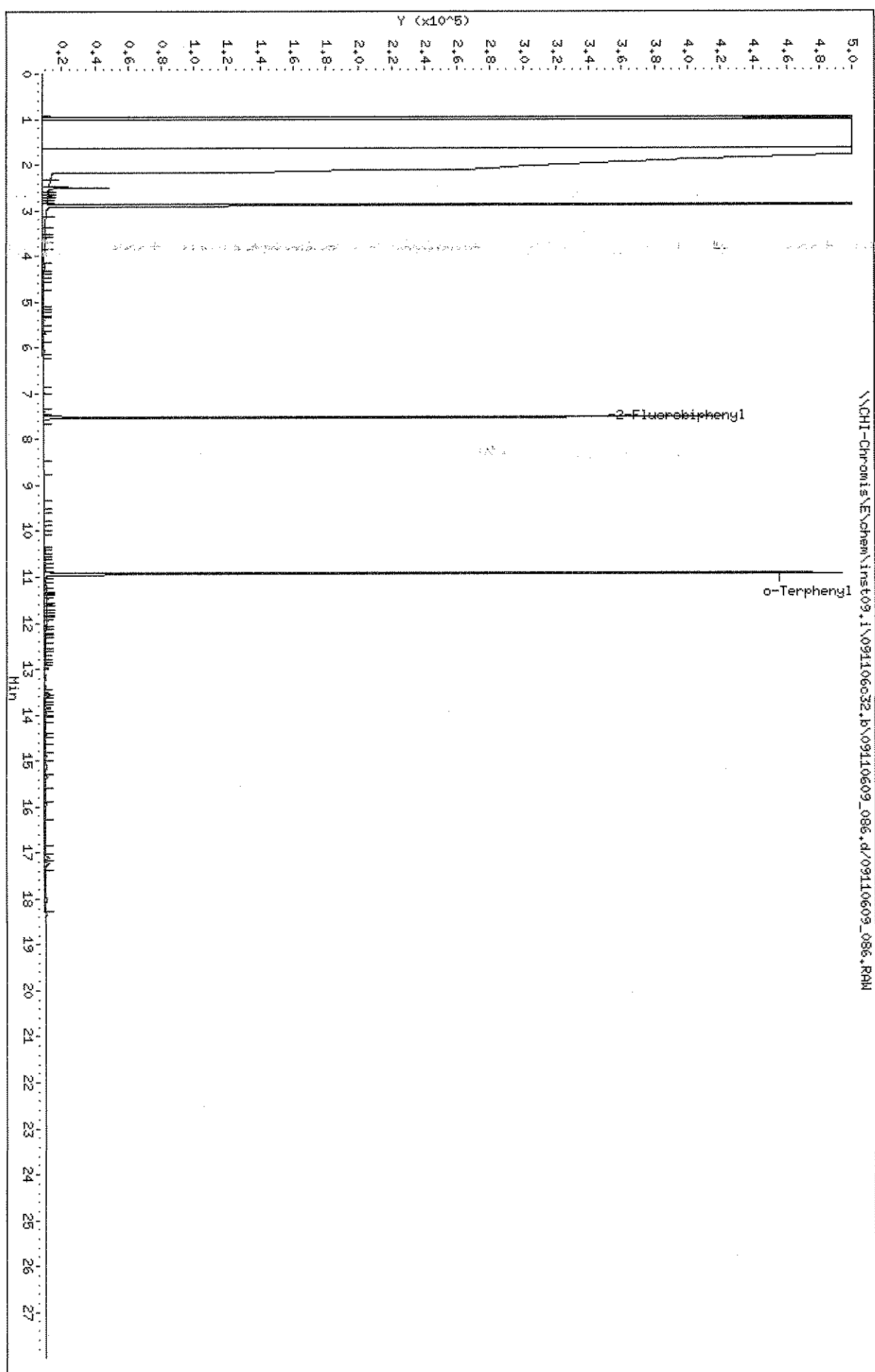
Batch.....: 189555

MB	Method Blank			189077-001		09/15/2006	0348
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	4.199	U					

Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_086.d  
Date : 15-SEP-2006 03:48  
Client ID: 189077-HB  
Sample Info: 091106.d\009,189077-1HB  
Volume Injected (uL): 20  
Column Phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_086.d  
 Lab Smp Id: 189077-1MB Client Smp ID: 189077-MB  
 Inj Date : 15-SEP-2006 03:48  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106.dro09.189077-1MB  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:34 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 86 QC Sample: BLANK  
 Dil Factor: 1.00000 Compound Sublist: 8015dro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.000	Weight of sample extracted (g)
M	0.000	% Moisture

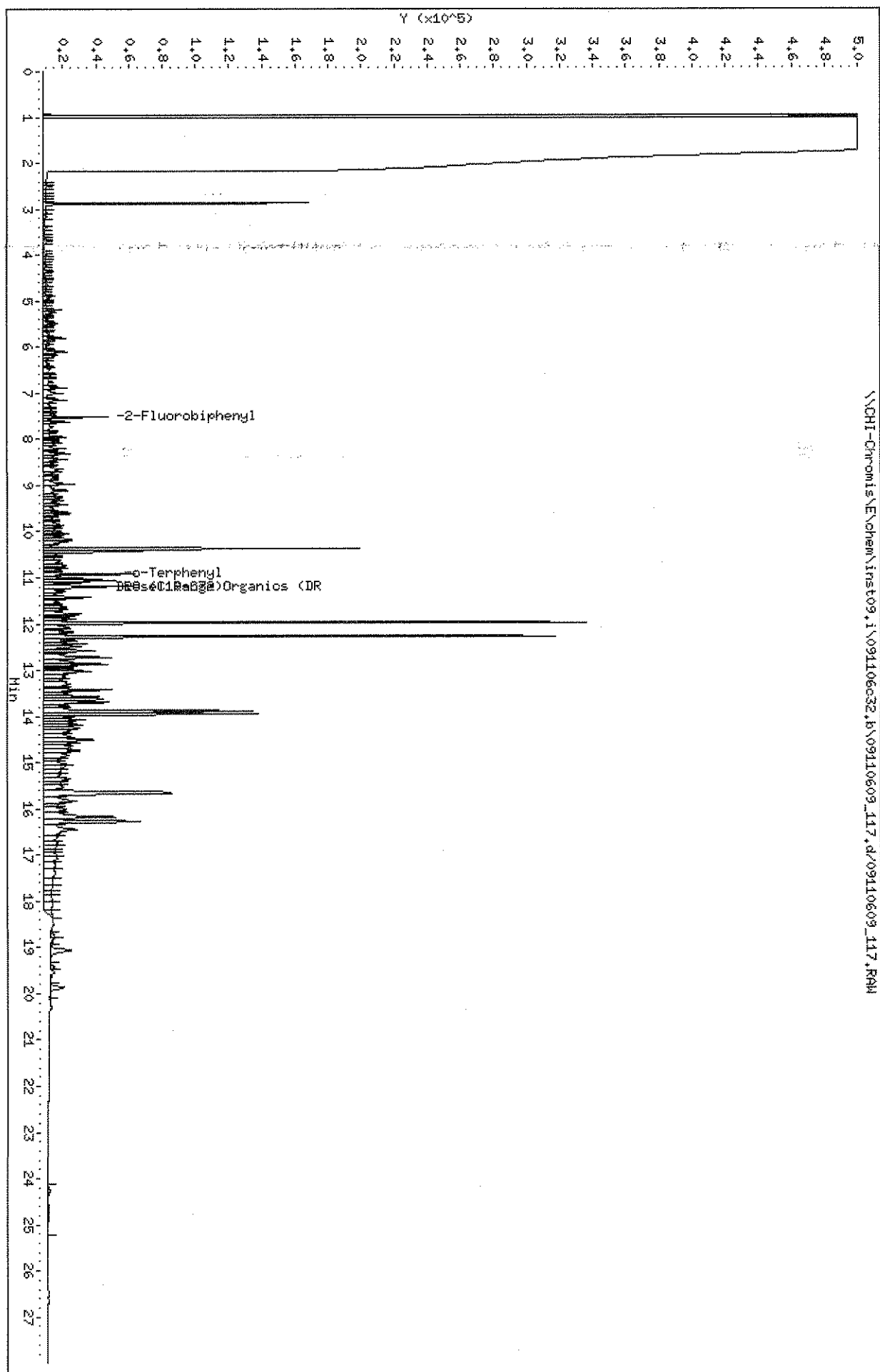
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.523	7.534	-0.011	1187906	14.1934	2.366
\$ 13 o-Terphenyl	10.930	10.941	-0.011	1557322	15.4142	2.569
S 14 DRD (C10-C32)	Compound Not Detected.					
S 15 Diesel Range Organics (DRO)	Compound Not Detected.					



Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_117.d  
Date: 15-SEP-2006 22:35  
Client ID: SB1185-2MS  
Sample Info: 091106.d\0909,248531-17MS,10  
Volume Injected (uL): 210  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53

\\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_117.d\09110609\_117.RAW



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_117.d  
 Lab Smp Id: 248531-17MS Client Smp ID: SB1185-2MS  
 Inj Date : 15-SEP-2006 22:35  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro09,248531-17MS,10  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 117 QC Sample: MS  
 Dil Factor: 10.00000 Compound Sublist: 8015dro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	10.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.378	Weight of sample extracted (g)
M	14.200	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.518	7.534	-0.016	129648	1.54907	2.935
\$ 13 o-Terphenyl	10.924	10.941	-0.017	226478	2.24165	4.247
S 14 DRO (C10-C32)	4.256-18.151			19613090	240.153	455.03
S 15 Diesel Range Organics (DRO)	4.256-18.151			19613090	240.153	455.03(R)

QC Flag Legend

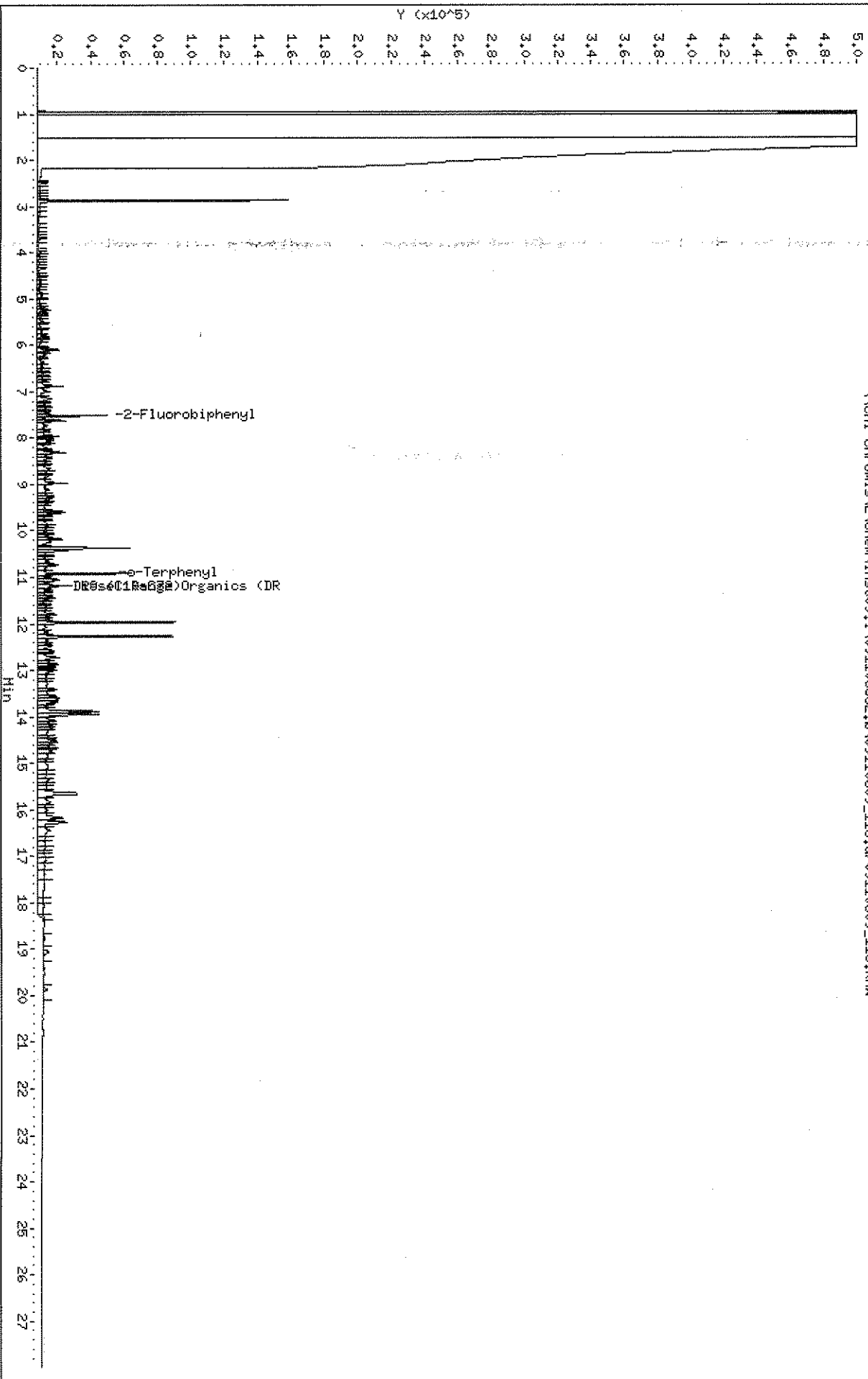
R - Spike/Surrogate failed recovery limits.



Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_118.d  
Date : 15-SEP-2006 23:11  
Client ID: SB1185-2MSD  
Sample Info: 091106.d\09.248531-17MSD\_10  
Volume Injected (uL): 20  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53

\\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_118.d\09110609\_118.RAW



STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_118.d  
 Lab Smp Id: 248531-17MSD Client Smp ID: SB1185-2MSD  
 Inj Date : 15-SEP-2006 23:11  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106.dro09,248531-17MSD,10  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:38 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 118 QC Sample: MSD  
 Dil Factor: 10.00000 Compound Sublist: 8015dro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula: Amt \* DF \* (Uf \* Vt / ((Vi \* Ws \* 1000) \* (100-M)/100))

Name	Value	Description
DF	10.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.400	Weight of sample extracted (g)
M	14.200	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.518	7.534	-0.016	138140	1.65053	3.123
\$ 13 o-Terphenyl	10.924	10.941	-0.017	217191	2.14973	4.067
S 14 DRO (C10-C32)	4.256-18.151			9527512	116.660	220.72
S 15 Diesel Range Organics (DRO)	4.256-18.151			9527512	116.660	220.72(R)

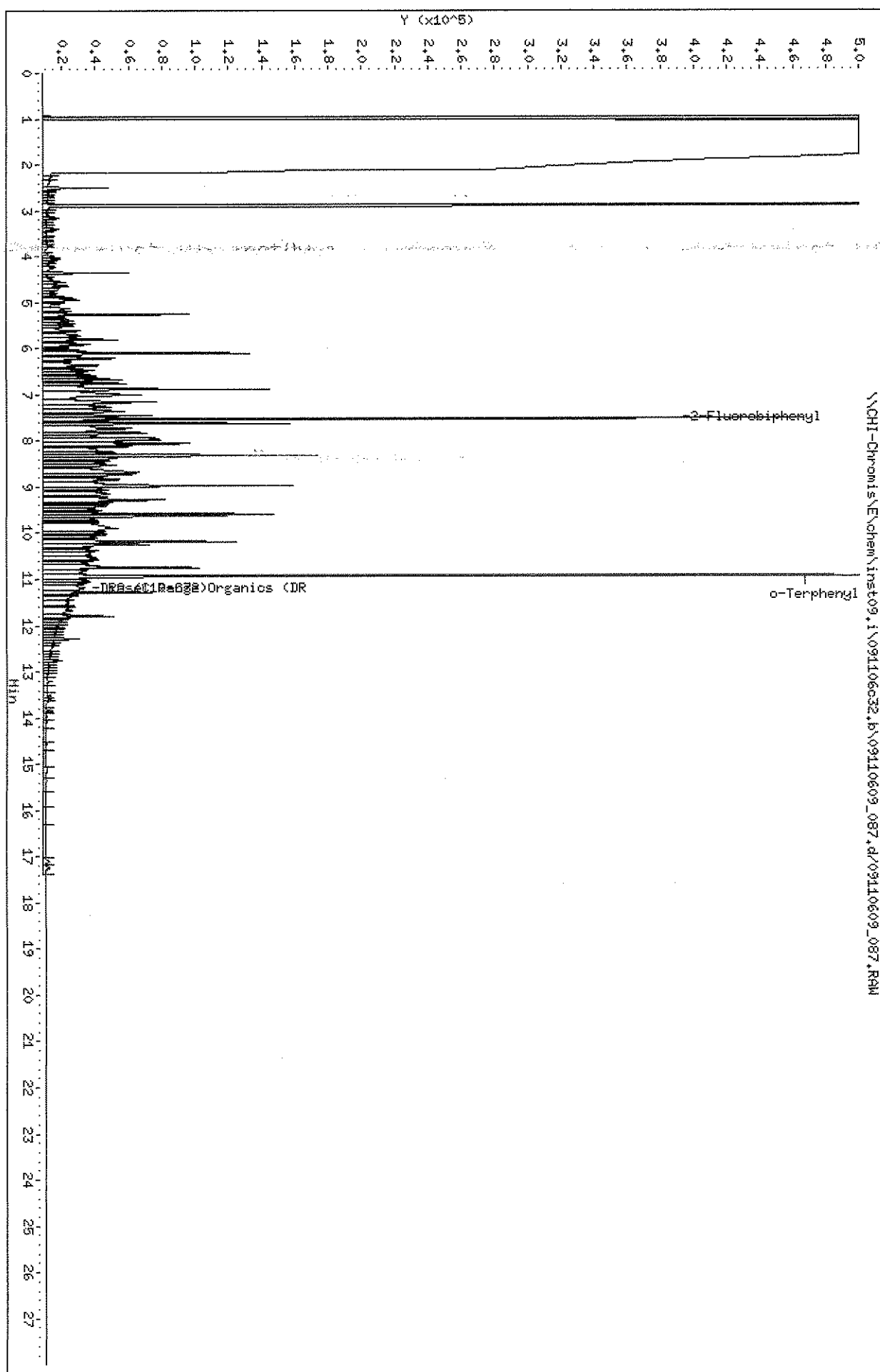
QC Flag Legend

R - Spike/Surrogate failed recovery limits.



Data File: \\CHI-Chromis\E\chem\inst09.i\091106032.b\09110609\_087.d  
Date: 15-SEP-2006 04:24  
Client ID: 189077-RS  
Sample Info: 091106\_drc09\_189077-2LRS  
Volume Injected (uL): 20  
Column phase: XT1-5

Instrument: inst09.i  
Operator: werners  
Column diameter: 0.53





STL Chicago

SW846 Method 8015

Data file : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_087.d  
 Lab Smp Id: 189077-2LCS Client Smp ID: 189077=BS  
 Inj Date : 15-SEP-2006 04:24  
 Operator : werners Inst ID: inst09.i  
 Smp Info : 091106,dro9,189077-2LCS  
 Misc Info : dc=  
 Comment : HP5890 FID XTi-5  
 Method : \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m  
 Meth Date : 20-Sep-2006 14:34 werners Quant Type: ESTD  
 Cal Date : 11-SEP-2006 18:05 Cal File: 09110609\_007.d  
 Als bottle: 87 QC Sample: BS  
 Dil Factor: 1.00000 Compound Sublist: 8015dro.sub  
 Integrator: HP Genie  
 Target Version: 4.04  
 Processing Host: CHI-GROUPER

Concentration Formula:  $Amt * DF * (Uf * Vt / ((Vi * Ws * 1000) * (100-M)/100))$

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng unit correction factor
Vt	2500.000	Volume of final extract (ul)
Vi	2.000	Volume injected (ul)
Ws	15.000	Weight of sample extracted (g)
M	0.000	% Moisture

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ng/ul)	FINAL (mg/Kg)
\$ 8 2-Fluorobiphenyl	7.523	7.534	-0.011	1419245	16.9575	2.826
\$ 13 o-Terphenyl	10.930	10.941	-0.011	1847838	18.2897	3.048
S 14 DRO (C10-C32)	4.256-18.151			28247507	345.877	57.646
S 15 Diesel Range Organics (DRO)	4.256-18.151			28247507	345.877	57.646

(b) (6)

Analyst: (b) (6) Method: 1009 Column: Xtj-5  
 Queue: 09006 Inj. Vol.: 2ul Inj. Temp: 280°C Det. Temp: 300°C  
 Temp. Program: 50°C → 1min, 20°/min → 300°C, hold 15min

Rep. #	Sample Description	Dil. Factor	Injection Date/Time	Comments
1	RTSTD(8-C40)		9/11/06 1428	ED6HLWDF11
2	Diesel 1000		1504	ED6GWIDF61
3	750		1540	ED6GWIDF52
4	500		1616	ED6GWIDF41
5	250		1653	ED6GWIDF31
6	100		1729	ED6GWDF21
7	25		1805	ED6GWIDF11
8	↓ CCV3		1842	ED6IWCDF31
9	↓ SSV		1918	ED6IWSDF31
10	MDIor 2000		1954	ED6IWIH061
11	1500		2031	ED6IWIH051
12	1000		2107	ED6IWIH041
13	500		2144	ED6IWIH031
14	200		2220	ED6IWIH021
15	50		2256	ED6IWIH011
16	↓ CCV		↓ 2333	ED6IWC4031
17	WIDRO500		9-12-06 0009	ED6EWIWI61
18	200		0045	ED6EWIWI52
19	100		0122	ED6EWIWI41
20	80		0158	ED6EWIWI31
21	40		0234	ED6EWIWI21
22	20		0311	ED6EWIWI11
23	↓ CCV		↓ 0347	ED6EWCW141

Reviewer: (b) (6)

Date: 9/20/04

Analyst: (b) (6) Method: dr009 Column: Xfi-5

Queue: 091106 Inj. Vol.: 2ul Inj. Temp: 280°C Det. Temp: 300°C

Temp. Program: SANU

Rep. #	Sample Description	Dil. Factor	Injection Date/Time	Comments
47	248361-4	50	9.12.06 1819	
48	<del>248319-5</del>	1	1855	188519-3LCD
49	248336-1	1	1931	<del>248319-3</del> WIDRDCCV
50	↓ -2	1	2008	<del>248336-3</del> <del>248319-4</del>
51	↓ <del>248336-3</del>	50	2044	<del>248361-3</del> <del>248336-3</del>
52	WIDRDCCV 9/20/06		2120	<del>WIDRDCCV</del> <del>248361-3</del> 1.0
53	248361-1		2157	WIDRDCCV
54	-2		9.13.06 1307	RTSTD08-C40
55	-3	50	1343	DIESELCCV3
56	189039-1MB	1	1507	
57	↓ -2LS	1	1543	
58	↓ -3LCD	1	1619	
59	248553-1	1	1656	
60	248554-15	1	1732	
61	248582-1	1	1809	
62	500 1149-1	1	1845	
63	↓ -2	1	1921	
64	↓ -3	1	1958	
65	DIESELCCV4		2034	
66	RTSTD08-C40		9.14.06 1534	
67	WIDRDCCV		1619	
68	MB-500-524	1	1658	
69	LS ↓	1	1732	

Reviewer: (b) (6)

Date: 9-20-06

STL Chicago  
GC/FID Analysis Log

Instrument 09 - Hewlett Packard 5890

Analyst: (b) (6) Method: droog Column: Xti-5  
 Queue: 091106 Inj. Vol.: 2ul Inj. Temp: 280°C Det. Temp: 300°C  
 Temp. Program: same

Rep. #	Sample Description	Dil. Factor	Injection Date/Time	Comments
70	400-14935-2	1	9.14.06 1808	
71	↓ - 3	1	1844	
72	↓ - 4	1	1921	
73	↓ - 5	1	1957	
74	↓ - 6	1	2033	
75	↓ - 7	1	2109	
76	↓ - 8	1	2146	
77	↓ - 9	1	2222	
78	WIDRDCCV		2258	
79	400-14935-10	1	↓ 2334	
80	↓ - 11	1	9.15.06 0010	
81	↓ - 12	1	0047	
82	↓ - 13	1	0123	
83	LCSJ-500-5241	1	0159	
84	WIDRDCCV		0235	
85	PIASEICCV3		0312	
86	189077-14B	1	0348	
87	↓ - 2LCS	1	0424	
88	248531-13	1	0501	
89	↓ - 14	1	0537	
90	↓ - 15	1	0613	
91	↓ - 16	1	0649	
92	↓ - 17	1	↓ 0726	

Reviewer: (b) (6)

Date: 9-20-06

CHI-22-17-018/C-3/99

Analyst: (b) (6) Method: droo9 Column: Xt-5

Queue: 091106 Inj. Vol.: 200 <sup>500</sup> 200 Inj. Temp: 280°C Det. Temp: 300°C

Temp. Program: SAMP →

Rep. #	Sample Description	Dil. Factor	Injection Date/Time	Comments
93	248531-17MS	1	9-15-06 0802	
94	DIESELCCV4		0841	
95	WIDROCCV		0917	
96	400-14935-2	10	0933	
97	-3	10	1030	
98	-5	10	1106	
99	-5	100	1142	
100	-6	10	1218	
101	↓ -6	100	1255	
102	WIDROCCV		1331	
103	DIESELCCV3		1407	
104	248531-17MS10	1	1443	
105	-18	1	1520	
106	-19	1	1556	
107	-20	1	1632	
108	-21	1	1708	
109	-22	1	1745	
110	-23	1	1821	
111	-26	1	1857	
112	↓ -27	1	1933	
113	248554-2	1	2010	
114	DIESELCCV4		2046	
115	248554-11	1	↓ 2122	

Reviewer: (b) (6)

Date: 9-20-04

Analyst: (b) (6) Method: d1009 Column: Xfi-5  
 Queue: 091106 Inj. Vol.: 2ul Inj. Temp: 280°C Det. Temp: 300°C  
 Temp. Program: sanu →

Rep. #	Sample Description	Dil. Factor	Injection Date/Time	Comments
116	248554-13	1	4.15.06 2159	
117	248531-17MS	10	2235	
118	↓ - 17MSD	10	2311	
119	248554-15	1	↓ 2348	
120	Diese100V3		4.16.06 0024	
SAW 9/20/06				

Reviewer: (b) (6)

Date: 9-20-06

CHI-22-17-018/C-3/99

(b) (6)

Extraction Date: 09/12/06  
Method Code: 3541D  
Solvent: DCM: Acetone (1:1)  
Solvent Lot No.: C25E25  
Solvent Dispenser Volume Checked: \_\_\_\_\_  
Acid / Base (circle & define): \_\_\_\_\_ Lot No.: \_\_\_\_\_

STL Chicago  
Organic Extraction Record  
GC/MS Semi-Volatiles

Page No.: 192  
Batch No.: 189077  
Analyst Initials: DK  
Balance ID No.: 972

Sodium Sulfate Lot No.: B26594

Matrix:  
a. Water  
**b. Soil**  
c. Other \_\_\_\_\_

Extraction Method:  
a. SW-846 3510 (Sep Funnel)  
b. SW-846 3550 (Sonication)  
c. SW-846 3580 (Waste Dil.)  
d. SW-846 3520 (Cont.)  
**e. SW-846 3541 (Soxhlet)**  
f. Other: \_\_\_\_\_

Method Extraction Times:  
Start Time: 1630  
End Time: \_\_\_\_\_

Sample #	Sample ID	i c o c	pH <sup>1</sup>	Initial Vol/Wt. (mL/g)	Final Vol. <sup>2</sup> (mLs)	K-D'd (√)	Clean-Up Absorbent	Multipliers		
								Surr.	Spike	Split
1	189077-MB			15.000	2.5					
2	↓ -LCS			15.000						
3	248531-13	SCS		15.411						
4	↓ -14			15.339						
5	↓ -15			15.472						
6	↓ -16			15.228						
7	↓ -17			15.263						
8	↓ -17MS			15.378						
9	↓ -17MSD			15.400						
10	↓ -18			15.310						
11	↓ -19			15.374						
12	↓ -20			15.579						
13	↓ -21			15.121						
14	↓ -22			15.283						
15	↓ -23			15.359						
16	↓ -26			15.903						
17	↓ -27			15.908						
18	248554-2			15.536						
19	↓ -11			15.877						
20	↓ -13			15.715						
21										
22										
23										
24										
25										

<sup>1</sup>Sample pH / Acid Adjusted pH / Base Adjusted pH  
<sup>2</sup>The extract volume for BNAs is ~0.8 mLs when the final volume is documented as 1.0 mL. Final volume adjustment is completed in the BNA dept.

\_\_\_ Insufficient Sample for MS/MSD \_\_\_ MS/MSD Not Requested (Limited Vol.) \_\_\_ MS/MSD Designated \_\_\_ MS/MSD Chosen  
\_\_\_ Sample Container Shake \_\_\_ Sample Container Shaken & Rinsed with Solvent \_\_\_ Sample Container Not Shaken Due To: \_\_\_\_\_

Comments/Variance: \_\_\_\_\_

Surrogate: Diesel/DRO Surr. Working Volume: 250ul Std. ID#: 06HWSid Pa  
LCS/MS Solution: Diesel/DRO MS Working Volume: 250ul Std. ID#: 0061WLDIEA  
LCS/MS Solution: N/A Volume: \_\_\_\_\_ Std. ID#: \_\_\_\_\_

Analyst Signature: (b) (6) Date: 9-12-06  
Reviewer Signature: \_\_\_\_\_ Date: 09/15/06

Extraction Custody Record

Extracts Transferred	Relinquished by	Date	Time	Received by	Date	Time	Reason for Transfer
<u>Complete Set</u>	<u>(b) (6)</u>	<u>9/14/06</u>	<u>1530</u>	<u>(b) (6)</u>	<u>9/14/06</u>		

Analysis Custody Record

Sample(s)	Date/Time Out	Date/Time In	Analyst	Sample(s)	Date/Time Out	Date/Time In	Analyst
<u>Complete Set</u>	<u>9/15/06 0900</u>	<u>9/14/06 1600</u>	<u>(b) (6)</u>				
<u>Complete Set</u>	<u>9/15/06 0900</u>	<u>9/15/06 1600</u>	<u>(b) (6)</u>				

Extraction Soxhlet (DRO)

Report Date: 9/21/06 10:16

Method Code...: 3541D	Batch Date...: 09/12/06	QC Code.....:	Equipment Code.:
Batch Code...: 189077	Batch Time...: 1607	Calc Code.....: PREPDR	Import Code....:
Status.....: RVWD	User Name....: dlr	Location Code..: 57222	

BATCH:	Item	Description	Description Information
	1	Comments	surrogate o6hwsidea
	2	Comments	book 4078 page 192
	3	Comments	
	4	Comments	

SAMPLE:	Grp	Pos	Sample ID	Dilution	SOXHLT N/A	IWGT g	MLF mL	PREPF N/A	DLFAC N/A
1	1		_X_MB_		Complete	15.000	2.5	0.16667	0.99982
1	2		_X_LCS_006IWLIDIEA_		Complete	15.000	2.5	0.16667	0.99982
1	3		248531_13_X__		Complete	15.411	2.5	0.16222	0.97313
1	4		248531_14_X__		Complete	15.339	2.5	0.16298	0.97768
1	5		248531_15_X__		Complete	15.472	2.5	0.16158	0.96929
1	6		248531_16_X__		Complete	15.228	2.5	0.16417	0.98482
1	7		248531_17_X__		Complete	15.203	2.5	0.16444	0.98644
1	8		248531_17_X_MS_006IWLIDIEA_7		Complete	15.378	2.5	0.16257	0.97522
1	9		248531_17_X_MSD_006IWLIDIEA_7		Complete	15.400	2.5	0.16234	0.97385
1	10		248531_18_X__		Complete	15.310	2.5	0.16329	0.97954
1	11		248531_19_X__		Complete	15.374	2.5	0.16261	0.97546
1	12		248531_20_X__		Complete	15.579	2.5	0.16047	0.96263
1	13		248531_21_X__		Complete	15.121	2.5	0.16533	0.99178
1	14		248531_22_X__		Complete	15.283	2.5	0.16358	0.98128
1	15		248531_23_X__		Complete	15.359	2.5	0.16277	0.97642
1	16		248531_26_X__		Complete	15.903	2.5	0.15720	0.94301
1	17		248531_27_X__		Complete	15.908	2.5	0.15715	0.94271
1	18		248554_2_X__		Complete	15.536	2.5	0.16092	0.96533
1	19		248554_11_X__		Complete	15.877	2.5	0.15746	0.94457
1	20		248554_13_X__		Complete	15.715	2.5	0.15908	0.95429



**GASOLINE RANGE ORGANICS  
GSA - SLOP  
JOB# 248531**

<b>Laboratory Chronicle .....</b>	<b>1</b>
<b>Chain of Custody .....</b>	<b>9</b>
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S A M P L E I N F O R M A T I O N  
Date: 09/20/2006

Job Number.: 248531  
Customer...: SCS Engineers, Inc.  
Attn.....: David Brewer

Project Number.....: 20006654  
Customer Project ID....: GSA - SLOP  
Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
248531-1	SB1015-3	Soil	09/05/2006	07:30	09/07/2006	10:00
248531-2	SB1025-5	Soil	09/05/2006	07:55	09/07/2006	10:00
248531-3	SB1035-4	Soil	09/05/2006	08:15	09/07/2006	10:00
248531-4	SB1045-2	Soil	09/05/2006	08:30	09/07/2006	10:00
248531-5	SB1055-3	Soil	09/05/2006	09:15	09/07/2006	10:00
248531-6	SB1095-5	Soil	09/05/2006	12:00	09/07/2006	10:00
248531-7	SB1095-10	Soil	09/05/2006	12:30	09/07/2006	10:00
248531-8	SB1105-1	Soil	09/05/2006	14:15	09/07/2006	10:00
248531-9	SB1105-4	Soil	09/05/2006	14:40	09/07/2006	10:00
248531-10	SB1115-1	Soil	09/05/2006	14:55	09/07/2006	10:00
248531-11	SB1115-5	Soil	09/05/2006	15:20	09/07/2006	10:00
248531-12	SB1125-1	Soil	09/05/2006	15:40	09/07/2006	10:00
248531-13	SB1155-2	Soil	09/06/2006	08:00	09/07/2006	10:00
248531-14	SB1155-3	Soil	09/06/2006	08:10	09/07/2006	10:00
248531-15	SB1165-4	Soil	09/06/2006	11:00	09/07/2006	10:00
248531-16	SB1175-4	Soil	09/06/2006	11:45	09/07/2006	10:00
248531-17	SB1185-2	Soil	09/06/2006	13:10	09/07/2006	10:00
248531-18	SB1185-5	Soil	09/06/2006	13:25	09/07/2006	10:00
248531-19	SB1195-3	Soil	09/06/2006	14:05	09/07/2006	10:00
248531-20	SB1195-4	Soil	09/06/2006	14:25	09/07/2006	10:00
248531-21	SB1215-3	Soil	09/06/2006	15:10	09/07/2006	10:00
248531-22	SB1225-2	Soil	09/06/2006	16:20	09/07/2006	10:00
248531-23	SB1225-4	Soil	09/06/2006	16:40	09/07/2006	10:00
248531-24	SB1255-3	Soil	09/06/2006	18:00	09/07/2006	10:00
248531-25	SB1125-5	Soil	09/05/2006	16:05	09/07/2006	10:00
248531-26	SB1135-5	Soil	09/05/2006	17:30	09/07/2006	10:00

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SAMPLE INFORMATION  
Date:

Job Number.: 248531  
Customer...: SCS Engineers, Inc.  
Attn.....: David Brewer

Project Number.....: 20006654  
Customer Project ID....: GSA - SLOP  
Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
248531-27	SB1145-3	Soil	09/05/2006	18:00	09/07/2006	10:00

L A B O R A T O R Y C H R O N I C L E

Job Number: 248531

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Lab ID:	Client ID:	Date Recvd:	Sample Date:		
248531-1	SB1015-3	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1903
DILUTION					
248531-2	SB1025-5	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1908
DILUTION					
248531-3	SB1035-4	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1911
DILUTION					
248531-4	SB1045-2	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1914
DILUTION					
248531-5	SB1055-3	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1917
DILUTION					
248531-6	SB1095-5	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1920
DILUTION					
248531-7	SB1095-10	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1922
DILUTION					
248531-8	SB1105-1	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1925
DILUTION					
248531-9	SB1105-4	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1928
DILUTION					
248531-10	SB1115-1	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1931
DILUTION					
248531-11	SB1115-5	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1934
DILUTION					
248531-12	SB1125-1	09/07/2006	09/05/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1937
DILUTION					
248531-13	SB1155-2	09/07/2006	09/06/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1939
5030B	5030 Purge & Trap	1	188923		09/11/2006 0009
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923	09/11/2006 0009
DILUTION					1.00000
248531-14	SB1155-3	09/07/2006	09/06/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
Method	% Solids Determination	1	188899	188899	09/09/2006 1942
DILUTION					

LABORATORY CHRONICLE				Date: 09/20/2006			
Job Number: 248531		CUSTOMER: SCS Engineers, Inc.		PROJECT: GSA - SLOP		ATTN: David Brewer	
Lab ID: 248531-14	Client ID: SB1155-3	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
5030B	5030 Purge & Trap	1	188923			09/11/2006 0044	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006 0044	1.00000
Lab ID: 248531-15	Client ID: SB1165-4	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188899	188899		09/09/2006 1945	
5030B	5030 Purge & Trap	1	188923			09/11/2006 0119	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006 0119	1.00000
Lab ID: 248531-16	Client ID: SB1175-4	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188899	188899		09/09/2006 1948	
5030B	5030 Purge & Trap	1	188923			09/11/2006 0154	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006 0154	1.00000
Lab ID: 248531-17	Client ID: SB1185-2	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188899	188899		09/09/2006 1951	
5030B	5030 GC VOA (High Level Methanol)	1	189015			09/11/2006 1559	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	189016	189015		09/11/2006 1559	2.000
Lab ID: 248531-18	Client ID: SB1185-5	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188899	188899		09/09/2006 1953	
5030B	5030 GC VOA (High Level Methanol)	1	189015			09/11/2006 1634	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	189016	189015		09/11/2006 1634	2.000
Lab ID: 248531-19	Client ID: SB1195-3	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188899	188899		09/09/2006 1956	
5030B	5030 Purge & Trap	1	188923			09/11/2006 0228	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006 0228	1.00000
Lab ID: 248531-20	Client ID: SB1195-4	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188899	188899		09/09/2006 1959	
5030B	5030 GC VOA (High Level Methanol)	1	189015			09/11/2006 1709	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	189016	189015		09/11/2006 1709	4.000
Lab ID: 248531-21	Client ID: SB1215-3	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188859	188859		09/08/2006 1259	
5030B	5030 Purge & Trap	1	188923			09/11/2006 0303	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006 0303	1.00000
Lab ID: 248531-22	Client ID: SB1225-2	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188859	188859		09/08/2006 1301	
5030B	5030 GC VOA (High Level Methanol)	1	189015			09/11/2006 1744	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	189016	189015		09/11/2006 1744	1.0000
Lab ID: 248531-23	Client ID: SB1225-4	Date Recvd: 09/07/2006	Sample Date: 09/06/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	188859	188859		09/08/2006 1303	
5030B	5030 Purge & Trap	1	188923			09/11/2006 0338	

L A B O R A T O R Y C H R O N I C L E

Job Number: 248531

Date: 09/20/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Lab ID	Client ID	Date Recvd	Sample Date				DILUTION
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	
248531-23	SB1225-4	09/07/2006	09/06/2006				
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006 0338	1.00000
248531-24	SB1255-3	09/07/2006	09/06/2006				
Method	% Solids Determination	1	188859	188859		09/08/2006 1304	
248531-25	SB1125-5	09/07/2006	09/05/2006				
Method	% Solids Determination	1	188859	188859		09/08/2006 1306	
248531-26	SB1135-5	09/07/2006	09/05/2006				
5030B	% Solids Determination	1	188859	188859		09/08/2006 1308	
5030B	5030 Purge & Trap	1	188923			09/11/2006 0413	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006 0413	1.00000
248531-27	SB1145-3	09/07/2006	09/05/2006				
Method	% Solids Determination	1	188859	188859		09/08/2006 1310	
5030B	5030 Purge & Trap	1	188923			09/11/2006 0448	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006 0448	1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/2006

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- \* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- \* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- ^ EB1, EB2, EB3, MLE: Batch QC is greater than reporting limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/2006

greater than 25%.

Abbreviations

AS Post Digestion Spike (GFAA Samples - See Note 1 below)  
 Batch Designation given to identify a specific extraction, digestion, preparation set, or analysis set  
 CAP Capillary Column CCB Continuing Calibration Blank  
 CCV Continuing Calibration Verification  
 CF Confirmation analysis of original  
 C1 Confirmation analysis of A1 or D1  
 C2 Confirmation analysis of A2 or D2  
 C3 Confirmation analysis of A3 or D3  
 CRA Low Level Standard Check - GFAA; Mercury  
 CRI Low Level Standard Check - ICP  
 CV Calibration Verification Standard  
 Dil Fac Dilution Factor - Secondary dilution analysis  
 D1 Dilution 1  
 D2 Dilution 2  
 D3 Dilution 3  
 DLFac Detection Limit Factor  
 DSH Distilled Standard - High Level  
 DSL Distilled Standard - Low Level  
 DSM Distilled Standard - Medium Level  
 EB1 Extraction Blank 1  
 EB2 Extraction Blank 2  
 EB3 DI Blank  
 ELC Method Extracted LCS  
 ELD Method Extracted LCD  
 ICAL Initial calibration  
 ICB Initial Calibration Blank  
 ICV Initial Calibration Verification  
 IDL Instrument Detection Limit  
 ISA Interference Check Sample A - ICAP  
 ISB Interference Check Sample B - ICAP  
 Job No. The first six digits of the sample ID which refers to a specific client, project and sample group  
 Lab ID An 8 number unique laboratory identification  
 LCD Laboratory Control Standard Duplicate  
 LCS Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest  
 MB Method Blank or (PB) Preparation Blank  
 MD Method Duplicate  
 MDL Method Detection Limit  
 MLE Medium Level Extraction Blank  
 MRL Method Reporting Limit Standard  
 MSA Method of Standard Additions  
 MS Matrix Spike  
 MSD Matrix Spike Duplicate  
 ND Not Detected  
 PREPF Preparation factor used by the Laboratory's Information Management System (LIMS)  
 PDS Post Digestion Spike (ICAP)  
 RA Re-analysis of original  
 A1 Re-analysis of D1  
 A2 Re-analysis of D2  
 A3 Re-analysis of D3  
 RD Re-extraction of dilution  
 RE Re-extraction of original  
 RC Re-extraction Confirmation  
 RL Reporting Limit  
 RPD Relative Percent Difference of duplicate (unrounded) analyses  
 RRF Relative Response Factor  
 RT Retention Time



QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/20/2006

RTW Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number

SCB Seeded Control Blank

SD Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)

UCB Unseeded Control Blank

SSV Second Source Verification Standard

SLCS Solid Laboratory Control Standard(LCS)

PHC pH Calibration Check LCSP pH Laboratory Control Sample

LCDP pH Laboratory Control Sample Duplicate

MDPH pH Sample Duplicate

MDFP Flashpoint Sample Duplicate

LCFP Flashpoint LCS

G1 Gelex Check Standard Range 0-1

G2 Gelex Check Standard Range 1-10

G3 Gelex Check Standard Range 10-100

G4 Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

# **CHAIN OF CUSTODY**

SEVERN  
TRENT

STI

STI Chicago  
2417 Bond Street  
University Park, IL 60466  
Phone: 708-534-5200  
Fax: 708-534-5211

Report To:

Contact: Jessie Douglas  
Company: SEI Engineering  
Address: 10925 Elmwood St 100  
Oakland Park FL 33445-6621  
Phone: 913-451-7510  
Fax: 913-451-7513  
E-Mail: jessie.douglas@sei-engineering.com

Bill To:

Contact: Sam's Weeks  
Company: (Severn)  
Address:   
Phone:   
Fax:   
PO#:   
Quote:

Shaded Areas For Internal Use Only of

Sampler Name: Jessie Douglas



Project Number: 0220009056

Project Location: 54700's mo  
Lab P/N: Dickwig rd

Date Required: 1/11  
Hard Copy: 1/11  
Fax: 1/11

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix		Matrix	Comp/Grab	Retire #	#/Cont	Volume	Preserv
					Matrix	Comp/Grab						
1		SR1015-3	9/5/06	8:10	5	6	X					
2		SR1025-5	7/15/05	7:55	5	6	X					
3		SR1035-4	8/15	8:15	5	6	X					
4		SR1045-2	8/30	8:30	5	6	X					
5		SR1055-3	9/15	9:15	5	6	X					
6		SR1095-5	12/00	12:00	5	6	X					
7		SR1095-10	12/30	12:30	5	6	X					
8		SR1105-1	2/15	2:15	5	6	X					
9		SR1105-4	2/40	2:40	5	6	X					
10		SR1115-1	2/55	2:55	5	6	X					
11		SR1115-5	3/20	3:20	5	6	X					
12		SR1125-1	3/40	3:40	5	6	X					

Lab Lot# 248531

Package Sealed:  Yes  No

Received on ice:  Yes  No

Temperature °C of Cooler: (2.5) (2.1) (2.5)

Within Hold Time:  Yes  No

Preserv. Indicated:  Yes  No  NA

pH Check OK:  Yes  No  NA

Res Cl<sub>2</sub> Check OK:  Yes  No  NA

Sample Labels and CQC Agree:  Yes  No

CQC not present:  Yes  No

Additional Analyses / Remarks: Lab 344HA  
Merlin  
8082  
PLBs

REINQUISHED BY: [Redacted] COMPANY: SEI Engineering DATE: 9/2/06 TIME: 7:00

RECEIVED BY: [Redacted] COMPANY: SEI DATE: 9/7/06 TIME: 10:00

Container Key: 1. Plastic, 2. VOA Vial, 3. Sterile Plastic, 4. Amber Glass, 5. Widemouth Glass, 6. Other

Preservative Key: 1. HCl, Cool to 4°, 2. H2SO4, Cool to 4°, 3. HNO3, Cool to 4°, 4. NaOH, Cool to 4°, 5. NaOH/Zn, Cool to 4°, 6. Cool to 4°, 7. None

Matrix Key: WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air

SE = Sediment, SO = Silt, DS = Drum Solid, DL = Drum Liquid, L = Leachate, W = Wipe

0 =

COMMENTS: DATE RECEIVED: 9/7/06 DATE DELIVERED: 9/7/06

DATE RECEIVED: 9/7/06 TIME: 10:00

DATE DELIVERED: 9/7/06 TIME: 10:00

Courier: FX Hand Delivered:

Bill of Lading: see attached

**SEVERN TRENT**  
**STI**

STI Chicago  
2417 Bond Street  
University Park, IL 60466  
Phone: 708-534-5800  
Fax: 708-534-5211

Report To: **Severn Drinking**  
Contact: **Severn Drinking**  
Company: **SES Eng. Servs**  
Address: **1975 E. 116th St, #6211**  
Overland Park, KS 66211  
Phone: **913-451-7510**  
Fax: **913-451-7513**  
E-Mail: **jsd@seseng.com**

Bill To: **City of Overland Park**  
Contact: **City of Overland Park**  
Company: **City of Overland Park**  
Address: **10000 W. 116th St, #1000**  
Overland Park, KS 66211  
Phone: **913-451-7510**  
Fax: **913-451-7513**  
PO#: **0000000000**

Shaded Areas For Internal Use Only of \_\_\_\_\_  
Lab Lot# **248531**  
Package Sealed: Yes No Samples Sealed: Yes No  
Received on Ice: Yes No Samples Intact: Yes No  
Temperature °C of Cooler: \_\_\_\_\_  
Within Hold Time: Yes No Preserv. Indicated: Yes No NA  
pH Check OK: Yes No Res Cl<sub>2</sub> Check OK: Yes No NA  
Sample Labels and GOC Agree: Yes No GOC not present: Yes No  
Additional Analyses / Remarks: \_\_\_\_\_

Laboratory ID	MS-MSD	Client Sample ID	Date Required	Hard Copy	Fax	Sampling Date	Sampling Time	Matrix	Comp/Grab	Retrg #	#/Cont	Volume	Preserv	RECEIVED BY	DATE	TIME	COMMENTS
13		SB1155-2	02/08/06	1	1	9/6/06	8:00	S	6	X	X	X	X	(6)	9/6/06	7:00	
14		SB1155-3	02/08/06	1	1	8/10	8:10	S	6	X	X	X	X	(6)	9/6/06	7:00	
15		SB1165-4	02/08/06	1	1	11/00	11:00	S	6	X	X	X	X	(6)	9/6/06	7:00	
16		SB1175-4	02/08/06	1	1	11/45	11:45	S	6	X	X	X	X	(6)	9/6/06	7:00	
17		SB1185-2	02/08/06	1	1	1/10	1:10	S	6	X	X	X	X	(6)	9/6/06	7:00	
18		SB1185-5	02/08/06	1	1	1/25	1:25	S	6	X	X	X	X	(6)	9/6/06	7:00	
19		SB1195-3	02/08/06	1	1	2/05	2:05	S	6	X	X	X	X	(6)	9/6/06	7:00	
20		SB1195-4	02/08/06	1	1	2/25	2:25	S	6	X	X	X	X	(6)	9/6/06	7:00	
21		SB1215-3	02/08/06	1	1	3/10	3:10	S	6	X	X	X	X	(6)	9/6/06	7:00	
22		SB1225-2	02/08/06	1	1	4/20	4:20	S	6	X	X	X	X	(6)	9/6/06	7:00	
23		SB1225-4	02/08/06	1	1	4/24	4:24	S	6	X	X	X	X	(6)	9/6/06	7:00	
24		SB1255-3	02/08/06	1	1	6/00	6:00	S	6	X	X	X	X	(6)	9/6/06	7:00	

REINQUISHED BY: **(6)** COMPANY: **SES Eng. Servs** DATE: **9/6/06** TIME: **7:00**

RECEIVED BY: **(6)** COMPANY: **SE** DATE: **9/7/06** TIME: **1060**

COMMENTS: \_\_\_\_\_

Date Received: **9/7/06** Hand Delivered: **PK**

Courier: **PK** Bill of Lading: \_\_\_\_\_

STI Chicago

- Container Key**
1. Plastic
  2. VOA Vial
  3. Sterile Plastic
  4. Amber Glass
  5. Wide-mouth Glass
  6. Other
- Preservative Key**
1. HCl, Cool to 4°
  2. H2SO4, Cool to 4°
  3. HNO3, Cool to 4°
  4. NaOH, Cool to 4°
  5. NaOH/2%, Cool to 4°
  6. Cool to 4°
  7. None

- Matrix Key**
- SE = Sediment
  - SO = Solid
  - DS = Drum Solid
  - DL = Drum Liquid
  - L = Leachate
  - WI = Wipe
  - 0 =
- Miscellaneous**
- WV = Wastewater
  - W = Water
  - S = Soil
  - SL = Sludge
  - MS = Miscellaneous
  - OL = Oil
  - A = Air

**SEVERN TRENT**  
**STL**

STL Chicago  
2417 Bond Street  
University Park, IL 60466  
Phone: 708-534-5200  
Fax: 708-534-5211

Report To: Jerrett Dowling  
Company: STIS Eng. Assoc  
Address: 10975 Elmhurst St. 190  
Oakland Park, IL 60621  
Phone: 938-451-7510  
Fax: 913-451-7513  
Email: jerrett.dowling@stiseng.com

Bill To: Sevren Trent  
Company: (Sevren)  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#: \_\_\_\_\_  
Quote: \_\_\_\_\_

Shaded Areas For Internal Use Only of \_\_\_\_\_  
Lab Lot# 248531  
Package Sealed: Yes No Samples Sealed: Yes No  
Received on Ice: Yes No Samples Intact: Yes No  
Temperature: C. of Cooler: \_\_\_\_\_  
Within Hold Time: Yes No Preserv. Indicated: Yes No NA  
pH Check OK: Yes No Res Cl<sub>2</sub> Check OK: Yes No NA  
Sample Labels and COC Agree: Yes No COC not present: Yes No  
Additional Analyses / Remarks: \_\_\_\_\_

Sampler Name: Jerrett Dowling Signature: \_\_\_\_\_  
Project Name: 654 SLOP Project Number: 022007056  
Date Required: \_\_\_\_\_  
Date: \_\_\_\_\_  
Hard Copy: \_\_\_\_\_  
Fax: \_\_\_\_\_

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date/Time	Matrix		Refg #	#/Cont.	Volume	Preserv.	COMPANY
				Comp/Grab						
25		SB125-5	9:50 4:55	6	X	5082				IMPERIUM
26		SB135-5	5:30	5	X	PLB				IMPERIUM
27		SB145-3	6:00	5	X	8015 TPH DLO 8015 TPH 620				IMPERIUM

REINQUISHED BY: \_\_\_\_\_ DATE: 9/6/06 TIME: 7:00  
RECEIVED BY: (b) DATE: 9/6/06 TIME: 10:00  
REINQUISHED BY: (b) DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

Matrix Key: WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air  
SE = Sediment, SO = Solid, DL = Drum Solid, DS = Drum Liquid, L = Leadate, WI = Wipe, O = \_\_\_\_\_  
Container Key: 1. Plastic, 2. VOA Vial, 3. Sterile Plastic, 4. Amber Glass, 5. Widenmouth Glass, 6. Other  
Preservative Key: 1. HCl, Cool to 4°, 2. H2SO4, Cool to 4°, 3. HNO3, Cool to 4°, 4. NaOH, Cool to 4°, 5. NaOH/Zn, Cool to 4°, 6. Cool to 4°, 7. None  
Date Received: 9/17/06 Hand Delivered: PK  
Bill of Lading: \_\_\_\_\_



Job Number.: 248531	Location.: 57222	Check List Number.: 1	Description.:
Customer Job ID.....:	Job Check List Date.: 09/07/2006	Date of the Report...: 09/08/2006	Project Manager.....: rcw
Project Number.: 20006654	Project Description.: GSA - SLOP	Contact.: David Brewer	
Customer.....: SCS Engineers, Inc.			

Questions ?	(Y/N) Comments
Chain-of-Custody Present?.....	Y
Were samples dropped off at or picked up by STL?..	N
Custody seal on shipping container?.....	Y
...If "yes", custody seal intact?.....	Y
Custody seals on sample containers?.....	N
...If "yes", custody seal intact?.....	
Samples iced?.....	Y
Temperature of cooler acceptable? (4 deg C +/- 2).	Y 2.3,2.1,2.5
Samples received intact (good condition)?.....	Y
Volatile samples acceptable? (no headspace).....	
Correct containers used?.....	Y
Adequate sample volume provided?.....	Y
Samples preserved correctly?.....	Y
Samples received within holding-time?.....	Y
Agreement between COC and sample labels?.....	Y
Radioactivity at or below background levels?.....	Y
A Sample Discrepancy Report (SDR) was needed?.....	N
Residual Chlorine Check Required?	
If samples were shipped was there an air bill #?..	Y
Sample Custodian Signature/Date.....	Y



FedEx Tracking Number **8583 3269 2650**

From **916-06** Date **9/16/06** Sender's Name **Terrace Dining** Phone **913 491 1510**

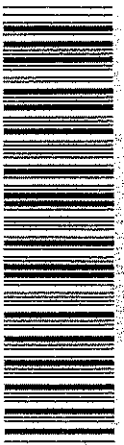
Company **SLC Engineers** Address **10975 Tibbitts Blvd** City **Overland Park** State **KS** ZIP **66209**

2. Your Internal Billing Reference **0220007056**

3. To Recipient's Name **Director** Phone **908 534 5200** Company **STL Chicago**

Recipients Address **2412 Bond St** Recipient's Address **We cannot deliver to PO boxes or PO ZIP codes.**

Address **University Park** State **IL** ZIP **60466**



8583 3269 2650

0200 **Payments Grow**

4a Express Package Service  
 Next business morning, \*Friday shipment will be delivered on Monday unless SATURDAY Delivery is selected.  
 FedEx 2Day  
 Second business day, \*Thursday shipment will be delivered on Monday unless SATURDAY Delivery is selected.  
 FedEx 2Day Freight  
 Second business day, \*Thursday shipment will be delivered on Monday unless SATURDAY Delivery is selected.  
 FedEx 3Day Freight  
 Third business day, \*Thursday shipment will be delivered on Monday unless SATURDAY Delivery is selected.

4b Express Freight Service  
 FedEx 2Day Freight  
 Second business day, \*Thursday shipment will be delivered on Monday unless SATURDAY Delivery is selected.  
 FedEx 3Day Freight  
 Third business day, \*Thursday shipment will be delivered on Monday unless SATURDAY Delivery is selected.

5 Packaging  
 FedEx Envelope\*  
 FedEx Pak\*  
 FedEx Box  
 FedEx Tube  
 FedEx other

6 Special Handling  
 SATURDAY Delivery  
 HOLD Weekday at FedEx Location  
 HOLD Saturday at FedEx Location  
 Dry Ice  
 Cargo Aircraft Only  
 Obtain Receipt  
 Cash/Check

7 Payment Bill to:  
 Sender  
 Recipient  
 Third Party  
 Credit Card  
 Cash/Check

8 NEW Residential Delivery Signature Options  
 No Signature Required  
 Direct Signature  
 Indirect Signature

Total Charges **1.50**  
 Total Declared Value **300**  
 Total Changes **520**



# CASE NARRATIVE

**Severn Trent Laboratories Chicago  
GC Volatile Case Narrative**

SCS Engineers, Inc.  
GSA – SLOP  
JOB# 248531  
Method GRO

1. All required holding times were met for the analysis.
2. The MB (Method Blank) samples did not have any results above the reporting limit.
3. All samples had all surrogate recoveries within the in-house QC limits.
4. The LCS (Laboratory Control Sample) samples had the spike recoveries within the in-house QC limits.
5. MS/MSD (Matrix Spike/Matrix Spike Duplicate) analyses were not performed on this job. The MS/MSD samples had the spike recoveries and the RPD value within the in-house QC limits.
6. All initial and calibration verification standards were within the control limits.
7. The samples were analyzed for GRO (Gasoline Range Organics) based on SW846 methods 5030, and 8015G. A HP 5890 gas chromatograph equipped with a Tekmar concentrator and vial autosampler was used for the analysis of these samples. Samples -13 through 16, 19, 21, 23, 26, & 27 were analyzed undiluted by the low-level method. Samples -17, 18 (100x), 20 (200x) and -22 (50x) were analyzed by the high-level methanol extraction method.

(b) (6)

William R. Estes  
GC-VOA Analyst

9-13-06

Date

# **QUALITY CONTROL SUMMARY**

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number.: 248531	SURROGATE RECOVERIES REPORT	Report Date.: 09/13/2006
CUSTOMER: SCS Engineers, Inc.	PROJECT: GSA - SLOP	ATTN: David Brewer

Method.....: TPH - Gasoline Range Organics (GRO)	Test Matrix...: Solid	Prep Batch...: 188923
Method Code...: 8015G	Batch(s).....: 188924	

Lab ID	DT	Sample ID	Date	ATFT	BRFLBE
LCS			09/10/2006	96	97
MB			09/10/2006	90	85
248531- 13		SB1155-2	09/11/2006	89	77
248531- 14		SB1155-3	09/11/2006	78	67
248531- 15		SB1165-4	09/11/2006	78	64
248531- 16		SB1175-4	09/11/2006	81	73
248531- 19		SB1195-3	09/11/2006	84	82
248531- 21		SB1215-3	09/11/2006	84	73
248531- 23		SB1225-4	09/11/2006	90	104
248531- 26		SB1135-5	09/11/2006	76	67
248531- 27		SB1145-3	09/11/2006	78	69

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	56 - 120

Method.....: TPH - Gasoline Range Organics (GRO)	Test Matrix...: High/Med Level	Prep Batch...: 189015
Method Code...: 8015G	Batch(s).....: 189016	

Lab ID	DT	Sample ID	Date	ATFT	BRFLBE
LCS			09/11/2006	97	96
MB			09/11/2006	95	90
248531- 17		SB1185-2	09/11/2006	94	104
248531- 18		SB1185-5	09/11/2006	93	100
248531- 20		SB1195-4	09/11/2006	94	95
248531- 22		SB1225-2	09/11/2006	93	91

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	63 - 182

QUALITY CONTROL RESULTS

Job Number.: 248531

Report Date.: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
---------	-------------	------------	--------	-----------------	------	------

Test Method.....: 8015B MGRO

Equipment Code.....: INST1314

Analyst...: wre

Method Description.: TPH - Gasoline Range Organics (GRO)

Batch.....: 188924

LCS	Laboratory Control Sample	G06110DSA	188923-002		09/10/2006	1820
-----	---------------------------	-----------	------------	--	------------	------

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Gasoline Range Organics (GRO), Solid	ug/Kg	398.255		400.000	5.400	U 100	% 70-130	

Job Number.: 248531

QUALITY CONTROL RESULTS

Report Date.: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
---------	-------------	------------	--------	-----------------	------	------

Test Method.....: 8015B MGRO

Equipment Code.....: INST1314

Analyst....: wre

Method Description.: TPH - Gasoline Range Organics (GRO)

Batch.....: 189016

LCS	Laboratory Control Sample	G06I11DSA	189015-002		09/11/2006	1305
-----	---------------------------	-----------	------------	--	------------	------

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Gasoline Range Organics (GRO), High/Me	ug/Kg	20191.900		20000.000	220.000	U 101	% 70-130	

STL Chicago

RECOVERY REPORT

Client Name: EPA GC  
 Sample Matrix: SOLID  
 Lab Smp Id: ical chk  
 Level: LOW  
 Data Type: GC DATA  
 SpikeList File: ICALCHK.spk  
 Sublist File: GRO.sub  
 Method File: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Misc Info: ical chk

Client SDG: 122105icalgrom  
 Fraction: VOA  
 Client Smp ID: ical chk  
 Operator: estesw  
 SampleType: LCS  
 Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
S 5 GRO	400.00	414.92	103.73	85-115

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
\$ 3 a,a,a-Trifluorotol	20.000	19.154	95.77	60-150
\$ 9 4-Bromofluorobenze	20.000	19.196	95.98	60-150





4A  
VOLATILE METHOD BLANK SUMMARY

Lab Name: \_\_\_\_\_ Contract: \_\_\_\_\_  
 Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 248531  
 Lab File ID: 091006A14\_011 Lab Sample ID: 188923-1MB  
 Date Analyzed: 09/10/06 Time Analyzed: 1746  
 Matrix: (soil/water) SOIL Level: (low/med) LOW  
 Instrument ID: INST13-14

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	188923-2LCS	188923-2LCS	091006A14_012	1820
02	SB1155-2	248531-13	091006A14_022	0009
03	SB1155-3	248531-14	091006A14_023	0044
04	SB1165-4	248531-15	091006A14_024	0119
05	SB1175-4	248531-16	091006A14_025	0154
06	SB1195-3	248531-19	091006A14_026	0228
07	SB1215-3	248531-21	091006A14_027	0303
08	SB1225-4	248531-23	091006A14_028	0338
09	SB1135-5	248531-26	091006A14_029	0413
10	SB1225-4	248531-23	091006A14_030	0448
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_

4A  
VOLATILE METHOD BLANK SUMMARY

Lab Name: \_\_\_\_\_ Contract: \_\_\_\_\_  
 Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 248531  
 Lab File ID: 09110614\_011 Lab Sample ID: 189015-1MB  
 Date Analyzed: 09/11/06 Time Analyzed: 1230  
 Matrix: (soil/water) SOIL Level: (low/med) LOW  
 Instrument ID: INST13-14

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	189015-2LCS	189015-2LCS	09110614_012	1305
02	SB1185-2	248531-17	09110614_017	1559
03	SB1185-5	248531-18	09110614_018	1634
04	SB1195-4	248531-20	09110614_019	1709
05	SB1225-2	248531-22	09110614_020	1744
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_

# **SAMPLE DATA**

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1155-2  
 Date Sampled: 09/06/2006  
 Time Sampled: 08:00  
 Sample Matrix: Soil

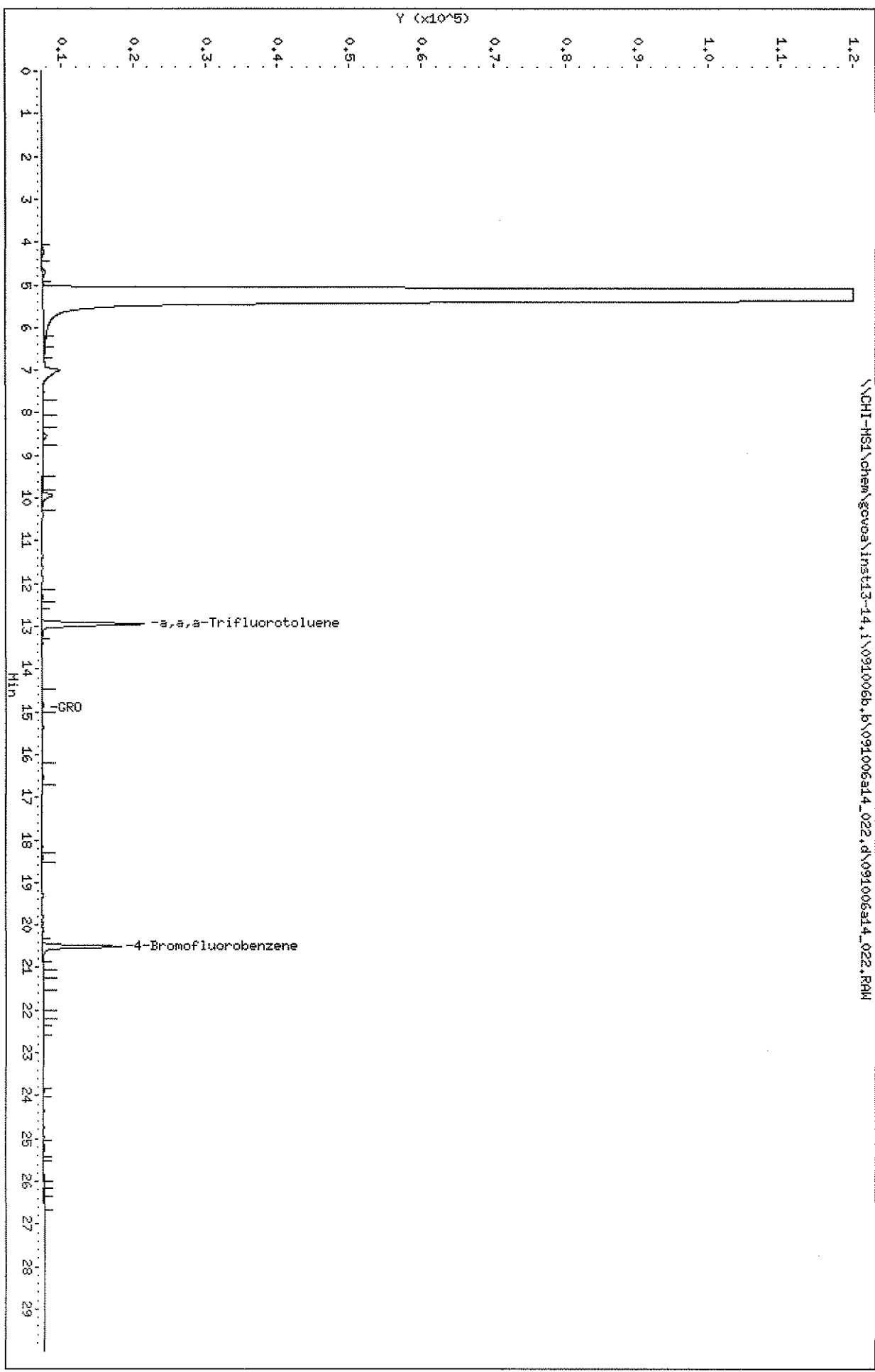
Laboratory Sample ID: 248531-13  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	85.4			0.10	0.10	1	%	188899		09/09/06 1939	clb
	% Moisture, Solid	14.6			0.10	0.10	1	%	188899		09/09/06 1939	clb
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	6.8	J	a	6.3	59	1.00000	ug/Kg	188924		09/11/06 0009	wre

\* In Description = Dry Wgt.

Data File: \\CHI-MS1\chem\gcvoa\inst13-14,1\091006b,b\091006a14\_022.d  
Date: 11-SEP-2006 00:09  
Client ID: SR155-2  
Sample Info: 248531-0135  
Column phase: DB-VRX

Instrument: inst13-14.1  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_022.d  
 Lab Smp Id: 248531-13 Client Smp ID: SB1155-2  
 Inj Date : 11-SEP-2006 00:09  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-013S  
 Misc Info : 248531-13  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	14.600	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.947	12.940	0.007	14317	17.7434	20.777
S 3 GRO	7.504-22.318			43708	5.78465	6.774 (a)
\$ 4 4-Bromofluorobenzene	20.499	20.488	0.011	11146	15.4620	18.105

(b) (6)

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1155-3  
 Date Sampled: 09/06/2006  
 Time Sampled: 08:10  
 Sample Matrix: Soil

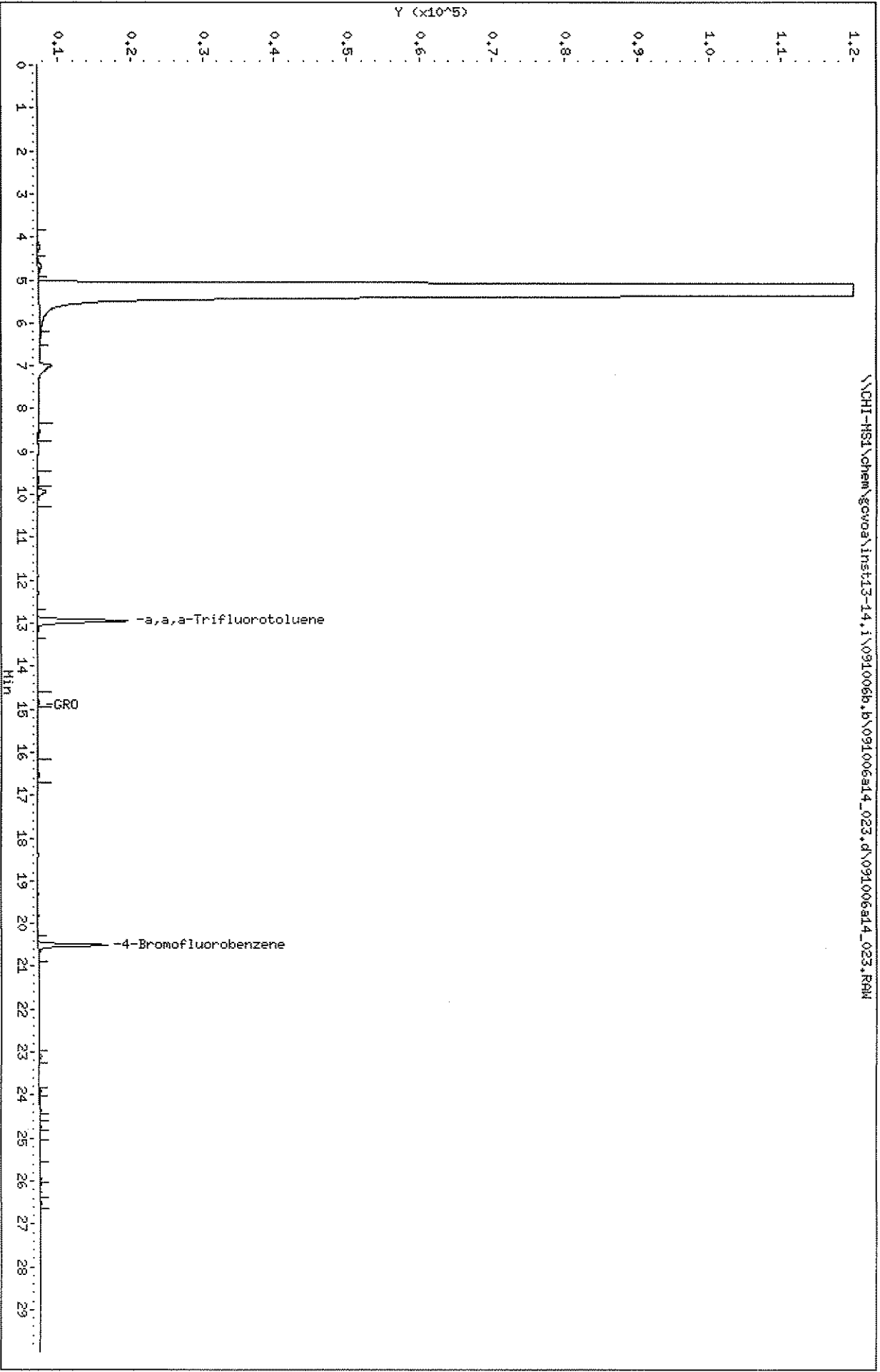
Laboratory Sample ID: 248531-14  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination % Solids, Solid % Moisture, Solid	83.7 16.3			0.10 0.10	0.10 0.10	1 1	%	188899 188899		09/09/06 1942 09/09/06 1942	clb clb
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	ND		U	6.5	60	1.00000	ug/Kg	188924		09/11/06 0044	wre

\* In Description = Dry Wgt.

Data File: \\CHI-HS1\chem\gcvoa\Inst13-14,1\091006b.b\091006a14\_023.d  
Date: 11-SEP-2006 00:44  
Client ID: SB1155-3  
Sample Info: 248531-014S  
Column phase: DB-VRX

Instrument: Inst13-14,1  
Operator: estevw  
Column diameter: 0.53





STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_023.d  
 Lab Smp Id: 248531-14 Client Smp ID: SB1155-3  
 Inj Date : 11-SEP-2006 00:44  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-014S  
 Misc Info : 248531-14  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	16.300	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.946	12.940	0.006	12597	15.6118	18.652
\$ 3 GRO	Compound Not Detected.					
\$ 4 4-Bromofluorobenzene	20.499	20.488	0.011	9636	13.3673	15.970

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1165-4  
 Date Sampled: 09/06/2006  
 Time Sampled: 11:00  
 Sample Matrix: Soil

Laboratory Sample ID: 248531-15  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	79.9		0.10	0.10	1	%	188899		09/09/06 1945	clb
	% Moisture, Solid	20.1		0.10	0.10	1	%	188899		09/09/06 1945	clb
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	ND	U	6.8	63	1.00000	ug/kg	188924		09/11/06 0119	wre

\* In Description = Dry Wgt.

Data File: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_024.d  
Date: 11-SEP-2006 01:19

Client ID: SB1165-4

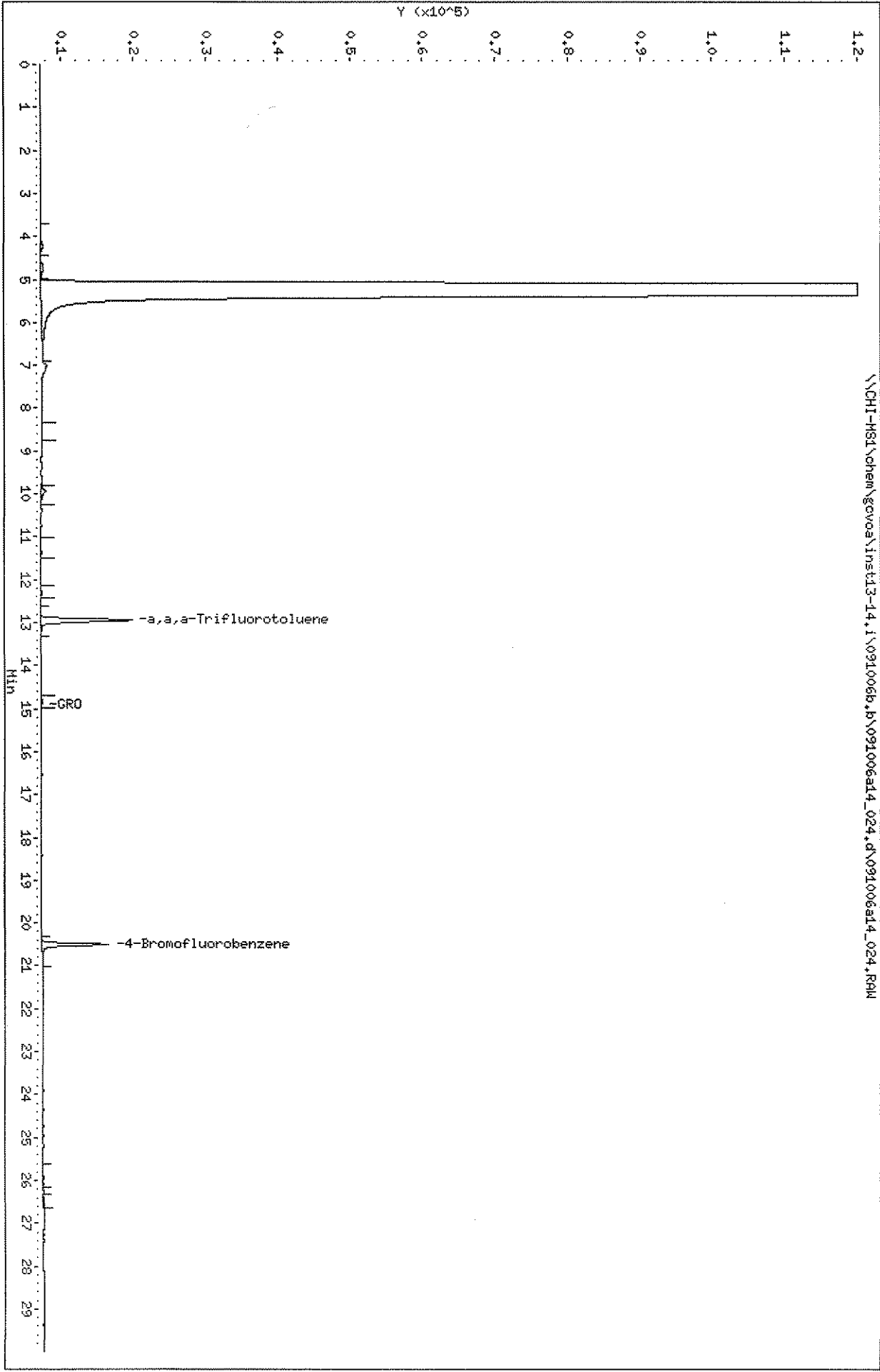
Sample Info: 248531-0155

Column Phase: DB-WRX

Instrument: inst13-14.i

Operator: estesw

Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_024.d  
 Lab Smp Id: 248531-15 Client Smp ID: SB1165-4  
 Inj Date : 11-SEP-2006 01:19  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-015S  
 Misc Info : 248531-15  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	20.100	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a-Trifluorotoluene	12.946	12.940	0.006	12628	15.6502	19.587
\$ 3 GRO	Compound Not Detected.					
\$ 4 4-Bromofluorobenzene	20.500	20.488	0.012	9224	12.7958	16.015

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1175-4  
 Date Sampled.....: 09/06/2006  
 Time Sampled.....: 11:45  
 Sample Matrix.....: Soil

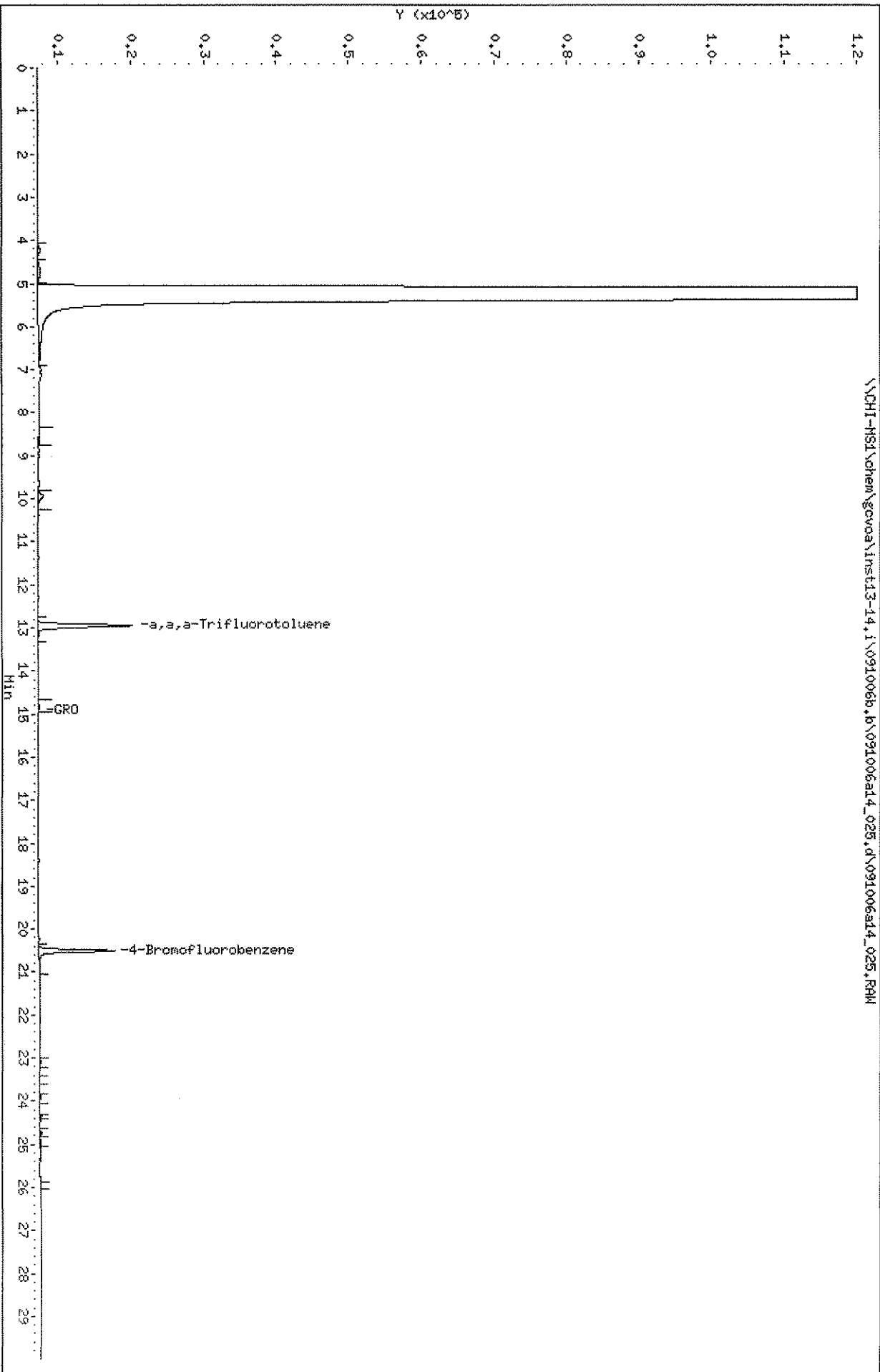
Laboratory Sample ID: 248531-16  
 Date Received.....: 09/07/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	78.9			0.10	0.10	1	%	188899		09/09/06 1948	clb
	% Moisture, Solid	21.1			0.10	0.10	1	%	188899		09/09/06 1948	clb
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	ND		U	6.8	63	1.00000	ug/Kg	188924		09/11/06 0154	wre

\* In Description = Dry Wgt.

Data File: \\CHI-HS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_025.d  
Date: 11-SEP-2006 01:54  
Client ID: S81475-4  
Sample Info: 248531-0165  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesz  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_025.d  
 Lab Smp Id: 248531-16 Client Smp ID: SB1175-4  
 Inj Date : 11-SEP-2006 01:54  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-016S  
 Misc Info : 248531-16  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	21.100	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.946	12.940	0.006	13081	16.2116	20.547
\$ 3 GRO	Compound Not Detected.					
\$ 4 4-Bromofluorobenzene	20.499	20.488	0.011	10532	14.6103	18.517

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1185-2  
 Date Sampled: 09/06/2006  
 Time Sampled: 13:10  
 Sample Matrix: Soil

Laboratory Sample ID: 248531-17  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), High/Med L*vel	39000		510	5800	2.000	ug/Kg	189016		09/11/06 1559	wre
Method	% Solids Determination % Solids, Solid % Moisture, Solid	85.8 14.2		0.10 0.10	0.10 0.10	1 1	% %	188899 188899		09/09/06 1951 09/09/06 1951	clb clb

\* In Description = Dry Wgt.



Data File: \\CHI-HS1\chem\gova\inst13-14.i\091106a.b\09110614\_017.d

Page 2

Date: 11-SEP-2006 15:59

Client ID: SR1185-2

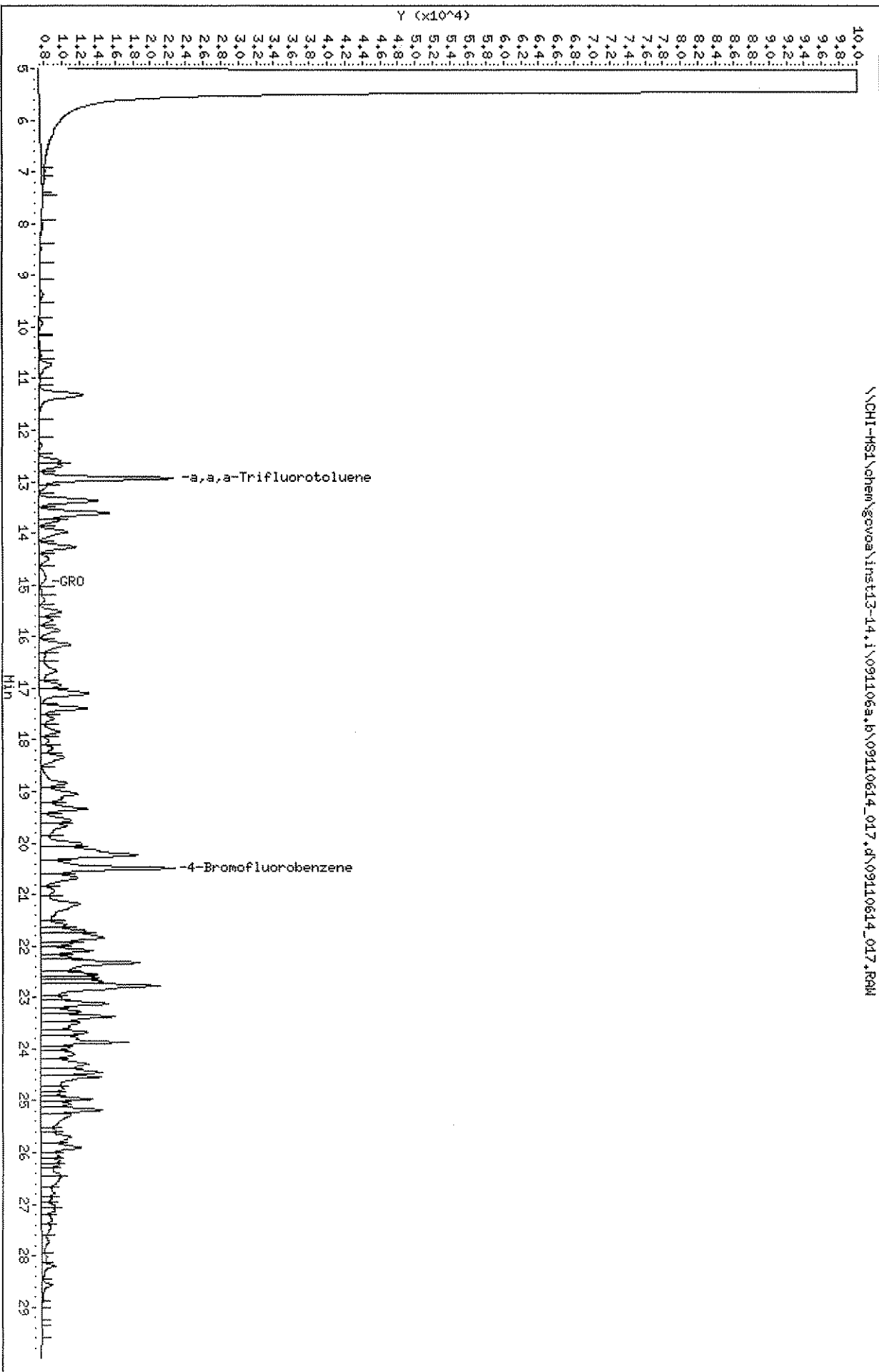
Sample Info: 248531-017S

Instrument: inst13-14.i

Operator: estesw

Column diameter: 0.53

Column phase: DB-VRX



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_017.d  
 Lab Smp Id: 248531-17 Client Smp ID: SB1185-2  
 Inj Date : 11-SEP-2006 15:59  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-017S  
 Misc Info : 248531-17  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:14 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1  
 Dil Factor: 100.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	14.200	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 3 a,a,a-Trifluorotoluene	12.936	12.948	-0.012	15381	18.7292	21.829
\$ 5 GRO	7.569-22.338			2406452	337.093	39288
\$ 9 4-Bromofluorobenzene	20.490	20.502	-0.012	15338	20.8493	24.300

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1185-5  
 Date Sampled.....: 09/06/2006  
 Time Sampled.....: 13:25  
 Sample Matrix.....: Soil

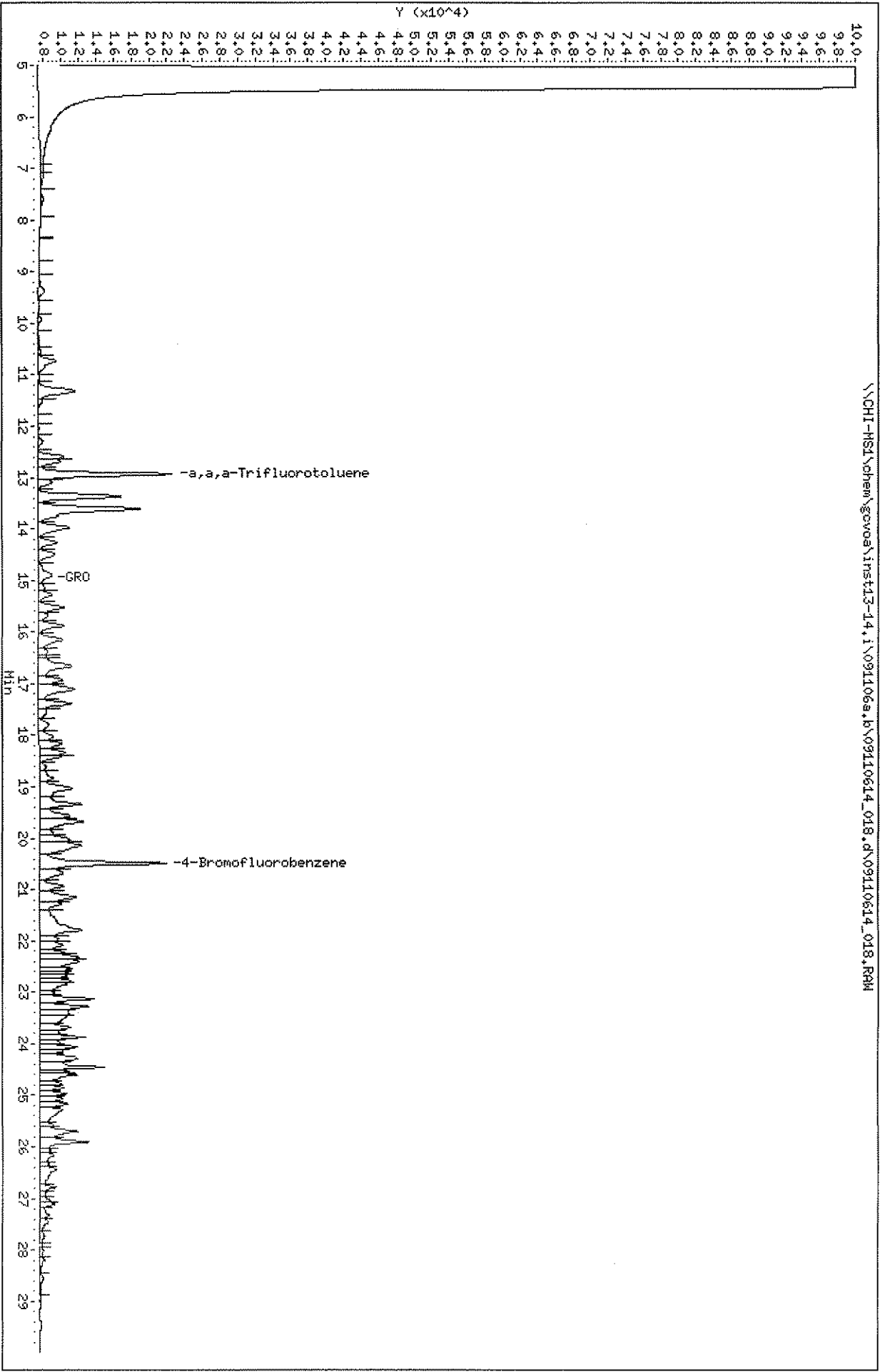
Laboratory Sample ID: 248531-18  
 Date Received.....: 09/07/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), High/Med L*vel	36000			510	5800	2.000	ug/Kg	189016		09/11/06 1634	wre
Method	% Solids Determination % Solids, Solid % Moisture, Solid	86.8 13.2			0.10 0.10	0.10 0.10	1 1	% %	188899 188899		09/09/06 1953 09/09/06 1953	clb clb

\* In Description = Dry Wgt.

Data File: \\CHI-HS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_018.d  
Date: 11-SEP-2006 16:34  
Client ID: SB1186-5  
Sample Info: 248531-018H  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_018.d  
 Lab Smp Id: 248531-18 Client Smp ID: SB1185-5  
 Inj Date : 11-SEP-2006 16:34  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-018H  
 Misc Info : 248531-18  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:14 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1  
 Dil Factor: 100.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	100.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	13.200	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 3 a,a,a-Trifluorotoluene	12.935	12.948	-0.013	15234	18.5502	21.371
\$ 5 GRO	7.569	22.338		2242241	314.091	36186
\$ 9 4-Bromofluorobenzene	20.488	20.502	-0.014	14700	19.9820	23.021

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1195-3  
 Date Sampled: 09/06/2006  
 Time Sampled: 14:05  
 Sample Matrix: Soil

Laboratory Sample ID: 248531-19  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	78.8			0.10	0.10	1	%	188899		09/09/06 1956	clb
	% Moisture, Solid	21.2			0.10	0.10	1	%	188899		09/09/06 1956	clb
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	310			6.9	63	1.00000	ug/Kg	188924		09/11/06 0228	wre

\* In Description = Dry Wgt.

Data File: \\CHI-HSL\chem\gvoa\inst13-14.i\091006b.b\091006a14\_026.d

Date: 11-SEP-2006 02:28

Client ID: SB138-3

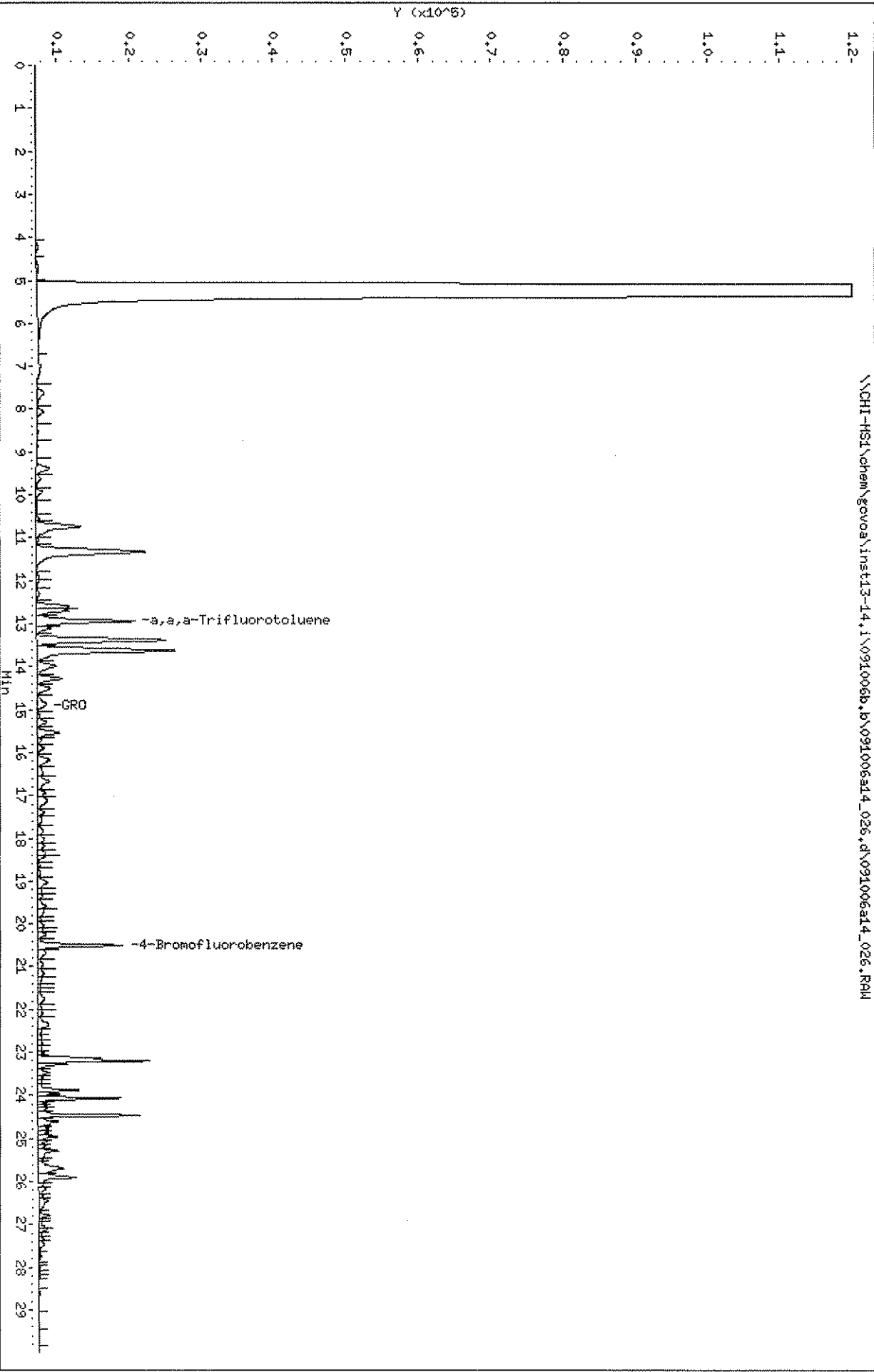
Sample Info: 248531-0193

Instrument: inst13-14.i

Operator: estesw

Column diameter: 0.53

Column phase: DB-VRX



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_026.d  
 Lab Smp Id: 248531-19 Client Smp ID: SB1195-3  
 Inj Date : 11-SEP-2006 02:28  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-019S  
 Misc Info : 248531-19  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	21.200	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.947	12.940	0.007	13594	16.8474	21.380
S 3 GRO	7.504-22.318			1844774	244.151	309.84
\$ 4 4-Bromofluorobenzene	20.500	20.488	0.012	11864	16.4581	20.886

(b) (6)



Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1195-4  
 Date Sampled: 09/06/2006  
 Time Sampled: 14:25  
 Sample Matrix: Soil

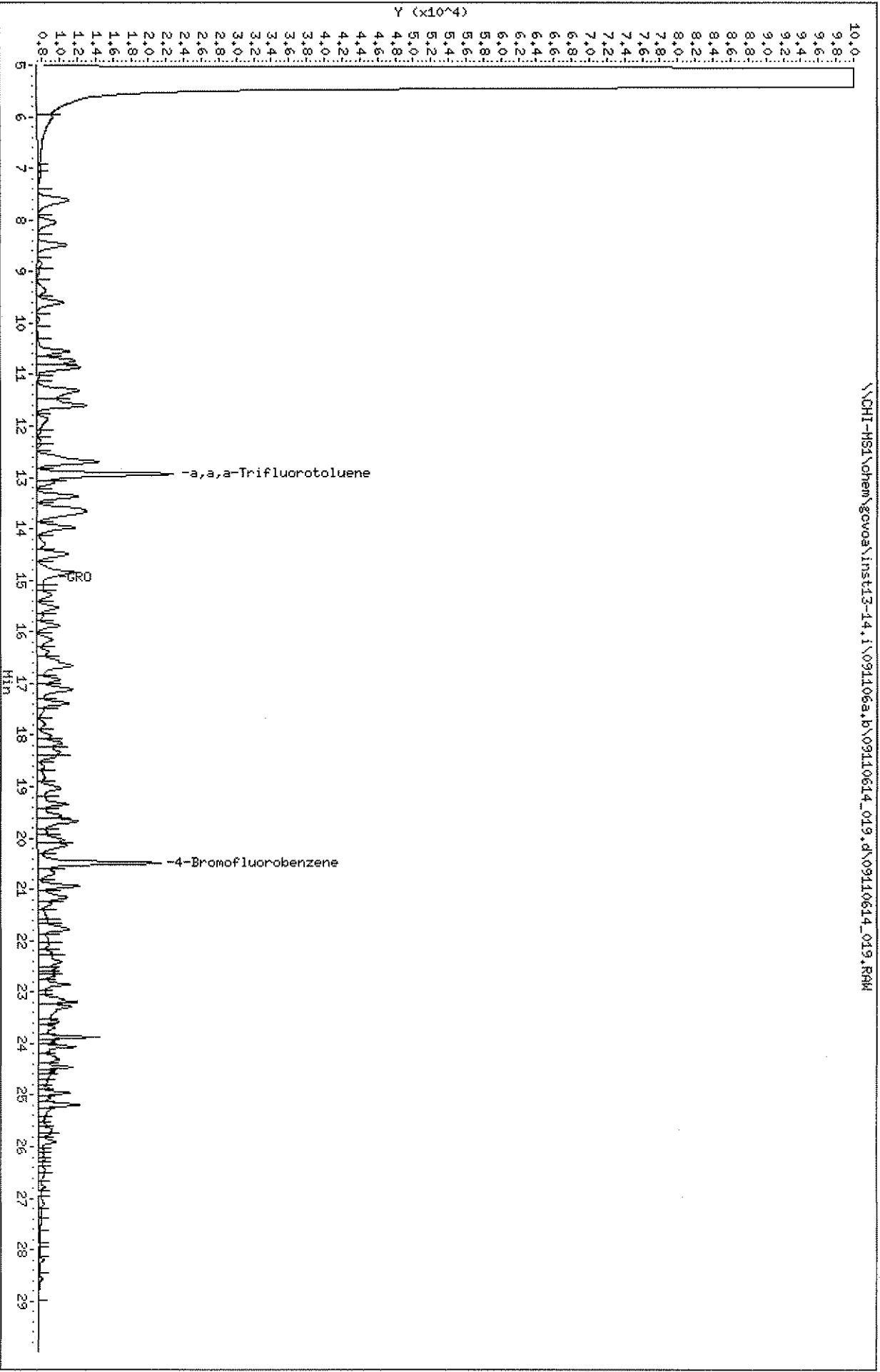
Laboratory Sample ID: 248531-20  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), High/Med L*vel	82000			1100	12000	4.000	ug/Kg	189016		09/11/06 1709	wre
Method	% Solids Determination % Solids, Solid % Moisture, Solid	81.1 18.9			0.10 0.10	0.10 0.10	1 1	% %	188899 188899		09/09/06 1959 09/09/06 1959	clb clb

\* In Description = Dry Wgt.

Data File: \\CHI-HS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_019.d  
Date: 11-SEP-2006 17:09  
Client ID: SB1195-4  
Sample Info: 248531-020H  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_019.d  
 Lab Smp Id: 248531-20 Client Smp ID: SB1195-4  
 Inj Date : 11-SEP-2006 17:09  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-020H  
 Misc Info : 248531-20  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:14 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1  
 Dil Factor: 200.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	200.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	18.900	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLF RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 3 a,a,a-Trifluorotoluene	12.937	12.948	-0.011	15494	18.8668	23.264
S 5 GRO	7.569	22.338		2382016	333.670	82286
\$ 9 4-Bromofluorobenzene	20.489	20.502	-0.013	14041	19.0862	23.534

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1215-3  
 Date Sampled: 09/06/2006  
 Time Sampled: 15:10  
 Sample Matrix: Soil

Laboratory Sample ID: 248531-21  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination % Solids, Solid % Moisture, Solid	80.1 19.9			0.10 0.10	0.10 0.10	1 1	% %	188859 188859		09/08/06 1259 09/08/06 1259	lp lp
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	ND		U	6.7	62	1.00000	ug/kg	188924		09/11/06 0303	wre

\* In Description = Dry Wgt.

Data File: \\CHI-MS1\chem\gvoa\inst13-14.i\091006b.b\091006a14\_027.d

Page 2

Date: 11-SEP-2006 03:03

Client ID: SB1215-3

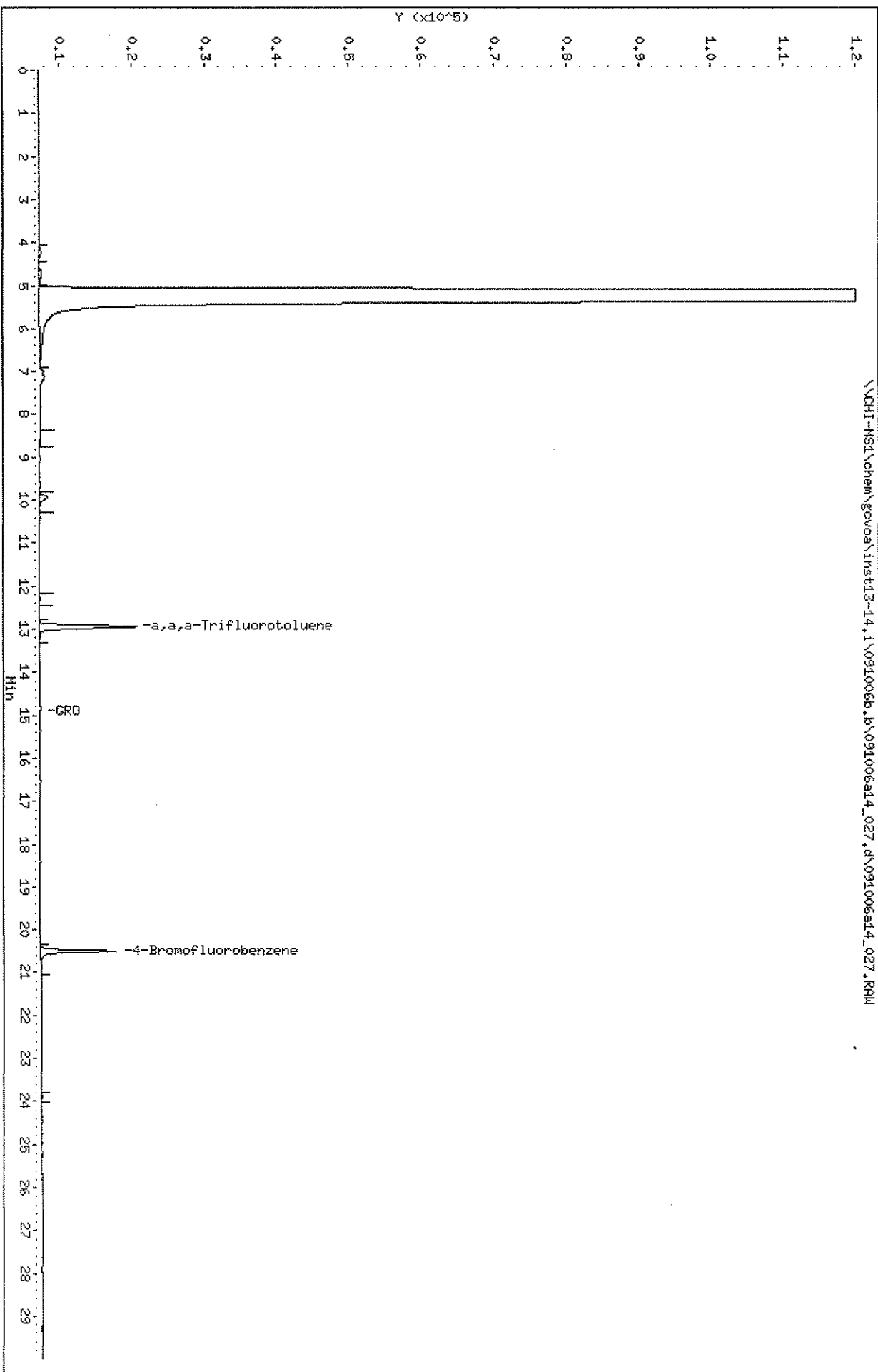
Sample Info: 248531-021S

Instrument: inst13-14.i

Operator: estew

Column diameter: 0.53

Column phase: DB-VRX



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_027.d  
 Lab Smp Id: 248531-21 Client Smp ID: SB1215-3  
 Inj Date : 11-SEP-2006 03:03  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-021S  
 Misc Info : 248531-21  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	19.900	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.948	12.940	0.008	13526	16.7631	20.928
\$ 3 GRO	Compound Not Detected.					
\$ 4 4-Bromofluorobenzene	20.500	20.488	0.012	10583	14.6810	18.328

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1225-2  
 Date Sampled: 09/06/2006  
 Time Sampled: 16:20  
 Sample Matrix: Soil

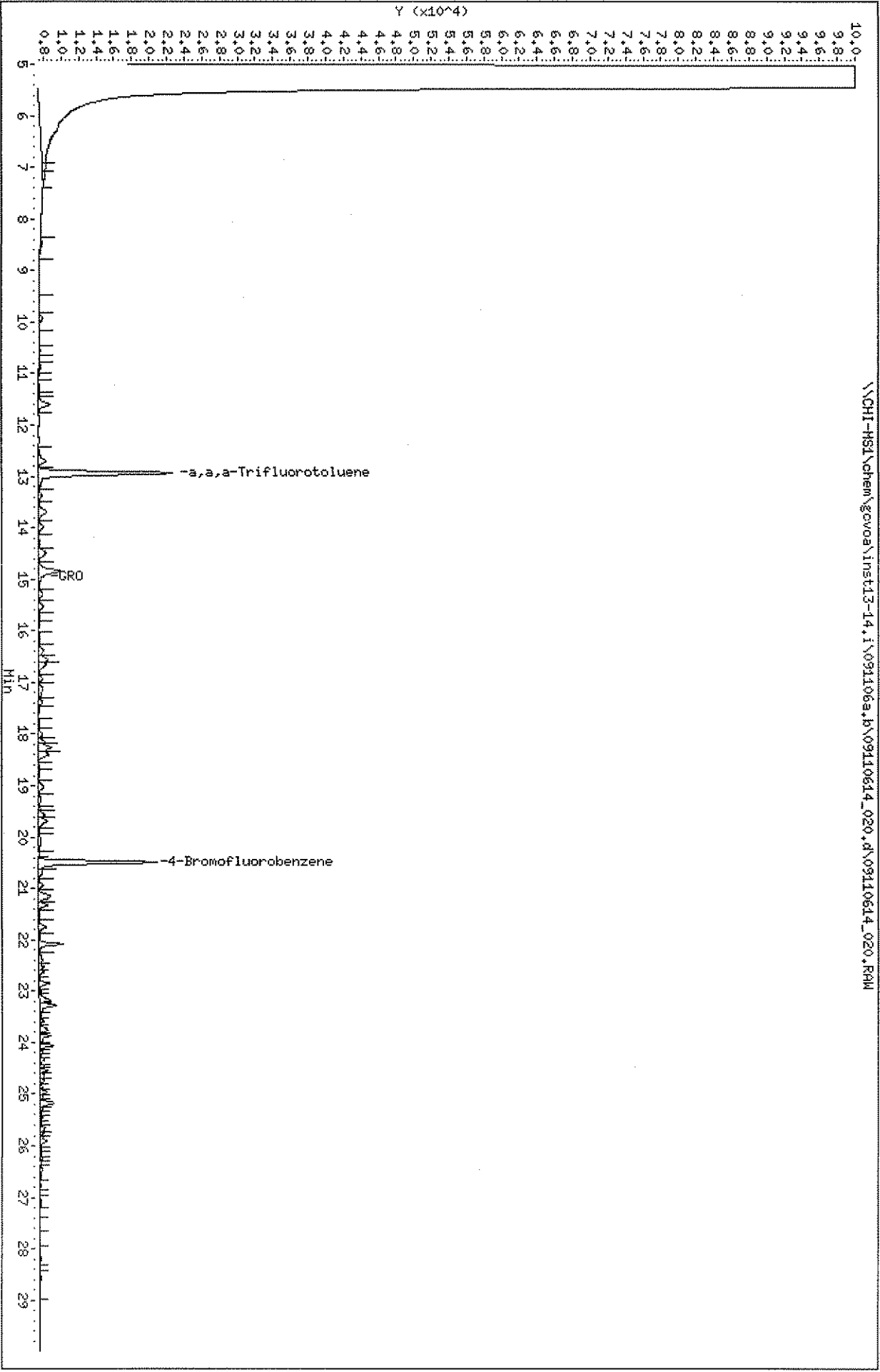
Laboratory Sample ID: 248531-22  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), High/Med L*vel	3400		270	3100	1.0000	ug/Kg	189016		09/11/06 1744	wre
Method	% Solids Determination % Solids, Solid % Moisture, Solid	81.9 18.1		0.10 0.10	0.10 0.10	1 1	% %	188859 188859		09/08/06 1301 09/08/06 1301	lp lp

\* In Description = Dry Wgt.

Data File: \\CHI-HSL\chem\gcwva\inst13-14.i\091106a.b\09110614\_020.d  
Date : 11-SEP-2006 17:44  
Client ID: S81225-2  
Sample Info: 248531-022H  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53





STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_020.d  
 Lab Smp Id: 248531-22 Client Smp ID: SB1225-2  
 Inj Date : 11-SEP-2006 17:44  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-022H  
 Misc Info : 248531-22  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:14 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1  
 Dil Factor: 50.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	50.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	18.100	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 3 a,a,a-Trifluorotoluene	12.934	12.948	-0.014	15311	18.6440	22.764
\$ 5 GRO	7.569-22.338			403124	56.4692	3447.4
\$ 9 4-Bromofluorobenzene	20.490	20.502	-0.012	13461	18.2978	22.342

(b) (6)

Job Number: 248531

LABORATORY TEST RESULTS

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1225-4  
 Date Sampled: 09/06/2006  
 Time Sampled: 16:40  
 Sample Matrix: Soil

Laboratory Sample ID: 248531-23  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	77.9			0.10	0.10	1	%	188859		09/08/06 1303	lp
	% Moisture, Solid	22.1			0.10	0.10	1	%	188859		09/08/06 1303	lp
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	700			6.9	64	1.00000	ug/Kg	188924		09/11/06 0338	wre

\* In Description = Dry Wgt.

Data File: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_028.d

Date: 11-SEP-2006 03:38

Client ID: SRI225-4

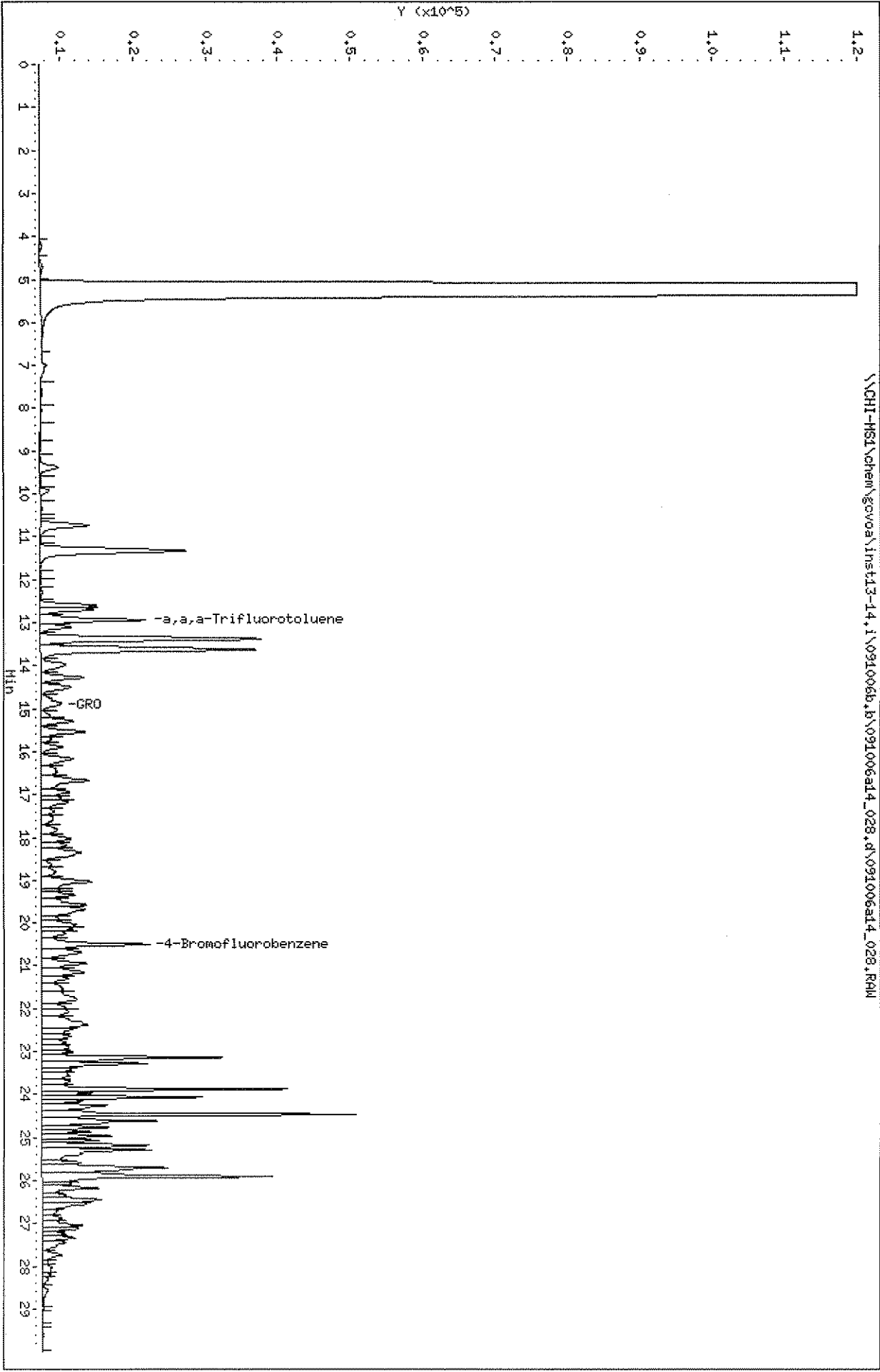
Sample Info: 248531-0238

Column phase: DB-VRX

Instrument: inst13-14.i

Operator: estesw

Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_028.d  
 Lab Smp Id: 248531-23 Client Smp ID: SB1225-4  
 Inj Date : 11-SEP-2006 03:38  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-023S  
 Misc Info : 248531-23  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	22.100	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.943	12.940	0.003	14566	18.0520	23.173
S 3 GRO	7.504-22.318			4138977	547.783	703.19
\$ 4 4-Bromofluorobenzene	20.498	20.488	0.010	14953	20.7432	26.628

(b) (6)

LABORATORY TEST RESULTS  
 Job Number: 248531  
 Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

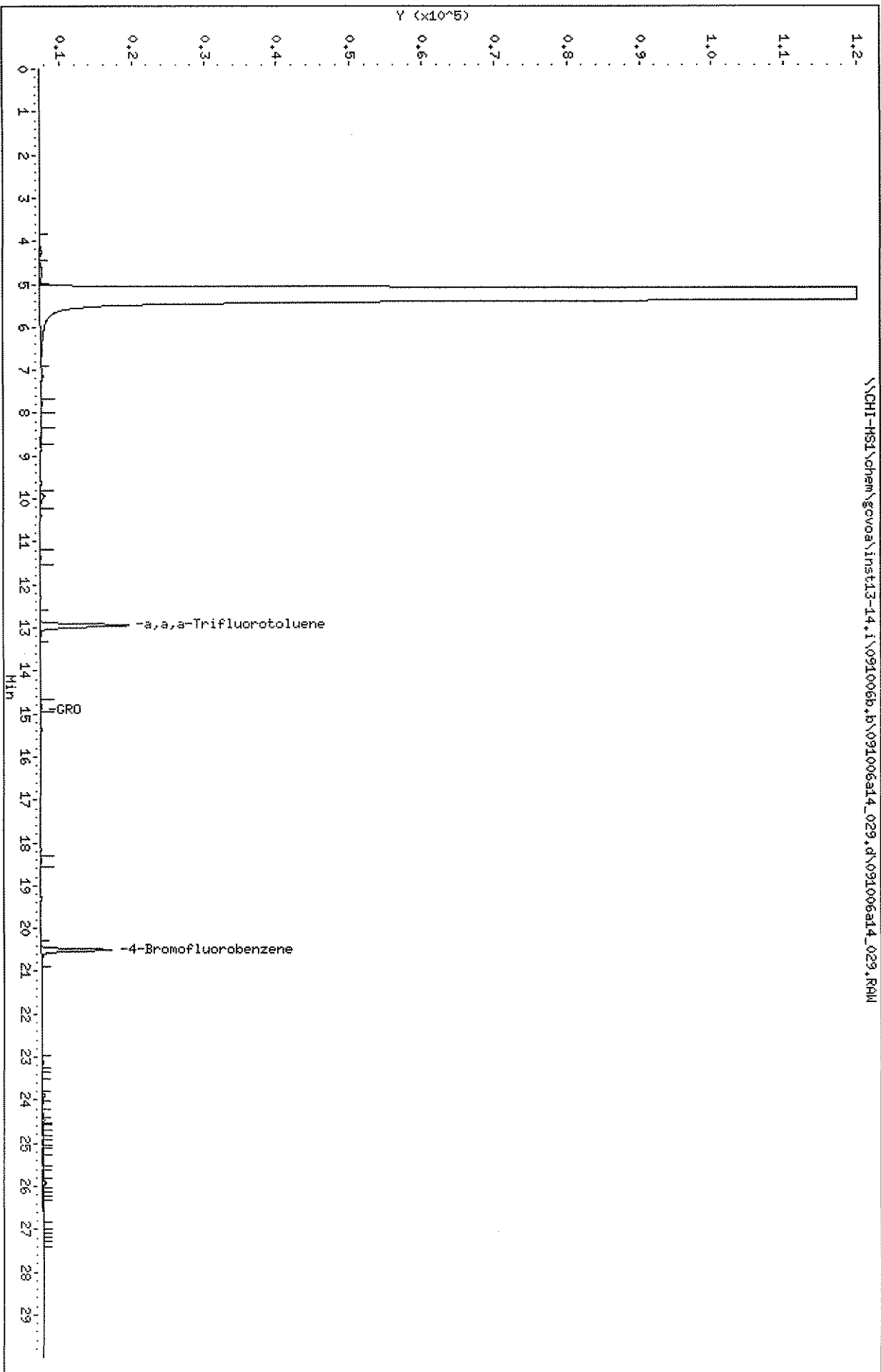
Customer Sample ID: SB1135-5  
 Date Sampled: 09/05/2006  
 Time Sampled: 17:30  
 Sample Matrix: Soil  
 Laboratory Sample ID: 248531-26  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination % Solids, Solid % Moisture, Solid	79.8 20.2			0.10 0.10	0.10 0.10	1 1	% %	188859 188859		09/08/06 1308 09/08/06 1308	lp lp
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	ND		U	6.8	63	1.00000	ug/Kg	188924		09/11/06 0413	wre

\* In Description = Dry Wgt. Page 13

Data File: \\CHI-HSI\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_029.d  
Date: 11-SEP-2006 04:13  
Client ID: SRI135-5  
Sample Info: 248531-0268  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_029.d  
 Lab Smp Id: 248531-26 Client Smp ID: SB1135-5  
 Inj Date : 11-SEP-2006 04:13  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-026S  
 Misc Info : 248531-26  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	20.200	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.947	12.940	0.007	12240	15.1693	19.009
\$ 3 GRO	Compound Not Detected.					
\$ 4 4-Bromofluorobenzene	20.500	20.488	0.012	9729	13.4963	16.913

(b) (6)

Job Number: 248531

L A B O R A T O R Y T E S T R E S U L T S

Date: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: SB1145-3  
 Date Sampled: 09/05/2006  
 Time Sampled: 18:00  
 Sample Matrix: Soil

Laboratory Sample ID: 248531-27  
 Date Received: 09/07/2006  
 Time Received: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	78.4			0.10	0.10	1	%	188859		09/08/06 1310	lp
	% Moisture, Solid	21.6			0.10	0.10	1	%	188859		09/08/06 1310	lp
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	ND		U	6.9	64	1.00000	ug/kg	188924		09/11/06 0448	wre

\* In Description = Dry Wgt.



Data File: \\CHI-MS1\chem\gvoa\Inst13-14,1\091006b,b\091006a14\_030.d

Date: 11-SEP-2006 04:48

Client ID: SB1225-4

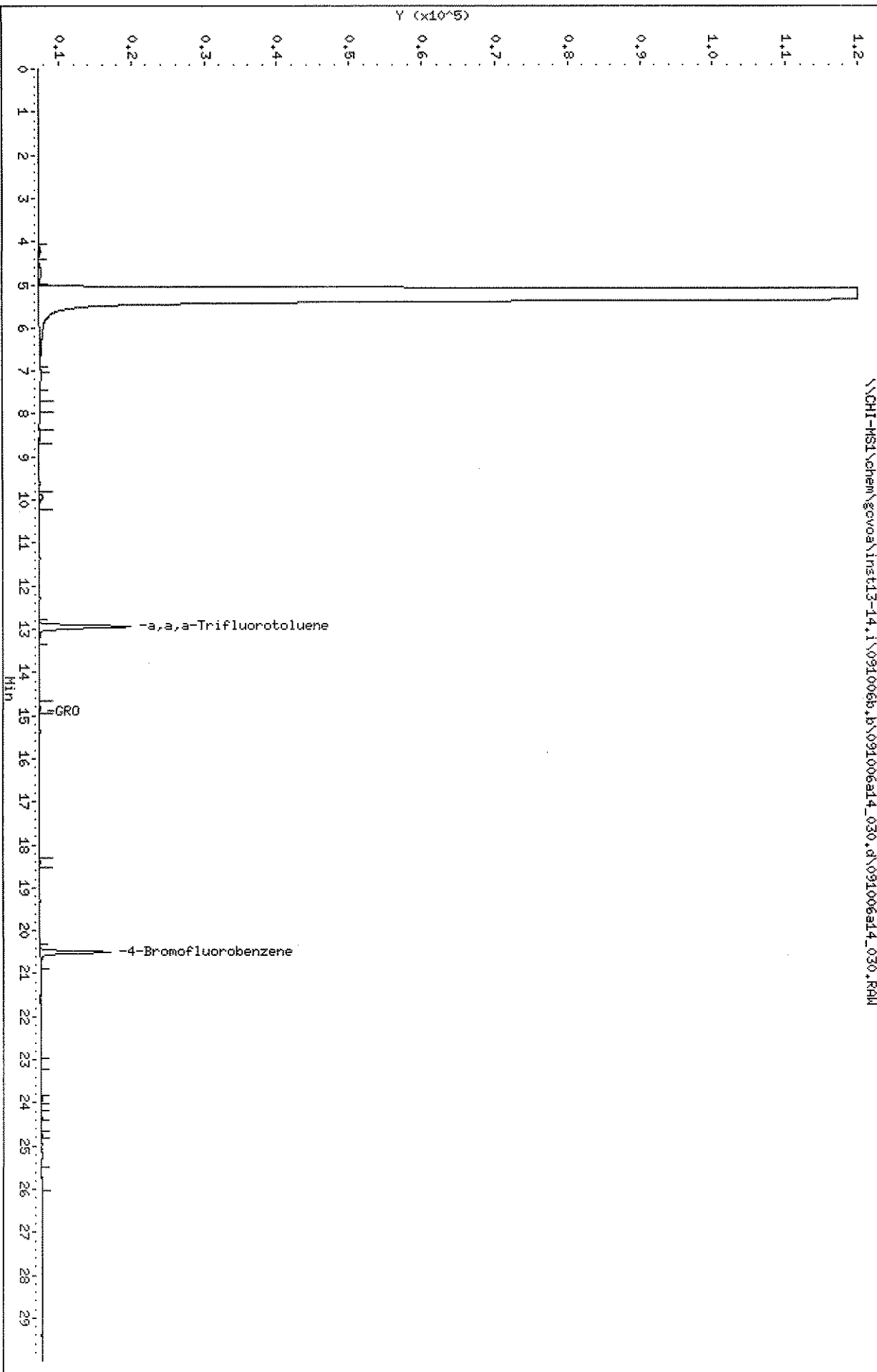
Sample Info: 248531-0235

Instrument: inst13-14,1

Operator: estesw

Column diameter: 0.53

Column phase: DB-VRX



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_030.d  
 Lab Smp Id: 248531-23 Client Smp ID: SB1225-4  
 Inj Date : 11-SEP-2006 04:48  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : 248531-023S  
 Misc Info : 248531-23  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	22.100	% Moisture
Cpnd Variable		Local Compound Variable

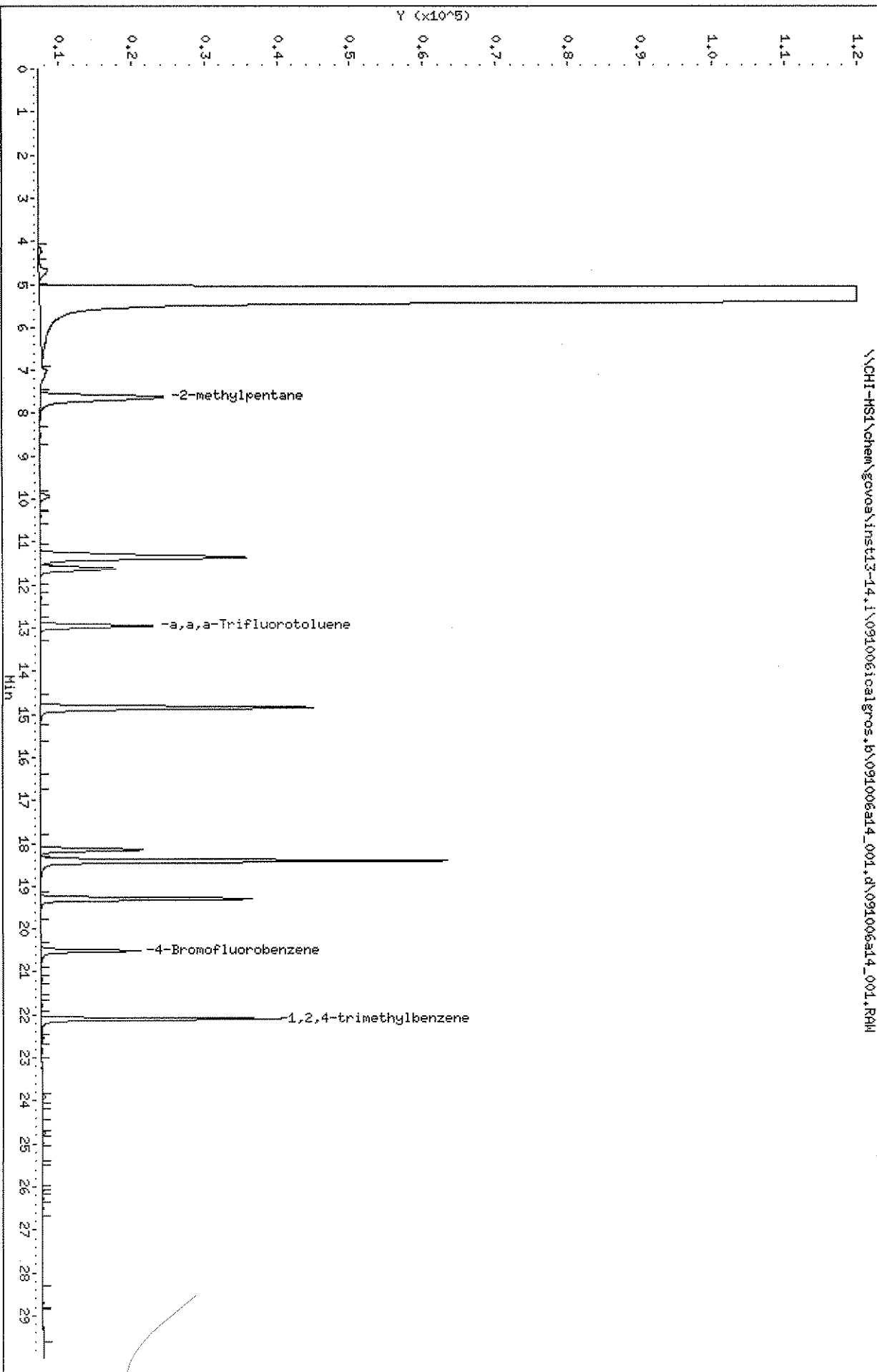
Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.944	12.940	0.004	12625	15.6465	20.085
S 3 GRO	Compound Not Detected.					
\$ 4 4-Bromofluorobenzene	20.500	20.488	0.012	9894	13.7252	17.619

(b) (6)

Data File: \\CHI-HSL\chem\gowoa\inst13-14.i\0910061cal\gras.b\091006a14\_001.d  
Date: 10-SEP-2006 11:57  
Client ID: rt  
Sample Info: rt

Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



# STANDARDS DATA

STL Chicago

INITIAL CALIBRATION DATA

Start Cal Date : 10-SEP-2006 13:06  
 End Cal Date : 10-SEP-2006 16:01  
 Quant Method : ESTD  
 Origin : Disabled  
 Target Version : 4.14  
 Integrator : HP Genie  
 Method file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Last Edit : 13-Sep-2006 05:22 inst13-14.i  
 Curve Type : Average

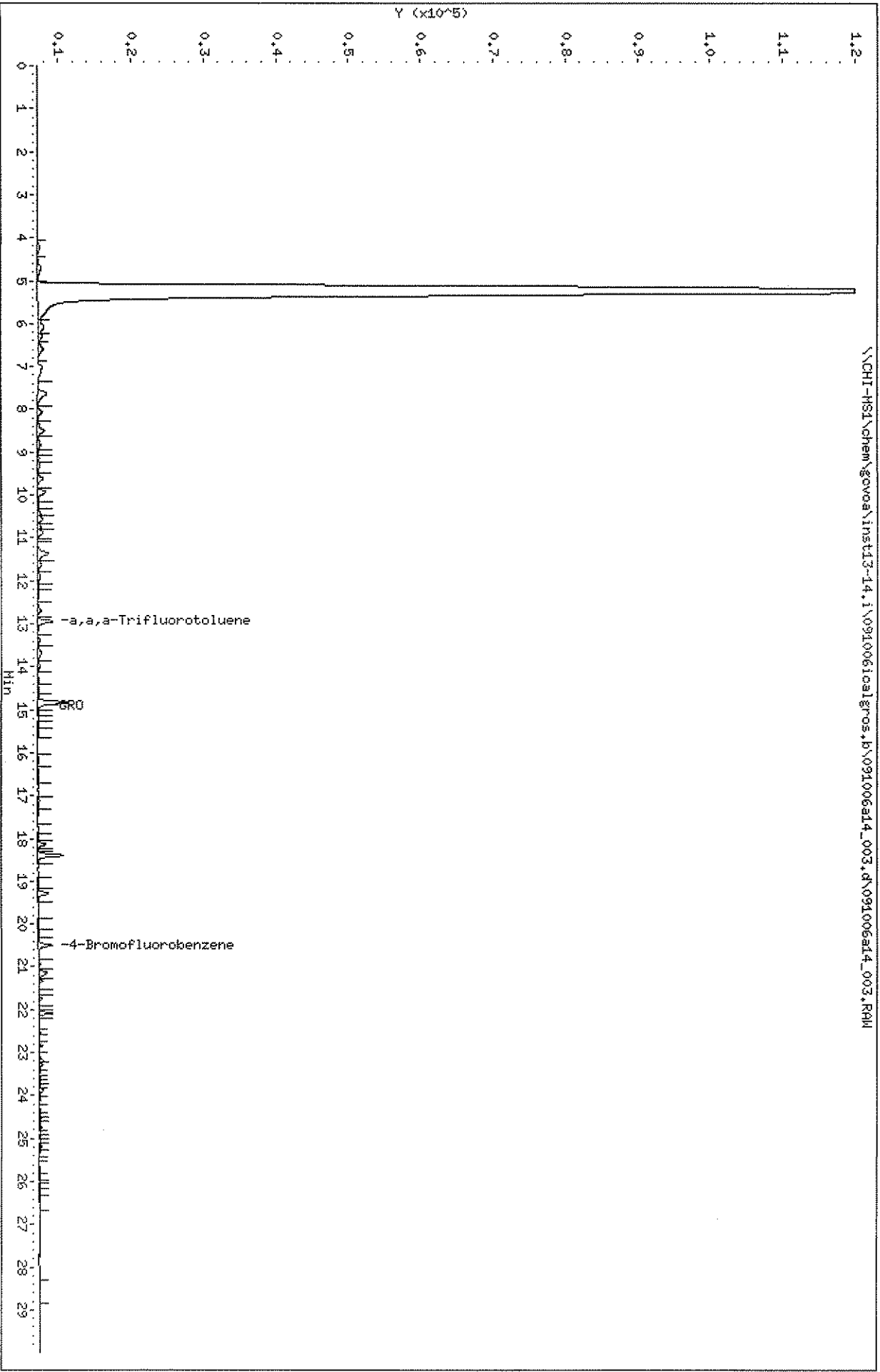
Calibration File Names:

Level 1: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_003.d  
 Level 2: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_004.d  
 Level 3: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_005.d  
 Level 4: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_006.d  
 Level 5: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_007.d  
 Level 6: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_008.d

Compound	2.500 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	30.000 Level 5	50.000 Level 6	RRF	% RSD
1 2-methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
S 3 GRO	7756	7535	7514	7503	7581	7446	7556	1.419
5 1,2,4-trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
\$ 2 a,a,a-Trifluorotoluene	851	799	795	798	801	797	807	2.702
\$ 4 4-Bromofluorobenzene	765	697	695	717	722	730	721	3.556

Data File: \\DHI-HS1\chem\gowa\inst13-14.i\0910061cal\ros.b\091006ad4\_003.d  
Date: 10-SEP-2006 13:06  
Client ID: 1050  
Sample Info: 1050  
Column phase: DB-WRX

Instrument: inst13-14.i  
Operator: estbasw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_003.d  
 Lab Smp Id: ic50 Client Smp ID: ic50  
 Inj Date : 10-SEP-2006 13:06  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic50  
 Misc Info : ic50  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m  
 Meth Date : 13-Sep-2006 04:58 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1 Calibration Sample, Level: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds					AMOUNTS	
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 2 a,a,a-Trifluorotoluene	12.944	12.940	0.004	2128	2.50000	2.637(a)
\$ 3 GRO	7.504-22.318			387784	50.0000	51.322
\$ 4 4-Bromofluorobenzene	20.494	20.488	0.006	1912	2.50000	2.652(a)

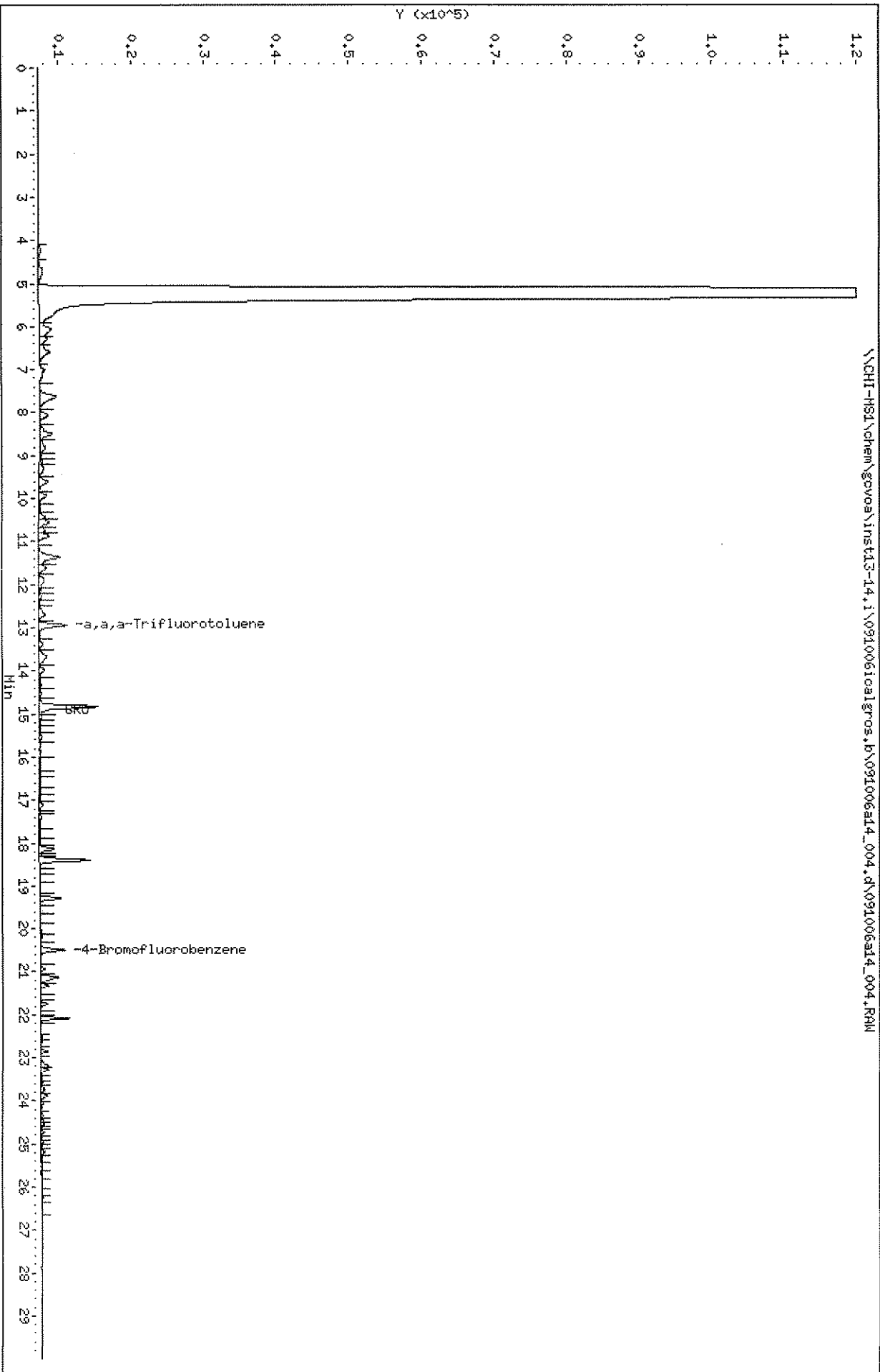
(b) (6)

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

Data File: \\CHI-HSI\chem\govos\inst13-14,i\0910061cal\gras,b\091006s14\_004.d  
Date: 10-SEP-2006 13:41  
Client ID: 1c100  
Sample Info: 1c100  
Column phase: DB-WRX

Instrument: inst13-14,i  
Operator: estesw  
Column diameter: 0.53





STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_004.d  
 Lab Smp Id: ic100 Client Smp ID: ic100  
 Inj Date : 10-SEP-2006 13:41  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic100  
 Misc Info : ic100  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m  
 Meth Date : 13-Sep-2006 04:58 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 13:06 Cal File: 091006a14\_003.d  
 Als bottle: 1 Calibration Sample, Level: 2  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds					AMOUNTS	
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 2 a,a,a-Trifluorotoluene	12.942	12.940	0.002	3993	5.00000	4.949(a)
\$ 3 GRO	7.504-22.318			753476	100.000	99.721
\$ 4 4-Bromofluorobenzene	20.491	20.488	0.003	3486	5.00000	4.836(a)

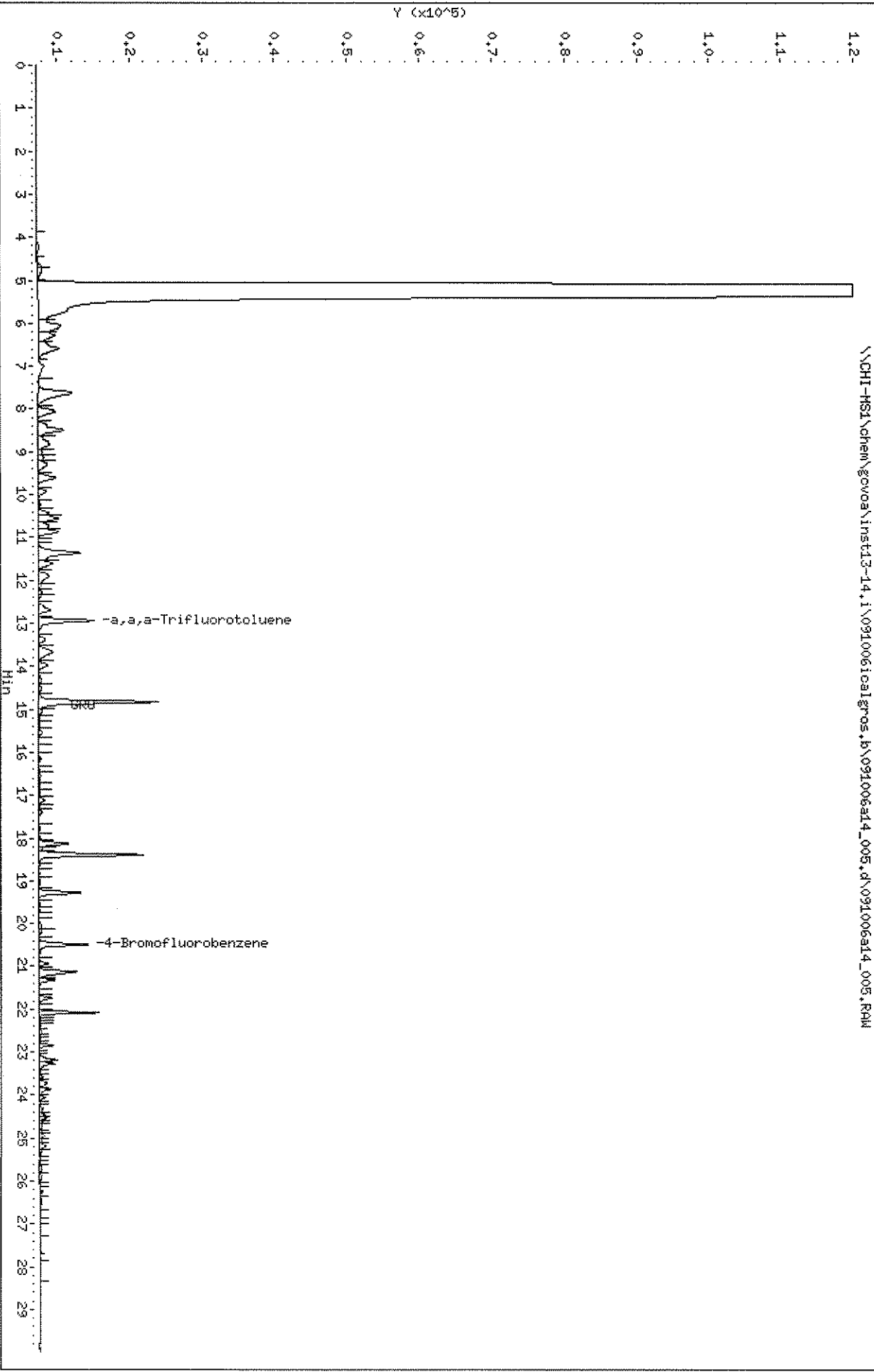
(b) (6)

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

Data File: \\CHI-HS1\chem\gcvoa\inst13-14.i\091006ical\gr05.b\091006a14\_005.d  
Date: 10-SEP-2006 14:16  
Client ID: 1c200  
Sample Info: 1c200  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_005.d  
 Lab Smp Id: ic200 Client Smp ID: ic200  
 Inj Date : 10-SEP-2006 14:16  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic200  
 Misc Info : ic200  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m  
 Meth Date : 13-Sep-2006 04:58 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 13:41 Cal File: 091006a14\_004.d  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

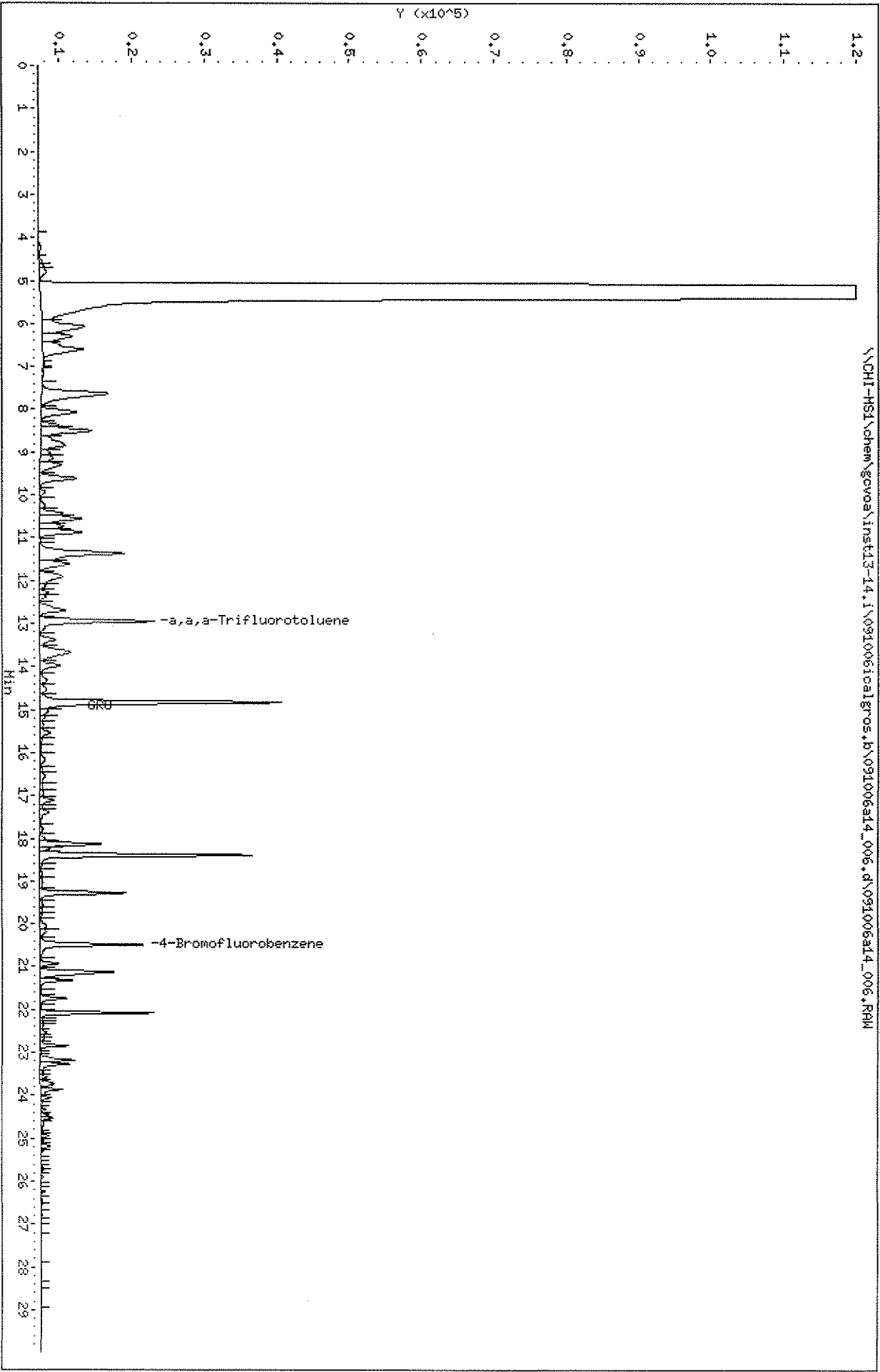
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS				CAL-AMT	ON-COL
	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
\$ 2 a,a,a-Trifluorotoluene	12.940	12.940	0.000	7951	10.0000	9.854
\$ 3 GRO	7.504-22.318			1502866	200.000	198.90
\$ 4 4-Bromofluorobenzene	20.488	20.488	0.000	6945	10.0000	9.634

(b) (6)

Data File: \\CHI-HSI\chem\gcvoa\inst13-14.1\091006a1gros.b\091006a14\_006.d  
Date: 10-SEP-2006 14:51  
Client ID: 1c400  
Sample Info: 1c400  
Column phase: DB-WRX

Instrument: inst13-14.1  
Operator: estbasw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_006.d  
 Lab Smp Id: ic400 Client Smp ID: ic400  
 Inj Date : 10-SEP-2006 14:51  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic400  
 Misc Info : ic400  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m  
 Meth Date : 13-Sep-2006 04:58 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 14:16 Cal File: 091006a14\_005.d  
 Als bottle: 1 Calibration Sample, Level: 4  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

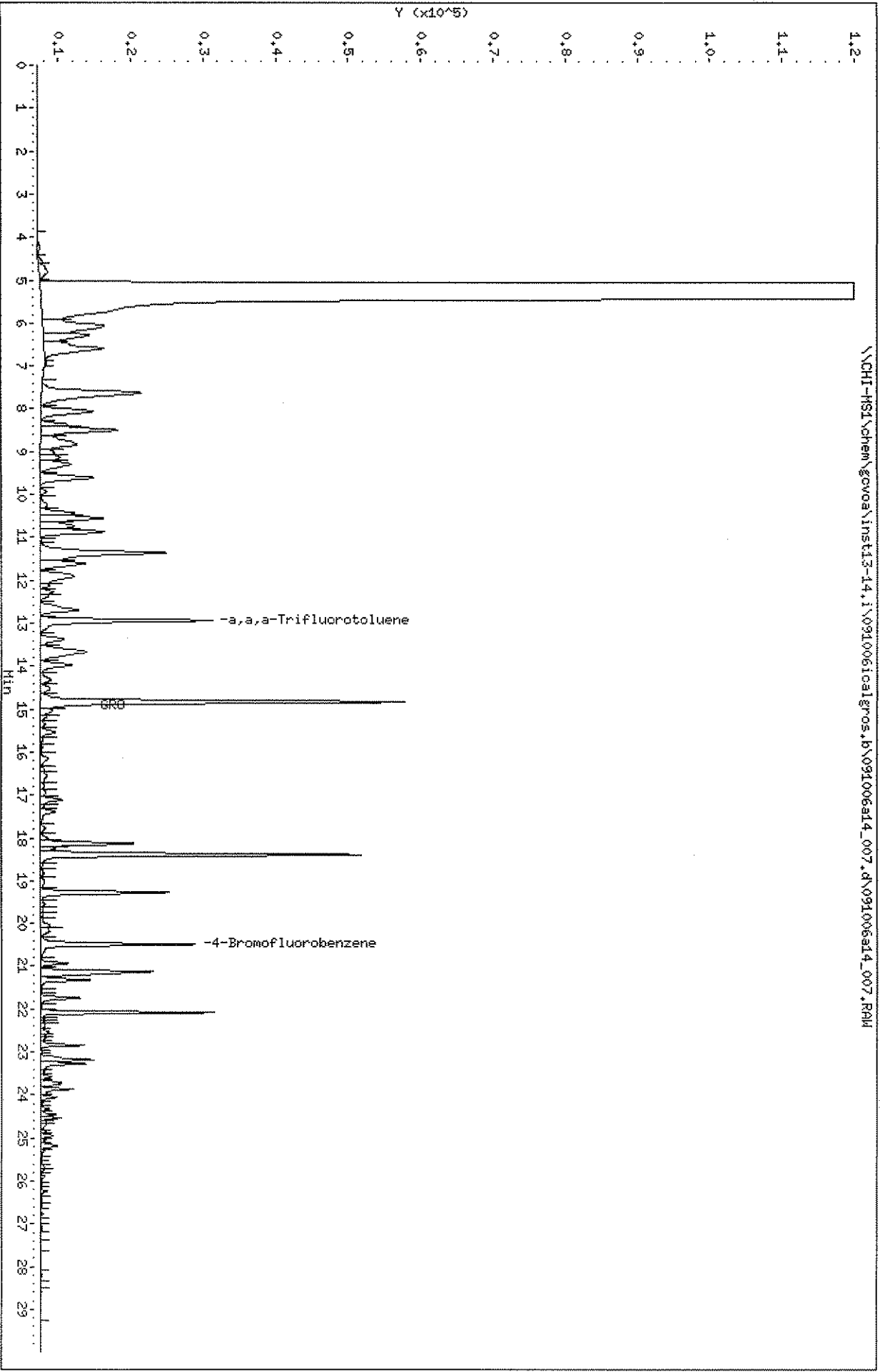
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds					AMOUNTS	
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 2 a,a,a-Trifluorotoluene	12.941	12.940	0.001	15964	20.0000	19.784
\$ 3 GRO	7.504-22.318			3001214	400.000	397.20
\$ 4 4-Bromofluorobenzene	20.487	20.488	-0.001	14340	20.0000	19.893

(b) (6)

Data File: \\CHI-HS1\chem\gcvos\inst13-14,1\091006icalgros,b\091006ad4\_007.d  
Date: 10-SEP-2006 15:26  
Client ID: 10600  
Sample Info: 10600  
Column phase: DB-VRX

Instrument: inst13-14.1  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_007.d  
 Lab Smp Id: ic600 Client Smp ID: ic600  
 Inj Date : 10-SEP-2006 15:26  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic600  
 Misc Info : ic600  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m  
 Meth Date : 13-Sep-2006 04:58 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 14:51 Cal File: 091006a14\_006.d  
 Als bottle: 1 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

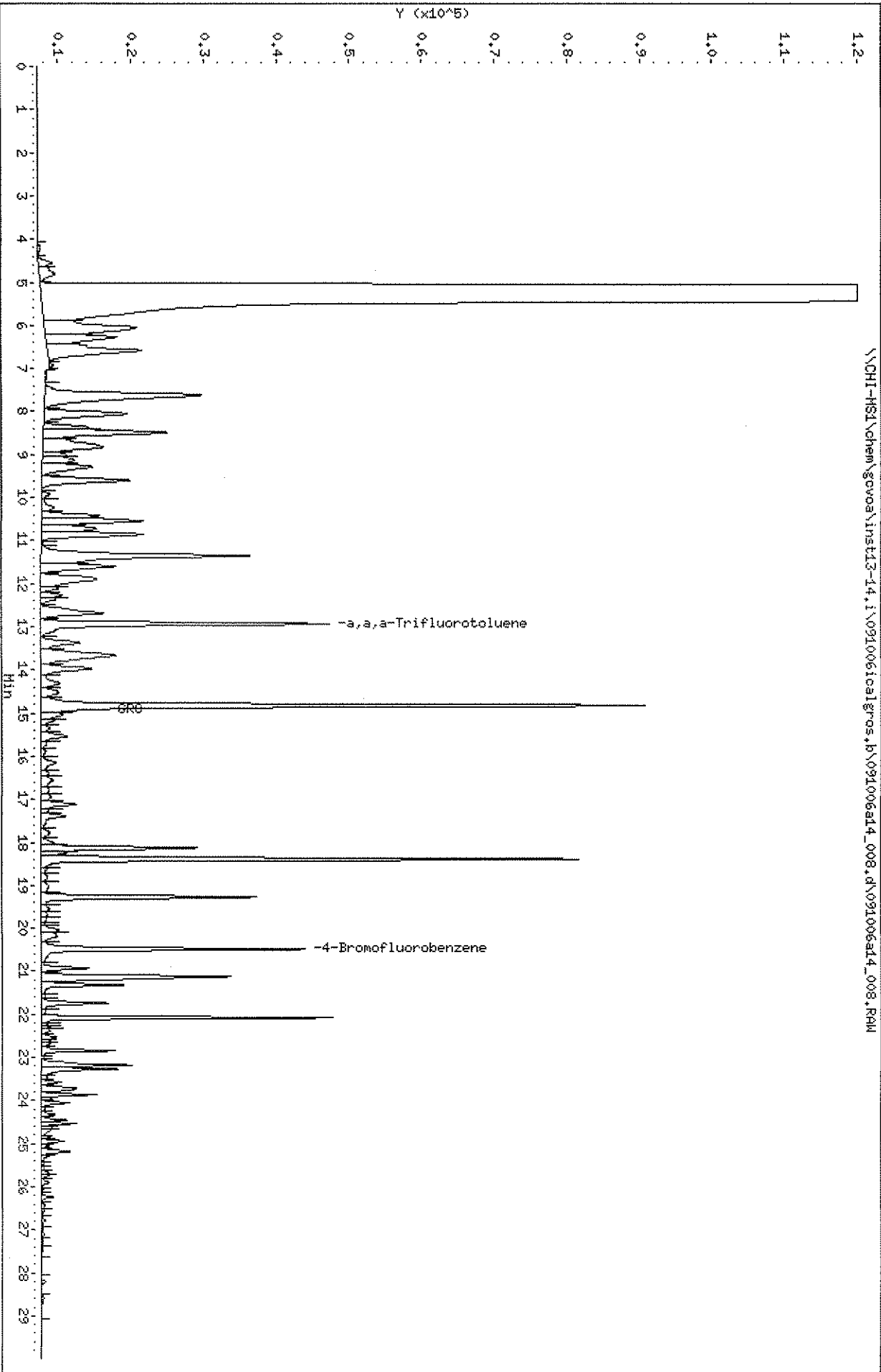
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS				CAL-AMT	ON-COL
	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
\$ 2 a,a,a-Trifluorotoluene	12.938	12.940	-0.002	24038	30.0000	29.791
\$ 3 GRO	7.504	22.318		4548534	600.000	601.99
\$ 4 4-Bromofluorobenzene	20.485	20.488	-0.003	21649	30.0000	30.032

(b) (6)

Data File: \\CHI-HS1\chem\gvooa\inst13-14,1\0910061cal\gros,b\091006a14\_008.d  
Date: 10-SEP-2006 16:01  
Client ID: 101000  
Sample Info: 101000  
Column phase: DB-VRX

Instrument: inst13-14,1  
Operator: estesw  
Column diameter: 0.53





STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_008.d  
 Lab Smp Id: ic1000 Client Smp ID: ic1000  
 Inj Date : 10-SEP-2006 16:01  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic1000  
 Misc Info : ic1000  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m  
 Meth Date : 13-Sep-2006 04:58 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 15:26 Cal File: 091006a14\_007.d  
 Als bottle: 1 Calibration Sample, Level: 6  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds					AMOUNTS	
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 2 a,a,a-Trifluorotoluene	12.934	12.940	-0.006	39849	50.0000	49.386
\$ 3 GRO	7.504	22.318		7446487	1000.00	985.52
\$ 4 4-Bromofluorobenzene	20.484	20.488	-0.004	36502	50.0000	50.636

(b) (6)

STL Chicago

INITIAL CALIBRATION DATA

Start Cal Date : 11-SEP-2006 07:51  
 End Cal Date : 11-SEP-2006 10:45  
 Quant Method : ESTD  
 Origin : Disabled  
 Target Version : 4.14  
 Integrator : HP Genie  
 Method file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Last Edit : 13-Sep-2006 05:14 inst13-14.i  
 Curve Type : Average

Calibration File Names:

Level 1: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_003.d  
 Level 2: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_004.d  
 Level 3: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_005.d  
 Level 4: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_006.d  
 Level 5: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_007.d  
 Level 6: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_008.d

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	40.000 Level 4	60.000 Level 5	100.000 Level 6	RRF	% RSD
1 2-methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
S 5 GRO	7300	7193	7197	7170	7137	6836	7139	2.215
12 1,2,4-trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
\$ 3 a,a,a-Trifluorotoluene	865	830	812	819	807	794	821	2.988
\$ 9 4-Bromofluorobenzene	808	731	713	724	720	717	736	4.892

Data File: \\CHI-HSL\chem\gova\inst13-14.i\0911061cal1grm.b\09110614\_003.d  
Date: 11-SEP-2006 07:51

Client ID: 1050

Sample Info: 1050

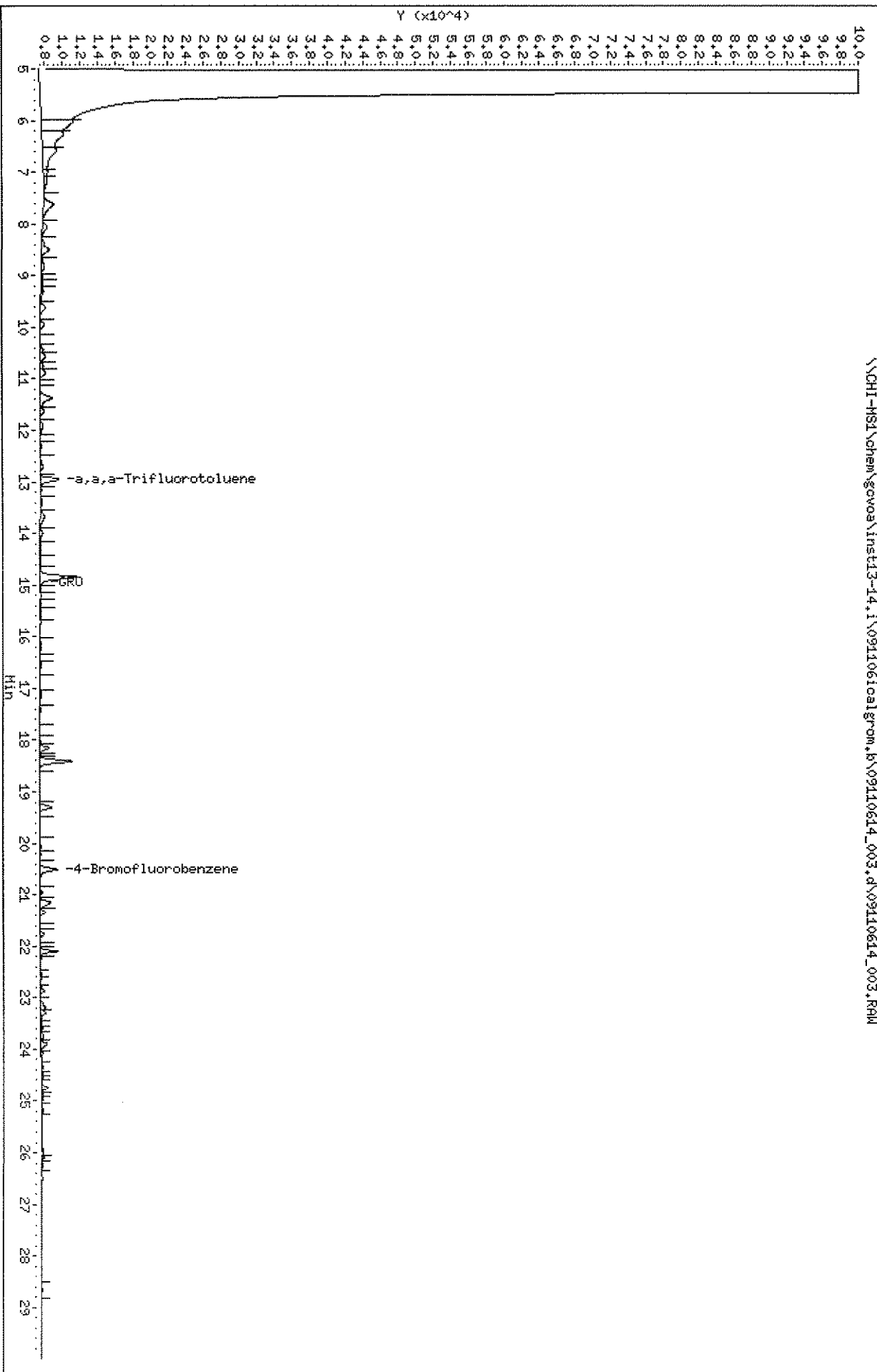
Column Phase: DB-VRX

Instrument: inst13-14.i

Operator: estesw

Column diameter: 0.53

\\CHI-HSL\chem\gova\inst13-14.i\0911061cal1grm.b\09110614\_003.d\09110614\_003.RAW



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_003.d  
 Lab Smp Id: ic50 Client Smp ID: ic50  
 Inj Date : 11-SEP-2006 07:51  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic50  
 Misc Info : ic50  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:03 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1 Calibration Sample, Level: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 3 a,a,a-Trifluorotoluene	12.953	12.948	0.005	2162	2.50000	2.633 (a)
\$ 5 GRO	7.569-22.338			364986	50.0000	51.127
\$ 9 4-Bromofluorobenzene	20.508	20.502	0.006	2020	2.50000	2.746 (a)

(b) (6)

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

Data File: \\CHI-HSL\chem\gova\inst13-14.i\0911061calgrm.b\09110614\_004.d

Date: 11-SEP-2006 08:26

Client ID: ic100

Sample Info: ic100

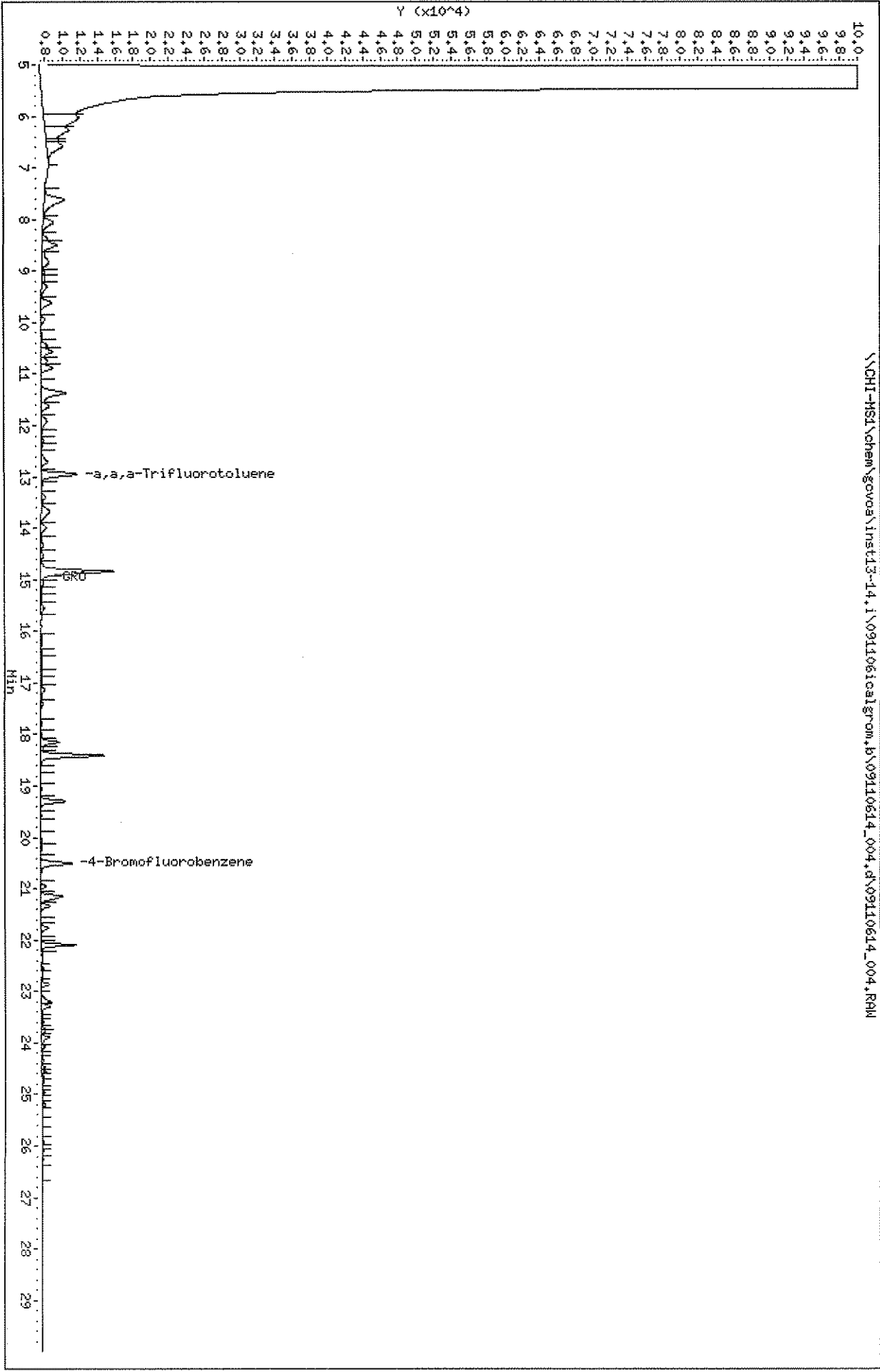
Column phase: DB-VRX

Instrument: inst13-14.i

Operator: estesw

Column diameter: 0.53

\\CHI-HSL\chem\gova\inst13-14.i\0911061calgrm.b\09110614\_004.d\09110614\_004.RAW



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_004.d  
 Lab Smp Id: ic100 Client Smp ID: ic100  
 Inj Date : 11-SEP-2006 08:26  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic100  
 Misc Info : ic100  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:03 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 07:51 Cal File: 09110614\_003.d  
 Als bottle: 1 Calibration Sample, Level: 2  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS				CAL-AMT	ON-COL
	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
\$ 3 a,a,a-Trifluorotoluene	12.951	12.948	0.003	4152	5.00000	5.056
\$ 5 GRO	7.569	22.338		719256	100.000	100.75
\$ 9 4-Bromofluorobenzene	20.505	20.502	0.003	3657	5.00000	4.971(a)

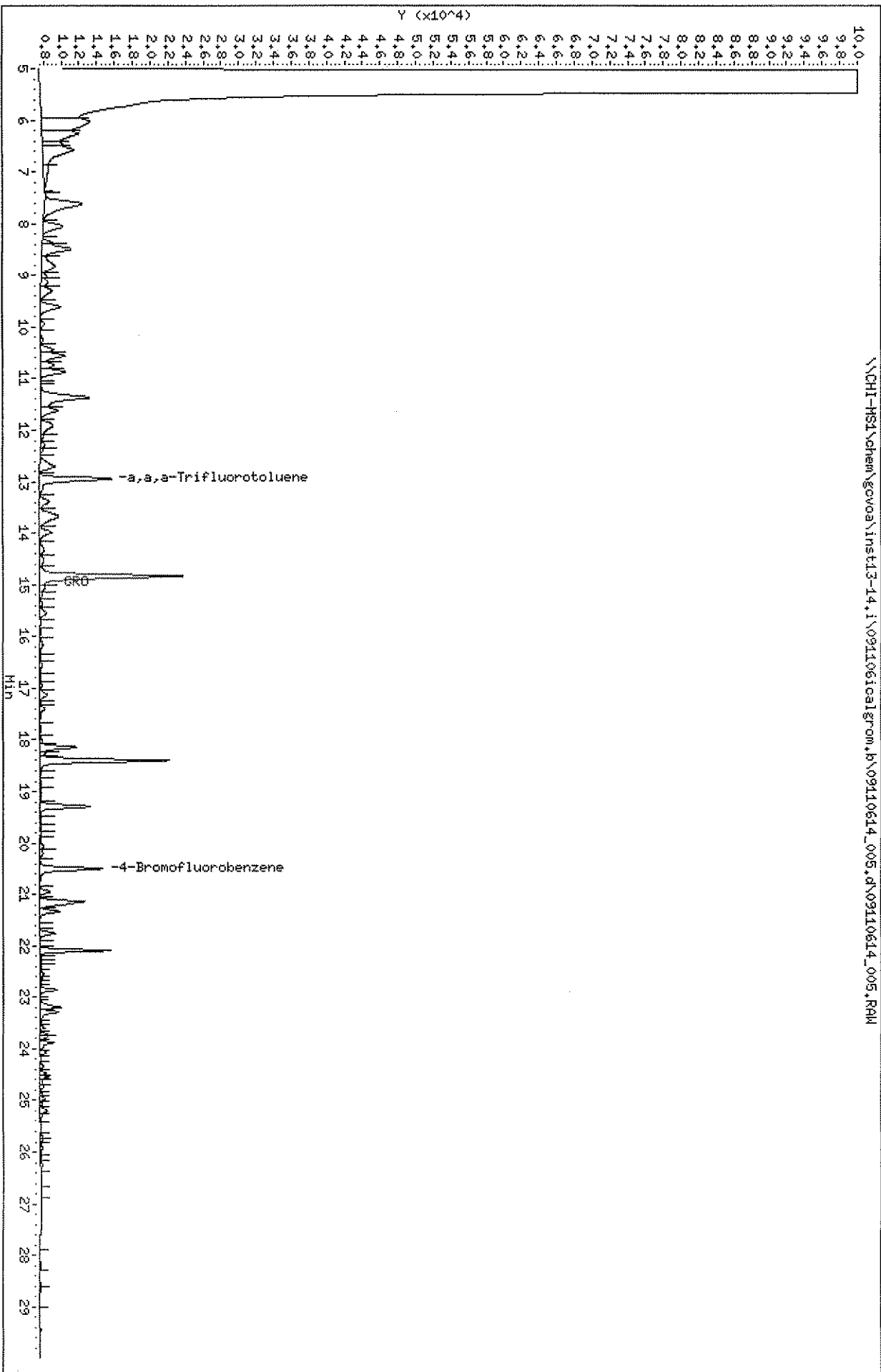
(b) (6)

QC Flag Legend

a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

Data File: \\CHI-HS1\chem\gvoa\inst13-14.i\0911061cal\rom.b\09110614\_005.d  
Date: 11-SEP-2006 09:01  
Client ID: 1c200  
Sample Info: 1c200  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_005.d  
 Lab Smp Id: ic200 Client Smp ID: ic200  
 Inj Date : 11-SEP-2006 09:01  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic200  
 Misc Info : ic200  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:03 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 08:26 Cal File: 09110614\_004.d  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

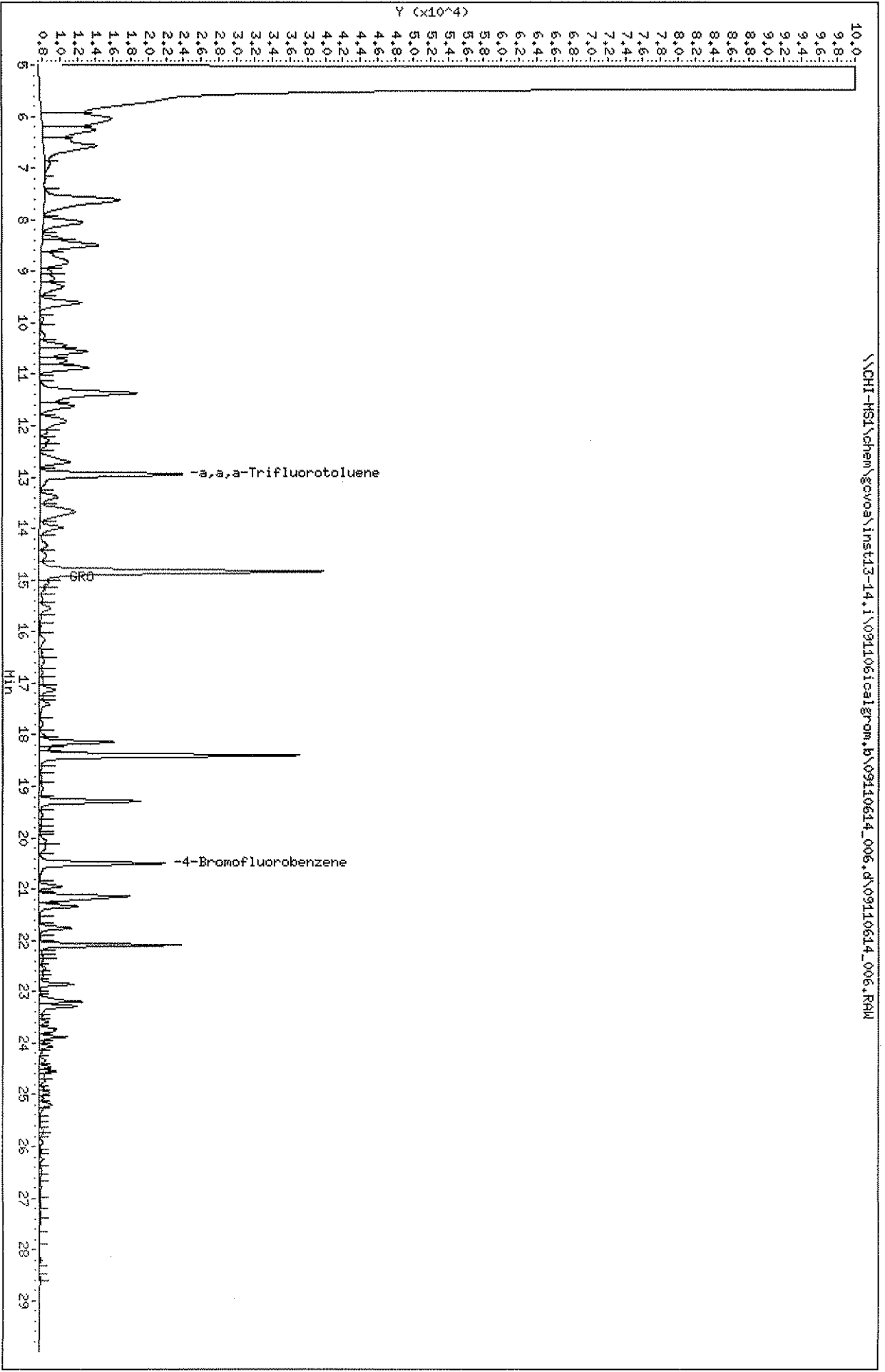
Compounds					AMOUNTS	
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 3 a,a,a-Trifluorotoluene	12.948	12.948	0.000	8118	10.0000	9.885
\$ 5 GRO	7.569-22.338			1439498	200.000	201.64
\$ 9 4-Bromofluorobenzene	20.501	20.502	-0.001	7129	10.0000	9.691

(b) (6)



Data File: \\CHI-MS1\chem\gcvoa\inst13-14.i\09110614\006.d  
Date: 11-SEP-2006 09:36  
Client ID: 10400  
Sample Info: 10400  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_006.d  
 Lab Smp Id: ic400 Client Smp ID: ic400  
 Inj Date : 11-SEP-2006 09:36  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic400  
 Misc Info : ic400  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:03 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 09:01 Cal File: 09110614\_005.d  
 Als bottle: 1 Calibration Sample, Level: 4  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

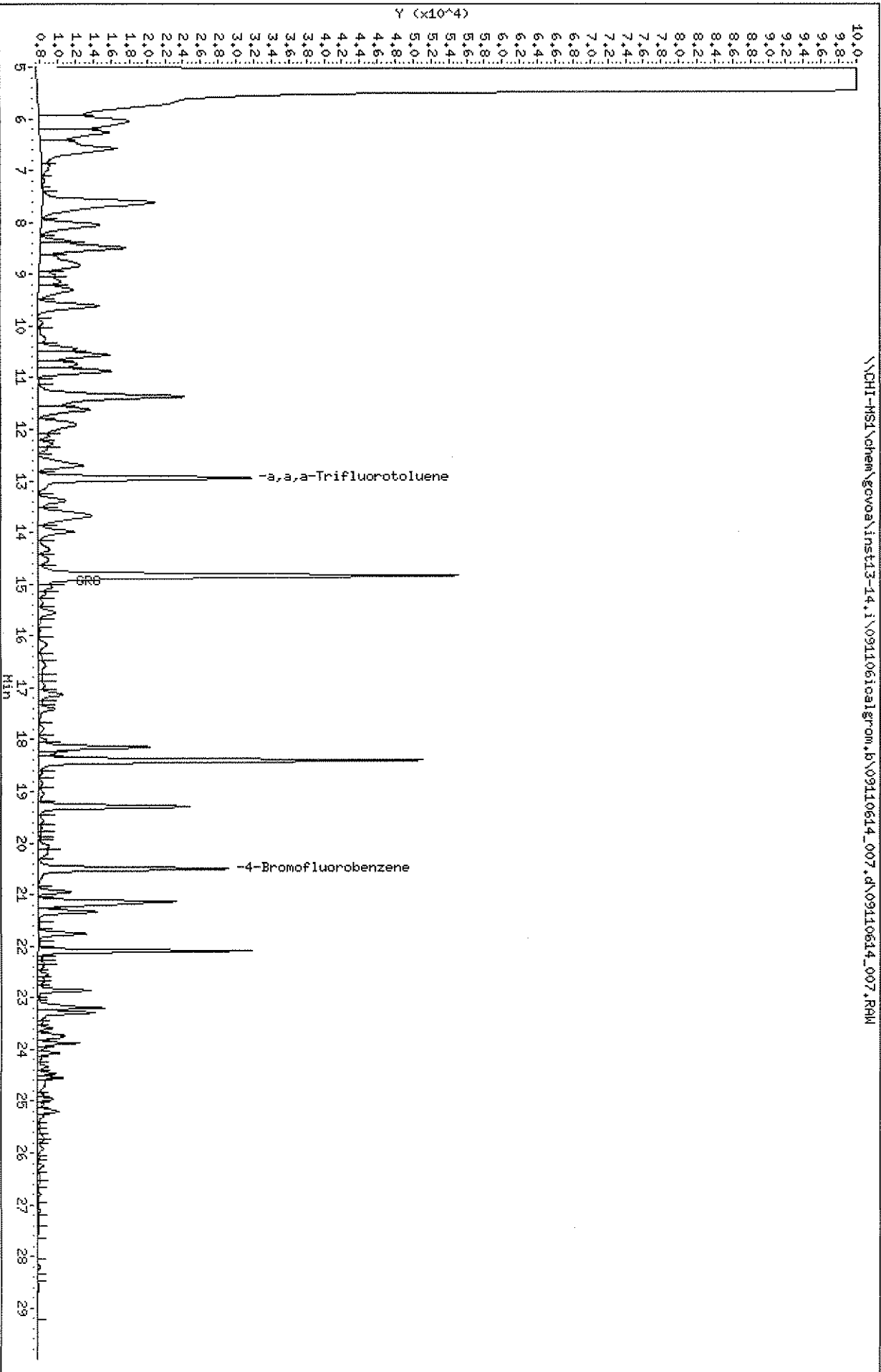
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	16388	20.0000	19.955
\$ 5 GRO	7.569	22.338		2868091	400.000	401.76
\$ 9 4-Bromofluorobenzene	20.500	20.502	-0.002	14483	20.0000	19.687

(b) (6)

Data File: \\CHI-HSL\chem\gova\inst13-14.i\09110614\_007.d  
Date: 11-SEP-2006 10:11  
Client ID: 10600  
Sample Info: 10600  
Column phase: DB-VRX

Instrument: inst13-14.1  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_007.d  
 Lab Smp Id: ic600 Client Smp ID: ic600  
 Inj Date : 11-SEP-2006 10:11  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic600  
 Misc Info : ic600  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:03 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 09:36 Cal File: 09110614\_006.d  
 Als bottle: 1 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

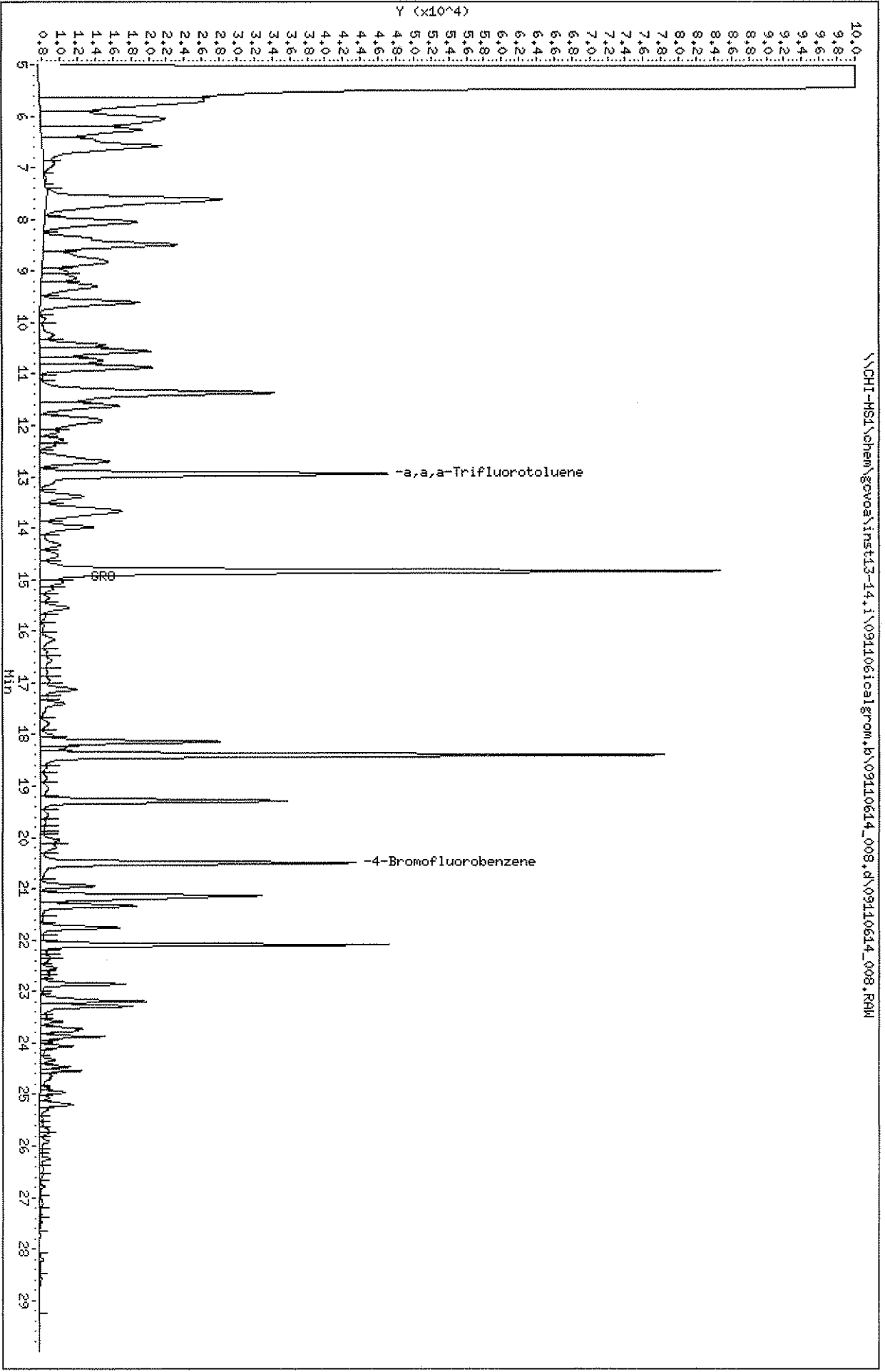
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS					CAL-AMT	ON-COL
	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)	
\$ 3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	24198	30.0000	29.466	
\$ 5 GRO	7.569	22.338		4282317	600.000	599.86	
\$ 9 4-Bromofluorobenzene	20.500	20.502	-0.002	21601	30.0000	29.363	

(b) (6)

Data File: \\CHI-HS1\chem\gvooa\inst13-14.1\0911061cal\grom.b\09110614\_008.d  
Date: 11-SEP-2006 10:45  
Client ID: 1c1000  
Sample Info: 1c1000  
Column phase: DB-VRX

Instrument: inst13-14.1  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_008.d  
 Lab Smp Id: ic1000 Client Smp ID: ic1000  
 Inj Date : 11-SEP-2006 10:45  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ic1000  
 Misc Info : ic1000  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:03 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:11 Cal File: 09110614\_007.d  
 Als bottle: 1 Calibration Sample, Level: 6  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	39719	50.0000	48.365
\$ 5 GRO	7.569	22.338		6835811	1000.00	957.55
\$ 9 4-Bromofluorobenzene	20.500	20.502	-0.002	35874	50.0000	48.764

(b) (6)

STL Chicago

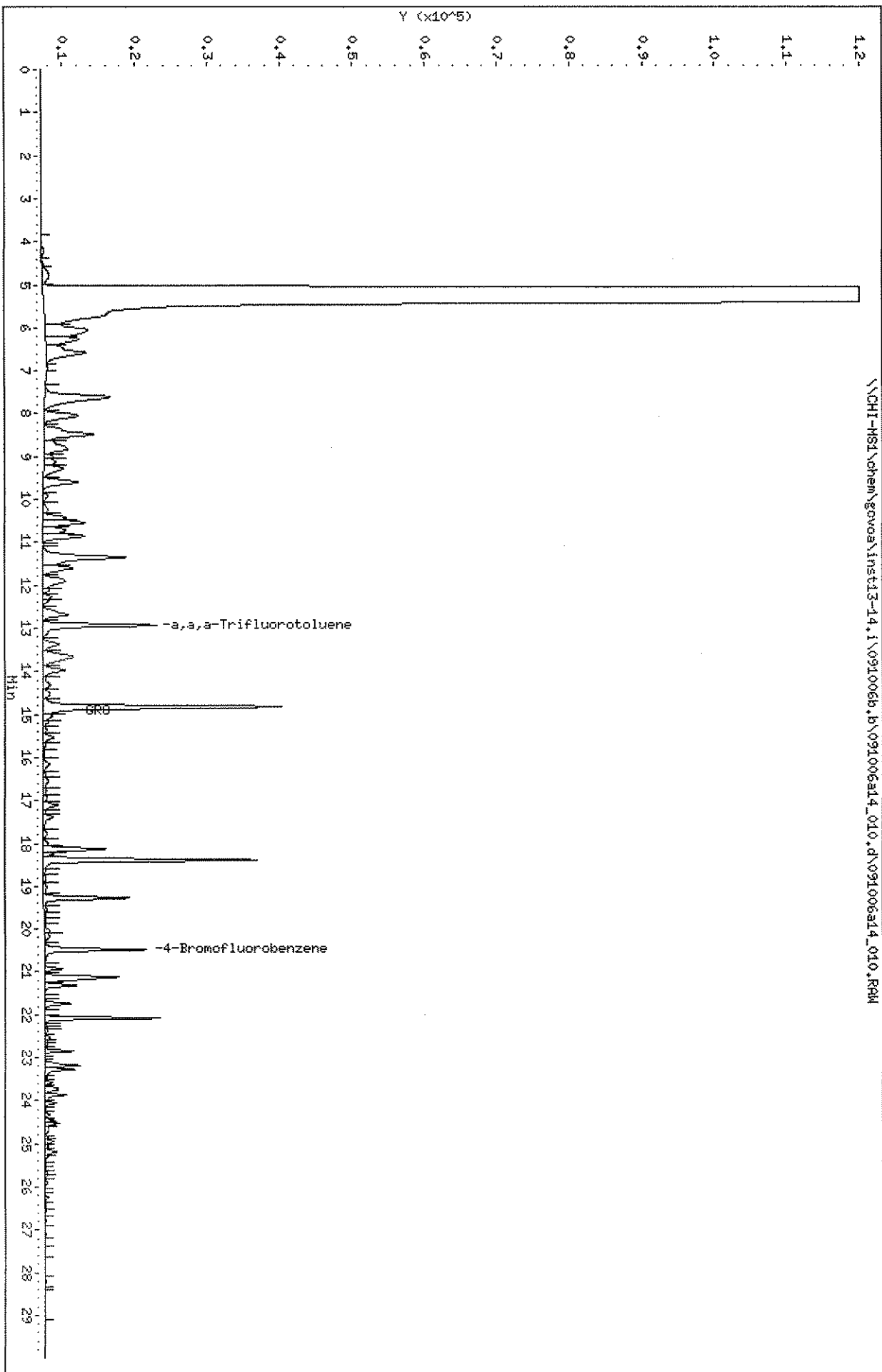
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: inst13-14.i Injection Date: 10-SEP-2006 17:11  
Lab File ID: 091006a14\_010.d Init. Cal. Date(s): 10-SEP-2006 10-SEP-2006  
Analysis Type: SOIL Init. Cal. Times: 13:06 16:01  
Lab Sample ID: ccv Quant Type: ESTD  
Method: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m

COMPOUND	RRF / AMOUNT	RF20	MIN	MAX	CURVE TYPE	
			RRF	%D / %DRIFT		
\$ 2 a,a,a-Trifluorotoluene	807	787	0.010	-2.52712	15.00000	Averaged
S 3 GRO	7556	7437	0.010	-1.56890	15.00000	Averaged
\$ 4 4-Bromofluorobenzene	721	709	0.010	-1.68718	15.00000	Averaged

Data File: \\CHI-HSI\chem\gvoa\inst13-14.i\091006b.b\091006a14\_010.d  
Date: 10-SEP-2006 17:11  
Client ID: cov  
Sample Info: cov  
Column Phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53





STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_010.d  
 Lab Smp Id: ccv Client Smp ID: ccv  
 Inj Date : 10-SEP-2006 17:11  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ccv  
 Misc Info : ccv  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weighth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 2 a,a,a-Trifluorotoluene	12.932	12.940	-0.008	15730	20.0000	19.494
\$ 3 GRO	7.504	22.318		2974928	400.000	393.72
\$ 4 4-Bromofluorobenzene	20.484	20.488	-0.004	14174	20.0000	19.662

(b) (6)

STL Chicago

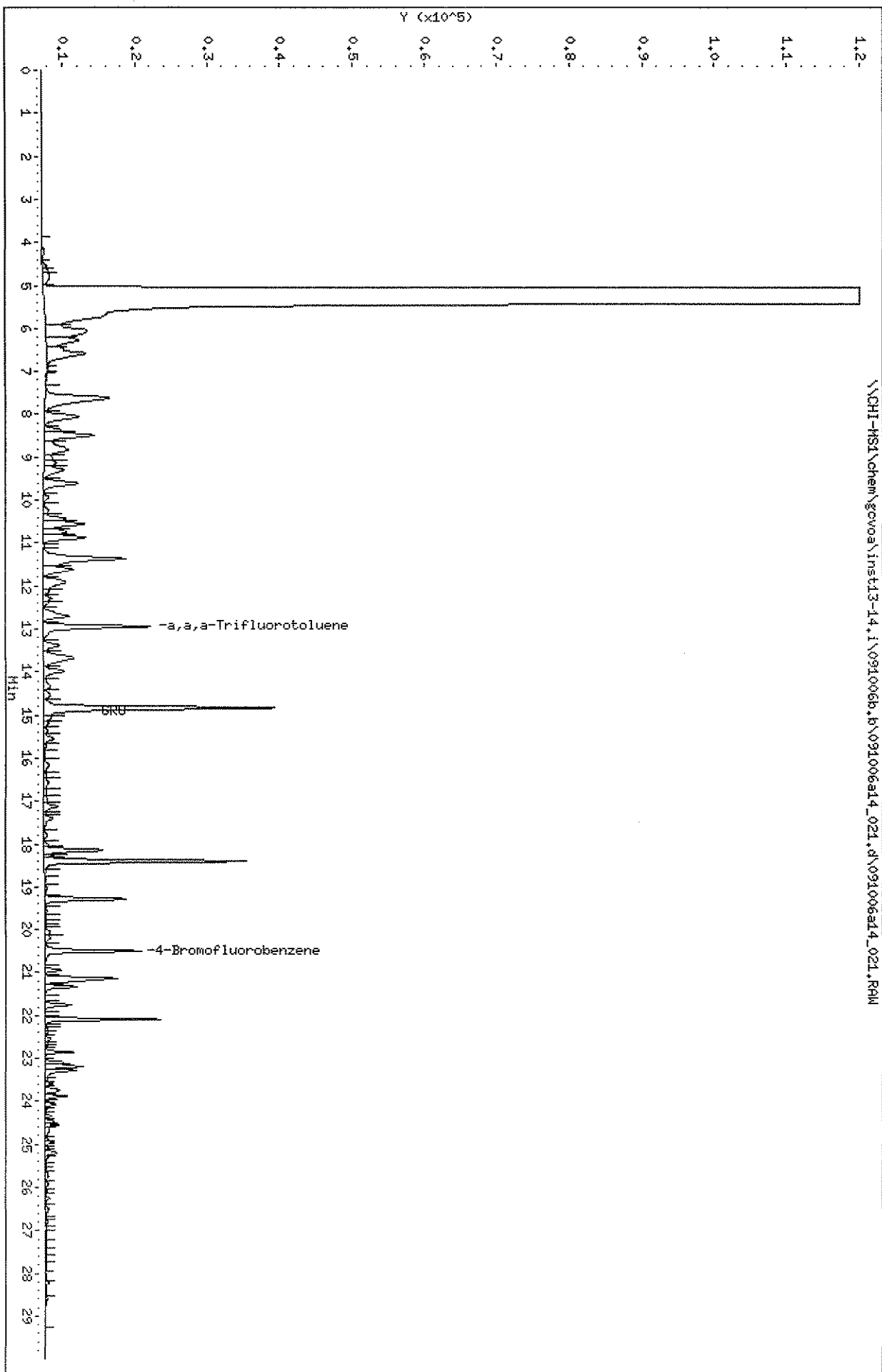
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: inst13-14.i Injection Date: 10-SEP-2006 23:34  
Lab File ID: 091006a14\_021.d Init. Cal. Date(s): 10-SEP-2006 10-SEP-2006  
Analysis Type: SOIL Init. Cal. Times: 13:06 16:01  
Lab Sample ID: ccv Quant Type: ESTD  
Method: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m

COMPOUND	RRF / AMOUNT	RF20	MIN	MAX	CURVE TYPE
			RRF %D / %DRIFT	%D / %DRIFT	
\$ 2 a,a,a-Trifluorotoluene	807	742	0.010 -8.00494	15.00000	Averaged
s 3 GRO	7556	7223	0.010 -4.40639	15.00000	Averaged
\$ 4 4-Bromofluorobenzene	721	673	0.010 -6.67426	15.00000	Averaged

Data File: \\NCHI-HS1\chem\gcvoa\inst13-14.1\091006b.b\091006a14\_021.d  
Date: 10-SEP-2006 23:34  
Client ID: cov  
Sample Info: cov  
Column Phaset: DB-VRX

Instrument: inst13-14.1  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_021.d  
 Lab Smp Id: ccv Client Smp ID: ccv  
 Inj Date : 10-SEP-2006 23:34  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ccv  
 Misc Info : ccv  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS					
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 2 a,a,a-Trifluorotoluene	12.947	12.940	0.007	14846	20.0000	18.399
\$ 3 GRO	7.504	22.318		2889169	400.000	382.37
\$ 4 4-Bromofluorobenzene	20.498	20.488	0.010	13455	20.0000	18.665

(b) (6)

STL Chicago

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: inst13-14.i Injection Date: 11-SEP-2006 05:23  
Lab File ID: 091006a14\_031.d Init. Cal. Date(s): 10-SEP-2006 10-SEP-2006  
Analysis Type: SOIL Init. Cal. Times: 13:06 16:01  
Lab Sample ID: ccv Quant Type: ESTD  
Method: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\grol4s.m

COMPOUND	RRF / AMOUNT	RF20	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
\$ 2 a,a,a-Trifluorotoluene	807	759	0.010	-5.97244	15.00000	Averaged	
S 3 GRO	7556	7208	0.010	-4.60293	15.00000	Averaged	
\$ 4 4-Bromofluorobenzene	721	693	0.010	-3.80964	15.00000	Averaged	

Data File: \\CHI-HS1\chem\gcvoa\inst13-14,1\091006b,b\091006a14\_031.d  
Date: 11-SEP-2006 05:23

Client ID: gov

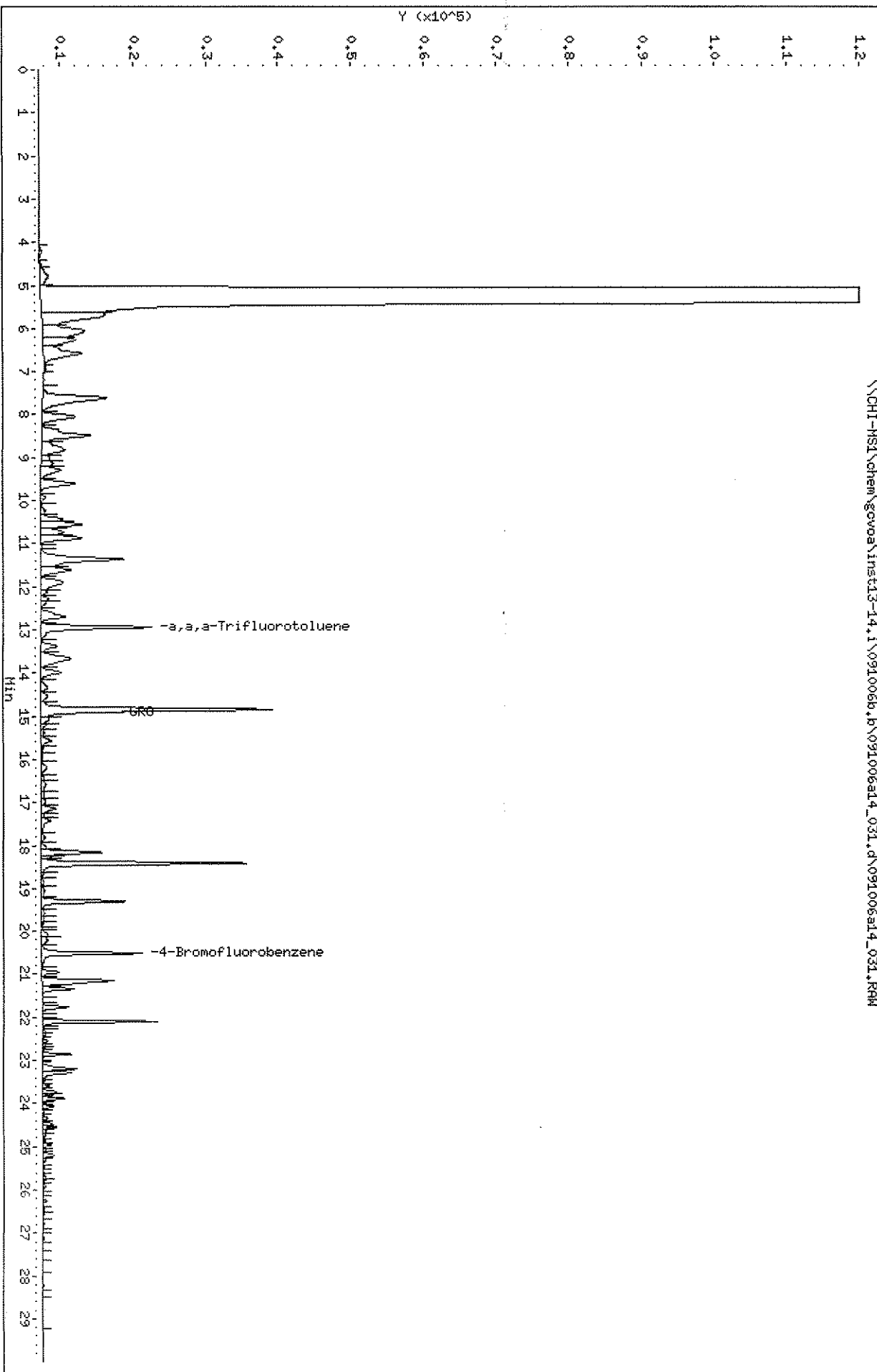
Sample Info: gov

Column phase: DB-VRX

Instrument: inst13-14.i

Operator: esteau

Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_031.d  
 Lab Smp Id: ccv Client Smp ID: ccv  
 Inj Date : 11-SEP-2006 05:23  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ccv  
 Misc Info : ccv  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS					CAL-AMT	ON-COL
	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)	
\$ 2 a,a,a-Trifluorotoluene	12.941	12.940	0.001	15174	20.0000	18.806	
\$ 3 GRO	7.504	22.318		2883229	400.000	381.59	
\$ 4 4-Bromofluorobenzene	20.509	20.488	0.021	13868	20.0000	19.238	

(b) (6)

STL Chicago

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: inst13-14.i Injection Date: 11-SEP-2006 11:55  
 Lab File ID: 09110614\_010.d Init. Cal. Date(s): 11-SEP-2006 11-SEP-2006  
 Analysis Type: SOIL Init. Cal. Times: 07:51 10:45  
 Lab Sample ID: ccv Quant Type: ESTD  
 Method: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m

COMPOUND	RRF / AMOUNT	RF40	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
\$ 3 a,a,a-Trifluorotoluene	821	809	0.010	-1.45270	15.00000		Averaged
S 5 GRO	7139	6978	0.010	-2.25186	15.00000		Averaged
\$ 9 4-Bromofluorobenzene	736	732	0.010	-0.48399	15.00000		Averaged



Data File: \\CHI-HSL\chem\gcvas\inst13-14.i\091106a,b\09110614\_010.d

Date: 11-SEP-2006 11:55

Client ID: cov

Sample Info: cov

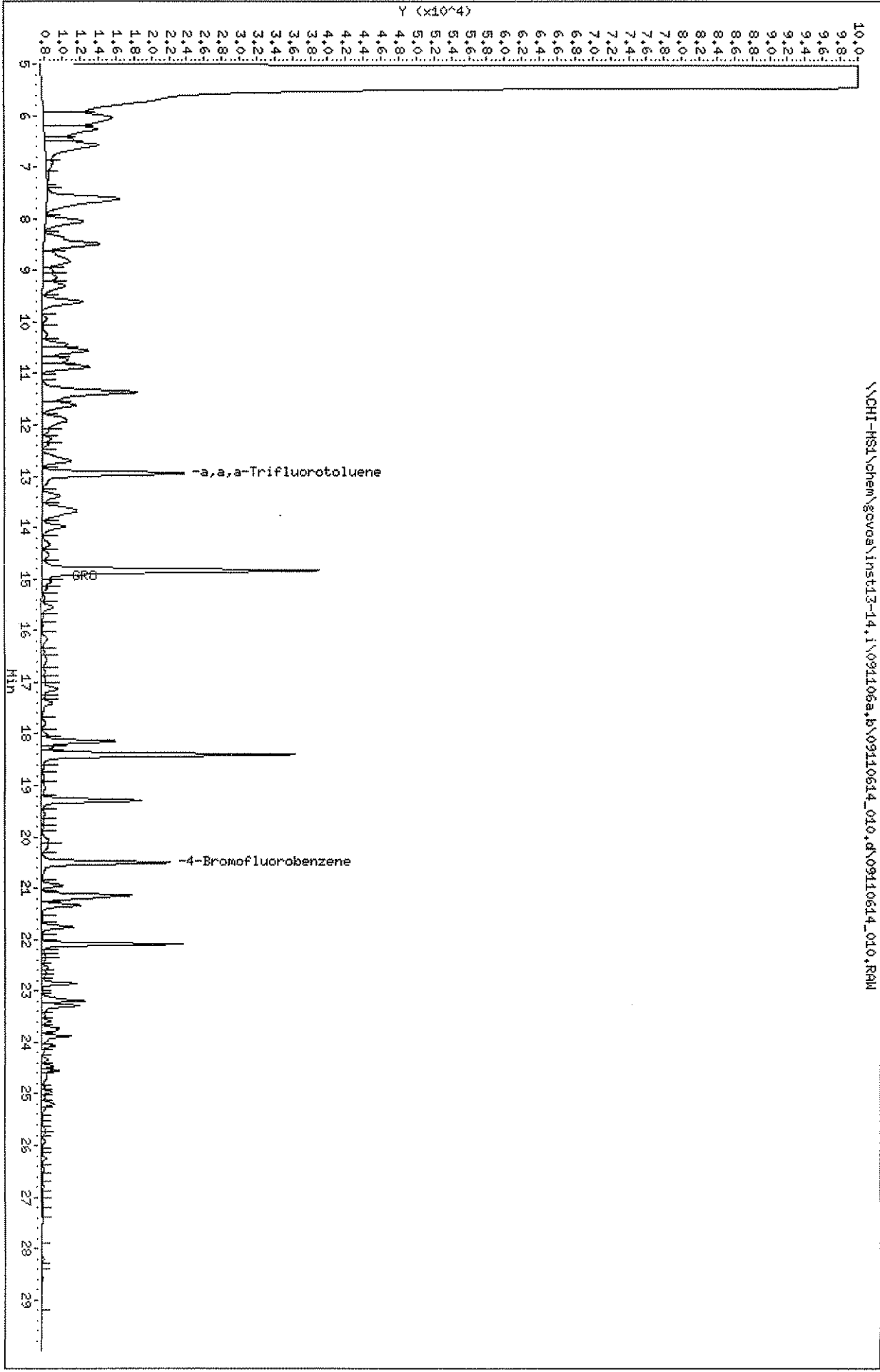
Column phase: DB-WRX

Instrument: inst13-14.i

Operator: estesw

Column diameter: 0.53

\\CHI-HSL\chem\gcvas\inst13-14.i\091106a,b\09110614\_010.d\09110614\_010.RAW



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_010.d  
 Lab Smp Id: ccv Client Smp ID: ccv  
 Inj Date : 11-SEP-2006 11:55  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ccv  
 Misc Info : ccv  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:14 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS					CAL-AMT	ON-COL
	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)	
\$ 3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	16186	20.0000	19.709	
S 5 GRO	7.569-22.338			2791231	400.000	390.99	
\$ 9 4-Bromofluorobenzene	20.500	20.502	-0.002	14642	20.0000	19.903	

(b) (6)

STL Chicago

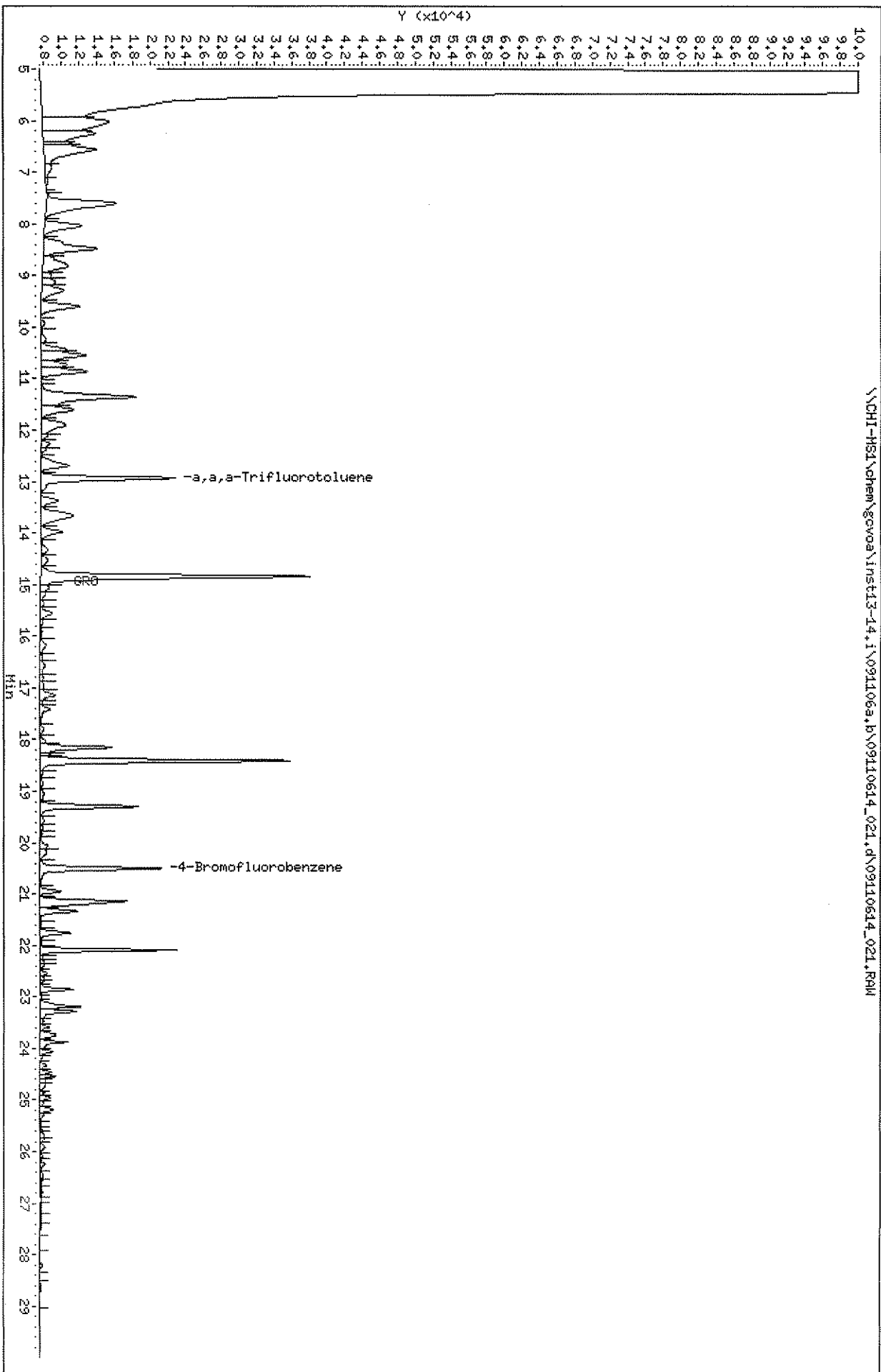
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: inst13-14.i Injection Date: 11-SEP-2006 18:18  
 Lab File ID: 09110614\_021.d Init. Cal. Date(s): 11-SEP-2006 11-SEP-2006  
 Analysis Type: SOIL Init. Cal. Times: 07:51 10:45  
 Lab Sample ID: ccv Quant Type: ESTD  
 Method: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m

COMPOUND	RRF / AMOUNT	RF40	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
\$ 3 a,a,a-Trifluorotoluene	821	765	0.010	-6.90184	15.00000		Averaged
s 5 GRO	7139	6796	0.010	-4.80441	15.00000		Averaged
\$ 9 4-Bromofluorobenzene	736	695	0.010	-5.54067	15.00000		Averaged

Data File: \\CHI-HS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_021.d  
Date: 11-SEP-2006 18:18  
Client ID: ccv  
Sample Info: ccv  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_021.d  
 Lab Smp Id: ccv Client Smp ID: ccv  
 Inj Date : 11-SEP-2006 18:18  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ccv  
 Misc Info : ccv  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:14 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds					AMOUNTS	
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
\$ 3 a,a,a-Trifluorotoluene	12.936	12.948	-0.012	15291	20.0000	18.620
\$ 5 GRO	7.569	22.338		2718342	400.000	380.78
\$ 9 4-Bromofluorobenzene	20.502	20.502	0.000	13898	20.0000	18.892

(b) (6)

# QUALITY CONTROL DATA

QUALITY CONTROL RESULTS

Job Number.: 248531

Report Date.: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
---------	-------------	------------	--------	-----------------	------	------

Test Method.....: 8015B MGRO

Equipment Code.....: INST1314

Analyst....: wre

Method Description.: TPH - Gasoline Range Organics (GRO)

Batch.....: 188924

MB	Method Blank		188923-001		09/10/2006	1746
----	--------------	--	------------	--	------------	------

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Gasoline Range Organics (GRO), Solid	ug/Kg	5.400	U					

Data File: \\CHI-HS1\chem\gcvoa\inst13-14, i\091006b, b\091006a14\_011.d

Date: 10-SEP-2006 17:46

Client ID: 188923-1MB

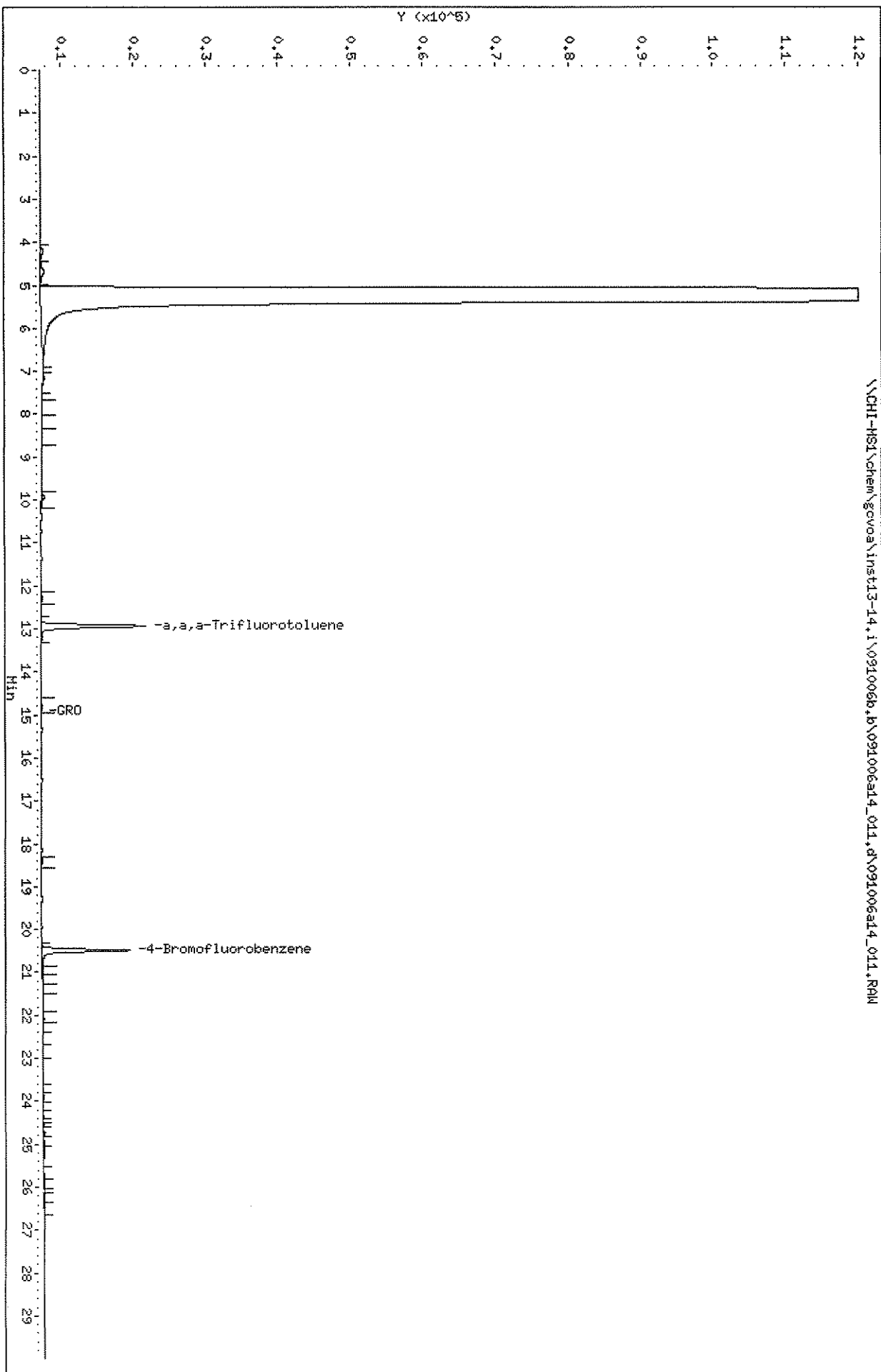
Sample Info: mb

Instrument: inst13-14, i

Operator: esteew

Column diameter: 0.53

Column phase: DB-VRX





STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_011.d  
Lab Smp Id: 188923-1MB Client Smp ID: 188923-1MB  
Inj Date : 10-SEP-2006 17:46  
Operator : estesw Inst ID: inst13-14.i  
Smp Info : mb  
Misc Info : mb  
Comment :  
Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
Als bottle: 1 QC Sample: BLANK  
Dil Factor: 1.00000  
Integrator: HP Genie Compound Sublist: GRO.sub  
Target Version: 4.14  
Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.936	12.940	-0.004	14601	18.0954	18.095
\$ 3 GRO	Compound Not Detected.					
\$ 4 4-Bromofluorobenzene	20.485	20.488	-0.003	12245	16.9866	16.987

(b) (6)

QUALITY CONTROL RESULTS

Job Number.: 248531

Report Date.: 09/13/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MGRO

Equipment Code.....: INST1314

Analyst...: wre

Method Description.: TPH - Gasoline Range Organics (GRO)

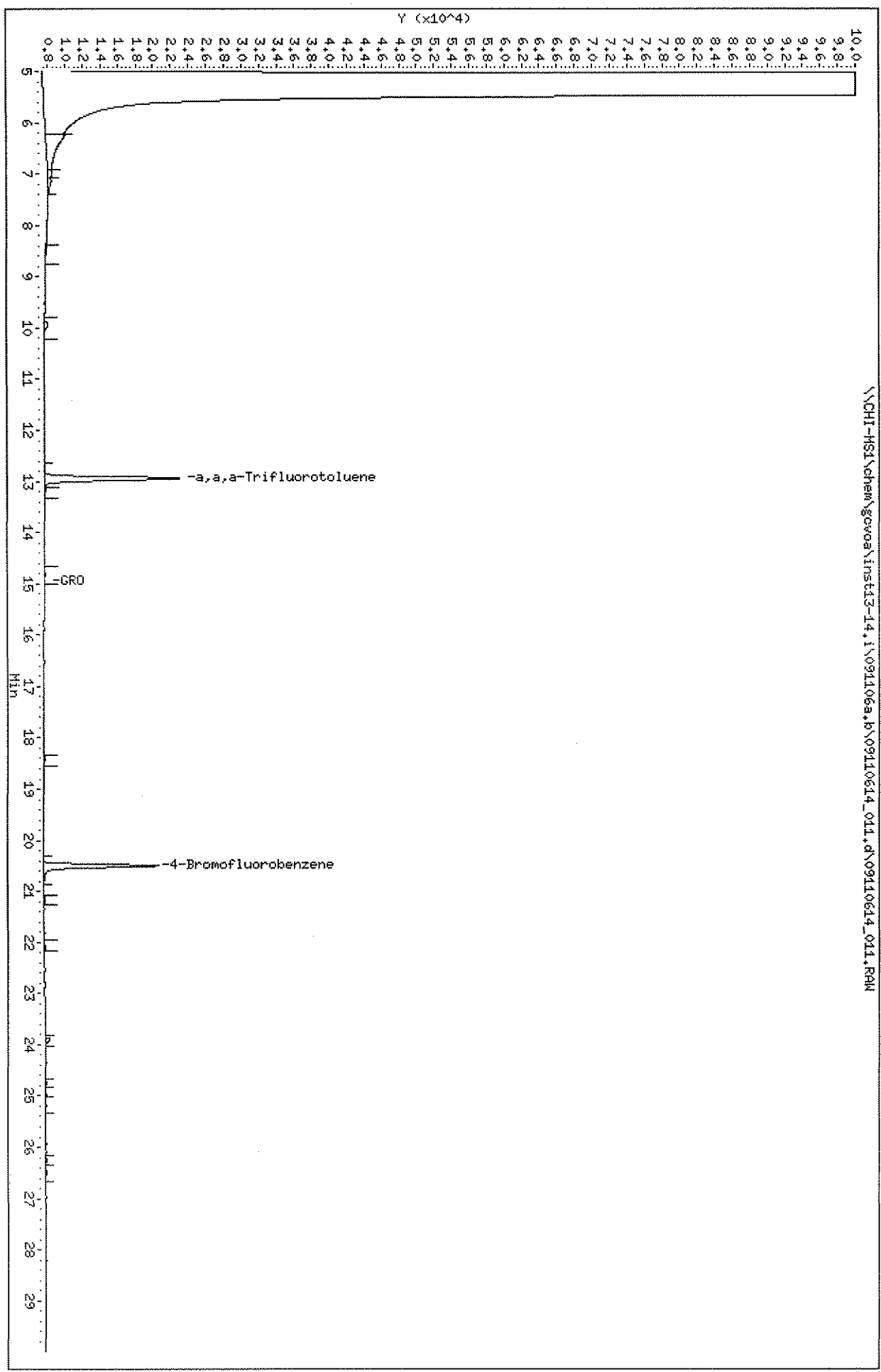
Batch.....: 189016

MB	Method Blank			189015-001		09/11/2006	1230
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Gasoline Range Organics (GRO), High/Me	ug/Kg	220.000	U					

Data File: \\CHI-HS1\chem\gvoas\inst13-14.i\091106a.b\09110614\_011.d  
Date: 11-SEP-2006 12:30  
Client ID: 189015-4MB  
Sample Info: mb  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_011.d  
 Lab Smp Id: 189015-1MB Client Smp ID: 189015-1MB  
 Inj Date : 11-SEP-2006 12:30  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : mb  
 Misc Info : mb  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:14 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

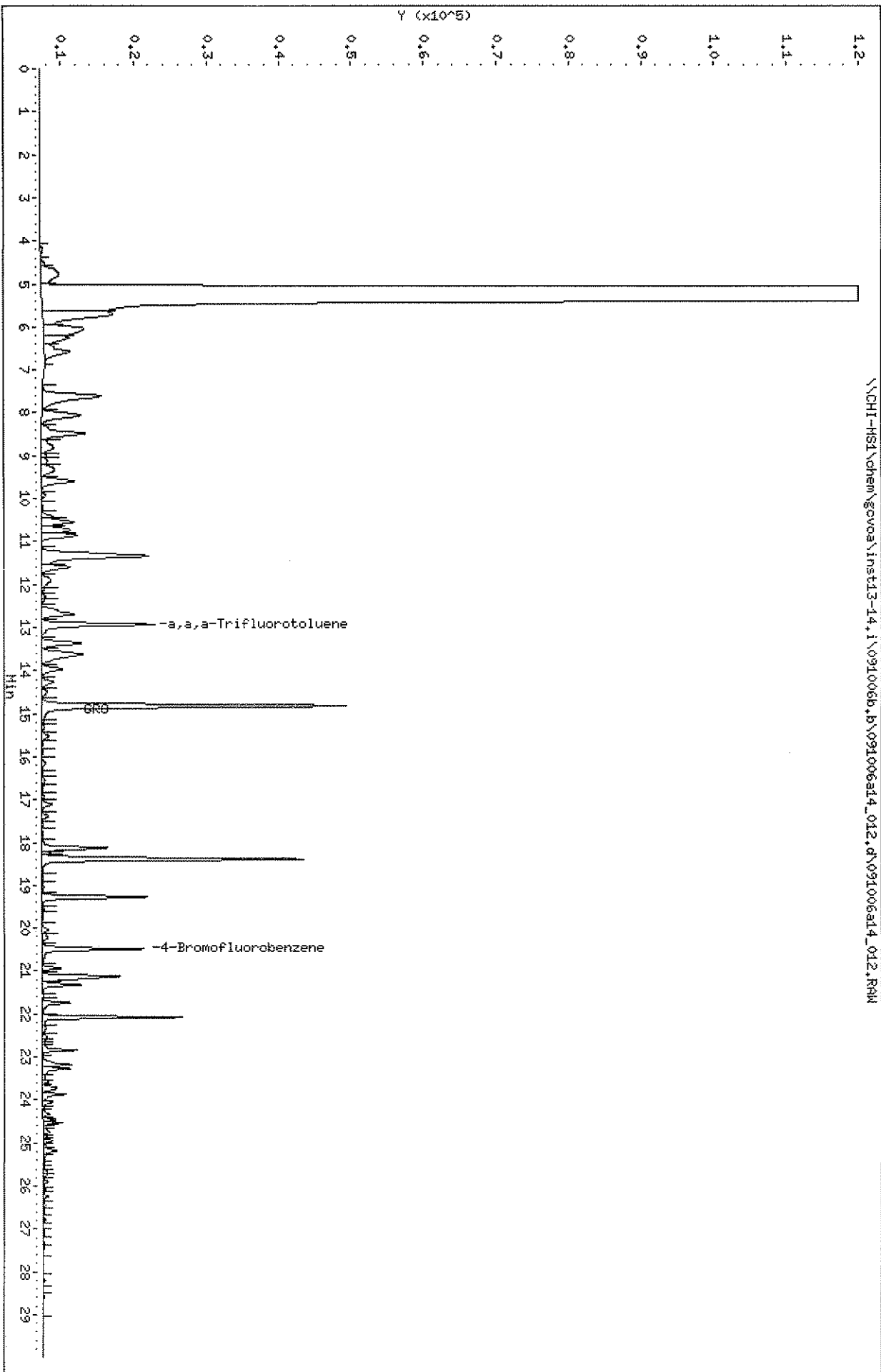
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 3 a,a,a-Trifluorotoluene	12.945	12.948	-0.003	15568	18.9569	18.957
\$ 5 GRO	Compound Not Detected.					
\$ 9 4-Bromofluorobenzene	20.499	20.502	-0.003	13211	17.9580	17.958

(b) (6)

Data File: \\CHI-HS1\chem\gvoa\inst13-14,1\091006b,b\091006a14\_012.d  
Date: 10-SEP-2006 18:20  
Client ID: 188923-ELCS  
Sample Info: LC5G06110D5A  
Column phase: DB-VRX

Instrument: inst13-14.1  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_012.d  
 Lab Smp Id: 188923-2LCS Client Smp ID: 188923-2LCS  
 Inj Date : 10-SEP-2006 18:20  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : LCSG06I10DSA  
 Misc Info : lcs  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m  
 Meth Date : 13-Sep-2006 05:22 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

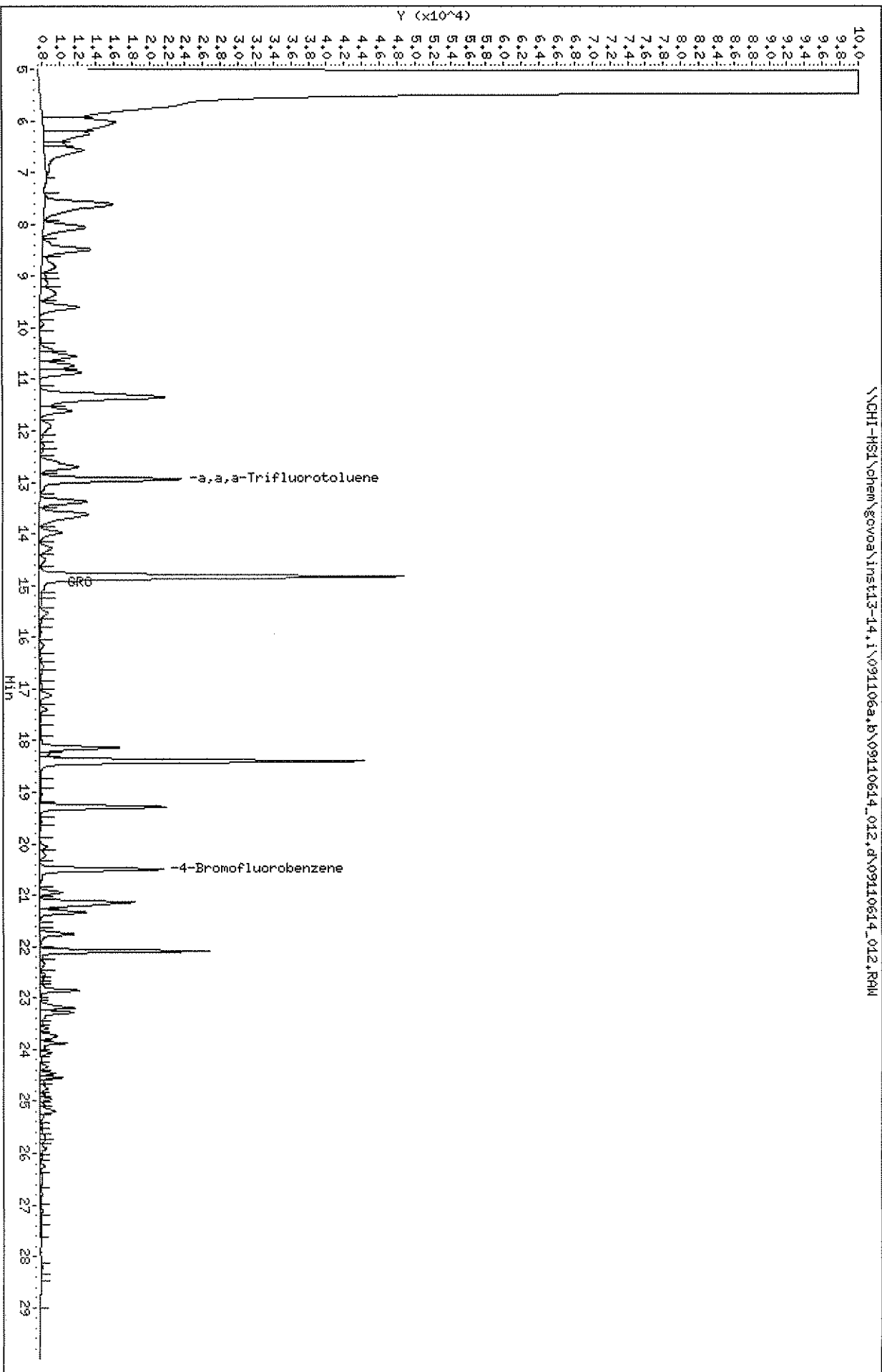
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.933	12.940	-0.007	15527	19.2430	19.243
\$ 3 GRO	7.504	22.318		3009164	398.255	398.26
\$ 4 4-Bromofluorobenzene	20.486	20.488	-0.002	13988	19.4045	19.404

(b) (6)

Data File: \\CHI-HSL\chem\gowoa\inst13-14,1\091106a,b\09110614\_012.d  
Date : 11-SEP-2006 13:05  
Client ID: 189015-ZLCS  
Sample Info: LCSC06111D5A  
Column phase: DB-VRX

Instrument: inst13-14,1  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_012.d  
 Lab Smp Id: 189015-2LCS Client Smp ID: 189015-2LCS  
 Inj Date : 11-SEP-2006 13:05  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : LCSG06I11DSA  
 Misc Info : lcs  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:50 estesw Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1 QC Sample: LCS  
 Dil Factor: 50.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	50.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

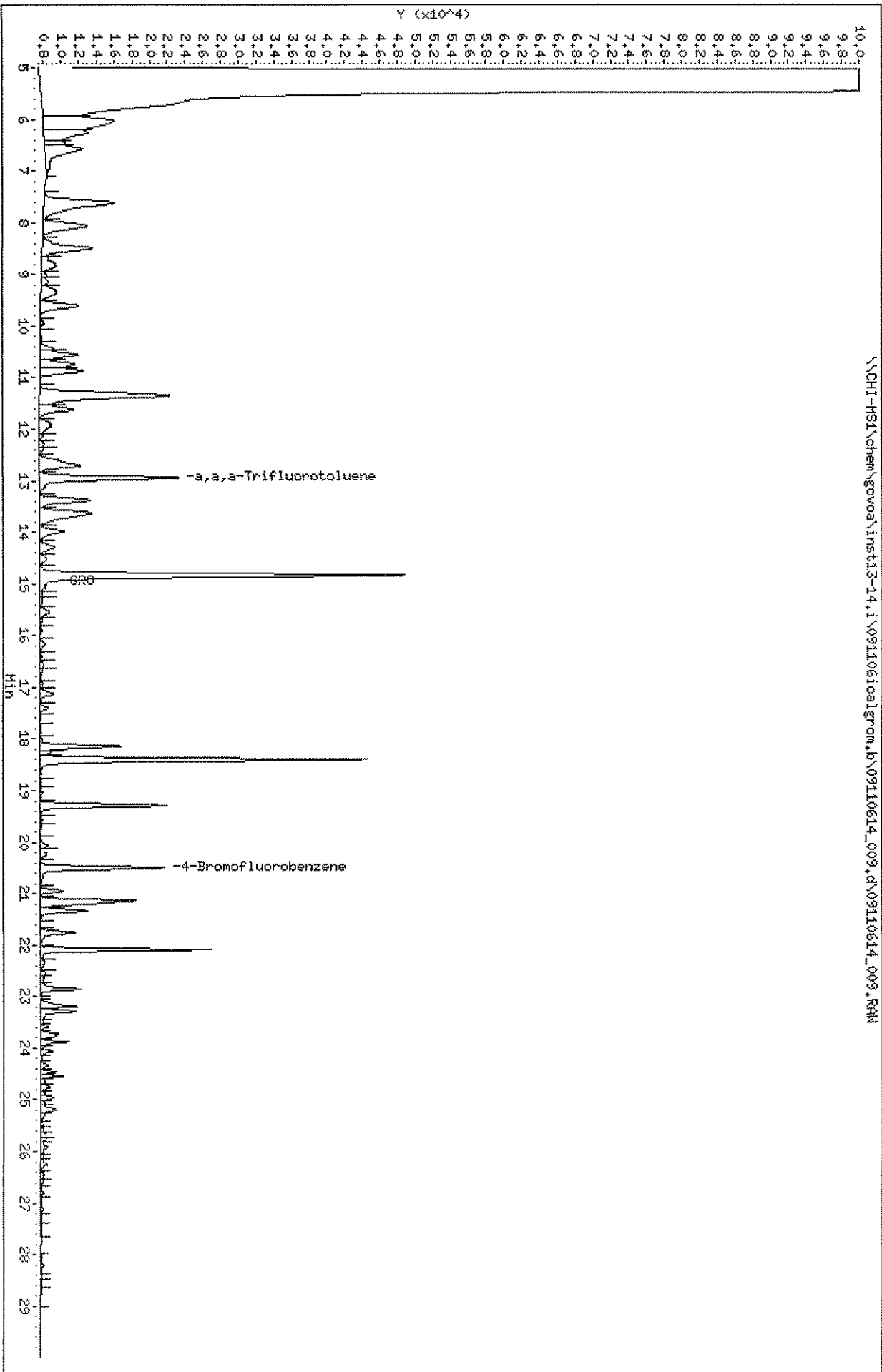
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 3 a,a,a-Trifluorotoluene	12.943	12.948	-0.005	15999	19.4818	19.482
\$ 5 GRO	7.569-22.338			2882930	403.838	20192
\$ 9 4-Bromofluorobenzene	20.497	20.502	-0.005	14162	19.2507	19.251

(b) (6)



Data File: \\CHI-HSI\chem\gvo\inst13-14.i\09110614\009.d  
Date: 11-SEP-2006 11:20  
Client ID: local chk  
Sample Info: local chk  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_009.d  
 Lab Smp Id: ical chk Client Smp ID: ical chk  
 Inj Date : 11-SEP-2006 11:20  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ical chk  
 Misc Info : ical chk  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:03 inst13-14. Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

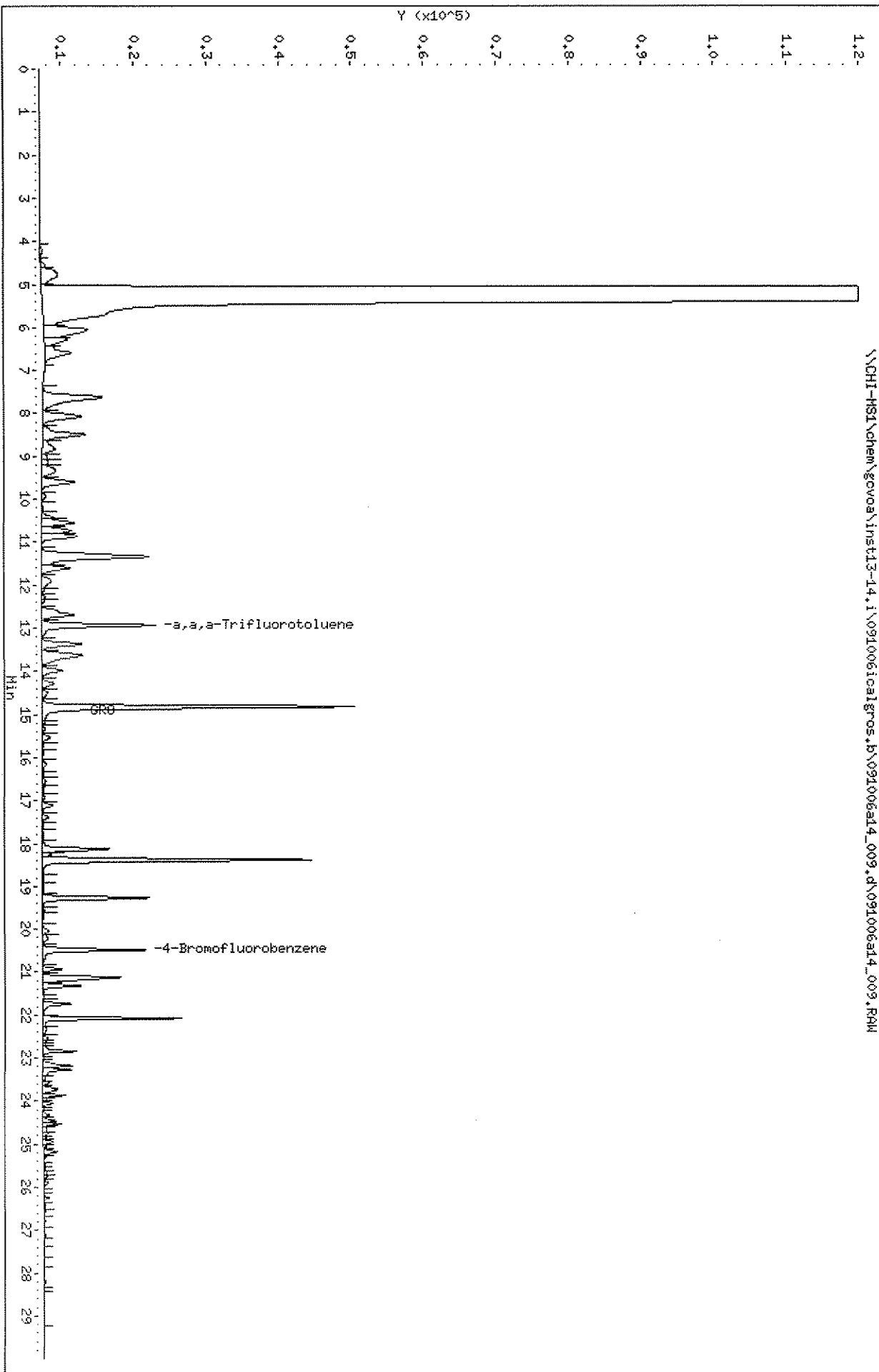
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	15730	19.1542	19.154
\$ 5 GRO	7.569	22.338		2962051	414.921	414.92
\$ 9 4-Bromofluorobenzene	20.500	20.502	-0.002	14122	19.1964	19.196

(b) (6)

Data File: \\CHI-HS1\chem\gova\inst13-14,1\091006ical\gros,b\091006a14\_009.d  
Date: 10-SEP-2006 16:36  
Client ID: ical.chk  
Sample Info: ical.chk  
Column phase: DB-VRX

Instrument: inst13-14.i  
Operator: estasw  
Column diameter: 0.53



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_009.d  
 Lab Smp Id: ical chk Client Smp ID: ical chk  
 Inj Date : 10-SEP-2006 16:36  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : ical chk  
 Misc Info : ical chk  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m  
 Meth Date : 13-Sep-2006 04:58 inst13-14. Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: GRO.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN ( ug/L)	FINAL (ug/Kg)
\$ 2 a,a,a-Trifluorotoluene	12.936	12.940	-0.004	15834	19.6235	19.623
\$ 3 GRO	7.504	22.318		3029717	400.976	400.98
\$ 4 4-Bromofluorobenzene	20.485	20.488	-0.003	14332	19.8817	19.882

(b) (6)

STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_001.d  
 Lab Smp Id: rt Client Smp ID: rt  
 Inj Date : 10-SEP-2006 11:57  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : rt  
 Misc Info : rt  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m  
 Meth Date : 13-Sep-2006 04:58 estesw Quant Type: ESTD  
 Cal Date : 10-SEP-2006 16:01 Cal File: 091006a14\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: rt.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS					ON-COLUMN	FINAL
	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)	
1 2-methylpentane	7.623	7.623	0.000	304837		(a)	
\$ 2 a,a,a-Trifluorotoluene	12.953	12.940	0.013	15712	19.4723	19.472	
\$ 4 4-Bromofluorobenzene	20.506	20.488	0.018	13838	19.1965	19.196	
5 1,2,4-trimethylbenzene	22.098	22.098	0.000	255028		(a)	

(b) (6)

QC Flag Legend

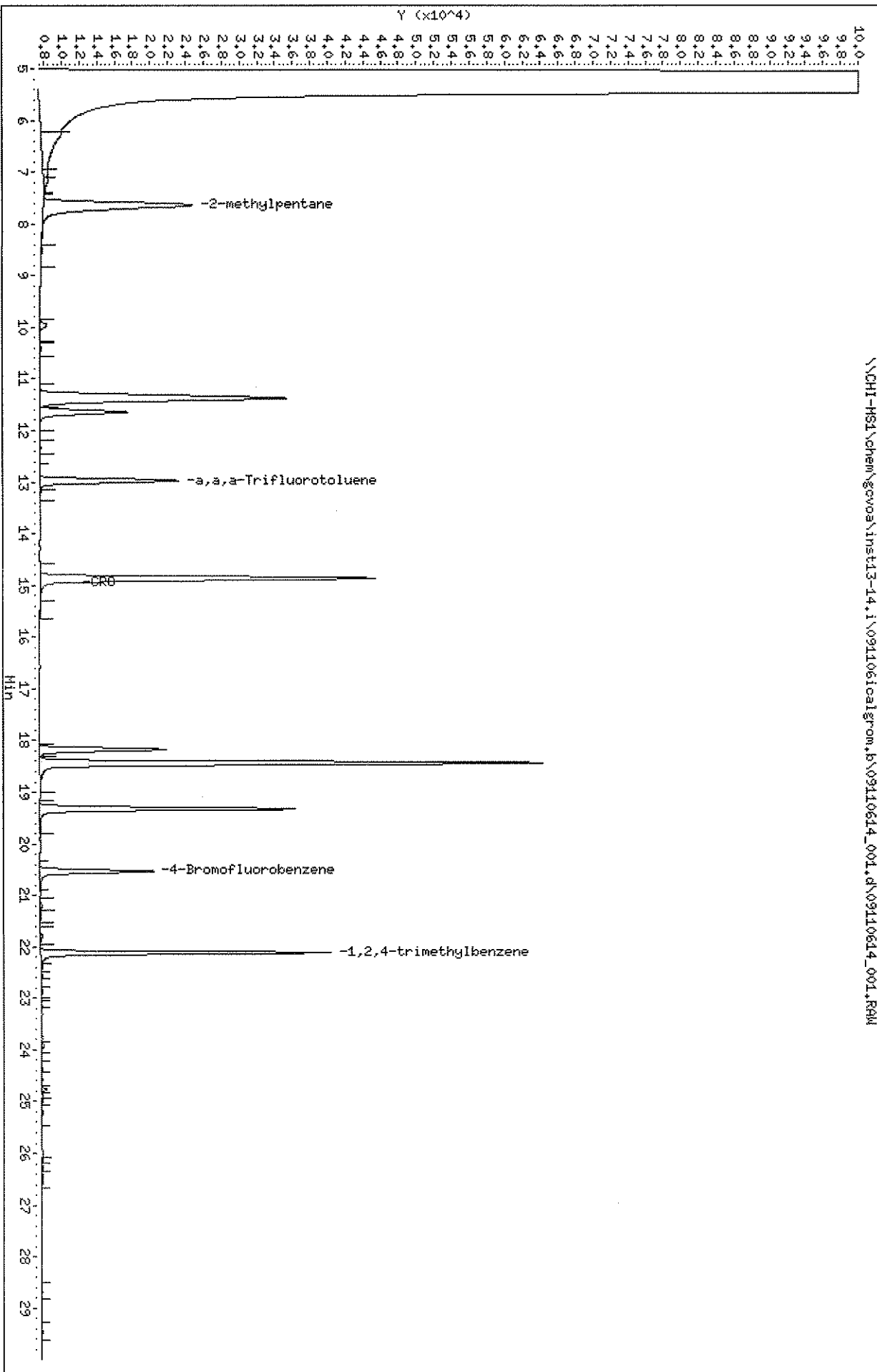
a - Target compound detected but, quantitated amount  
 Below Limit Of Quantitation(BLOQ).

Data File: \\CHI-HS1\chem\gcvoa\inst13-14.i\0911061calgrm.b\09110614\_001.d  
Date: 11-SEP-2006 06:42  
Client ID: rt  
Sample Info: rt

Column phase: DB-WRX

Instrument: inst13-14.i  
Operator: estesw  
Column diameter: 0.53

\\CHI-HS1\chem\gcvoa\inst13-14.i\0911061calgrm.b\09110614\_001.d\09110614\_001.FRM



STL Chicago

Data file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_001.d  
 Lab Smp Id: rt Client Smp ID: rt  
 Inj Date : 11-SEP-2006 06:42  
 Operator : estesw Inst ID: inst13-14.i  
 Smp Info : rt  
 Misc Info : rt  
 Comment :  
 Method : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m  
 Meth Date : 13-Sep-2006 05:02 estesw Quant Type: ESTD  
 Cal Date : 11-SEP-2006 10:45 Cal File: 09110614\_008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP Genie Compound Sublist: rt.sub  
 Target Version: 4.14  
 Processing Host: CHI-BOXFISH

Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds					CONCENTRATIONS	
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
1 2-methylpentane	7.640	7.689	-0.049	302219		
\$ 3 a,a,a-Trifluorotoluene	12.975	12.948	0.027	15770	19.2029	19.203
S 5 GRO	7.569-22.338			1911665	267.784	267.78
\$ 9 4-Bromofluorobenzene	20.530	20.502	0.028	13180	17.9159	17.916
12 1,2,4-trimethylbenzene	22.119	22.118	0.001	247899		

(b) (6)

SAMPLE INFORMATION SUMMARY

BATCH: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b

Data File	Injection Date	Sample Type	Dil Factor	Inst ID	Method	Method Batch
09110614_010.d	11-SEP-2006 11:55	Continuing Cal	1.00	inst13-14	gro14m.m	091106a.b
09110614_011.d	11-SEP-2006 12:30	BLANK	1.00	inst13-14	gro14m.m	091106a.b
09110614_012.d	11-SEP-2006 13:05	LCS	1.00	inst13-14	gro14m.m	091106a.b
09110614_013.d	11-SEP-2006 13:40	Unknown	2500.00	inst13-14	gro14m.m	091106a.b
09110614_014.d	11-SEP-2006 14:14	Unknown	50.00	inst13-14	gro14m.m	091106a.b
09110614_015.d	11-SEP-2006 14:49	MS	50.00	inst13-14	gro14m.m	091106a.b
09110614_016.d	11-SEP-2006 15:24	MSD	50.00	inst13-14	gro14m.m	091106a.b
09110614_017.d	11-SEP-2006 15:59	Unknown	100.00	inst13-14	gro14m.m	091106a.b
09110614_018.d	11-SEP-2006 16:34	Unknown	100.00	inst13-14	gro14m.m	091106a.b
09110614_019.d	11-SEP-2006 17:09	Unknown	200.00	inst13-14	gro14m.m	091106a.b
09110614_020.d	11-SEP-2006 17:44	Unknown	50.00	inst13-14	gro14m.m	091106a.b
09110614_021.d	11-SEP-2006 18:18	Continuing Cal	1.00	inst13-14	gro14m.m	091106a.b

Data File	Matrix	Fraction	Lab Sample ID	Lab Prep Batch	Client Sample ID	Client Sample Group
09110614_010.d	SOLID	VOA	ccv	122105icalgrom	ccv	122105icalgrom
09110614_011.d	SOLID	VOA	189015-1MB	189015	189015-1MB	122105icalgrom
09110614_012.d	SOLID	VOA	189015-2LCS	189015	189015-2LCS	122105icalgrom
09110614_013.d	SOLID	VOA	248580-7	189015	SS-8	248580
09110614_014.d	SOLID	VOA	248580-8	189015	SS-9	248580
09110614_015.d	SOLID	VOA	248580-8MS	189015	SS-9MS	248580
09110614_016.d	SOLID	VOA	248580-8MSD	189015	SS-9MSD	248580
09110614_017.d	SOLID	VOA	248531-17	189015	SB1185-2	248531
09110614_018.d	SOLID	VOA	248531-18	189015	SB1185-5	248531
09110614_019.d	SOLID	VOA	248531-20	189015	SB1195-4	248531
09110614_020.d	SOLID	VOA	248531-22	189015	SB1225-2	248531
09110614_021.d	SOLID	VOA	ccv	122105icalgrom	ccv	122105icalgrom

Data File	Compound Sublist	Spike List File	Sample Ref #	QC Group Ref #	Init Cal Ref #	Batch Ref #
09110614_010.d	GRO.sub	grow.spk	16088	16111	16058	16047
09110614_011.d	GRO.sub	grow.spk	16090	16111	16058	16047
09110614_012.d	GRO.sub	grow.spk	16092	16111	16058	16047
09110614_013.d	GRO.sub	grow.spk	16094	16111	16058	16047
09110614_014.d	GRO.sub	grow.spk	16096	16111	16058	16047
09110614_015.d	GRO.sub	grow.spk	16098	16111	16058	16047
09110614_016.d	GRO.sub	grow.spk	16100	16111	16058	16047
09110614_017.d	GRO.sub	grow.spk	16102	16111	16058	16047
09110614_018.d	GRO.sub	grow.spk	16104	16111	16058	16047
09110614_019.d	GRO.sub	grow.spk	16106	16111	16058	16047
09110614_020.d	GRO.sub	grow.spk	16108	16111	16058	16047
09110614_021.d	GRO.sub	grow.spk	16110	16111	16058	16047



SAMPLE INFORMATION SUMMARY

BATCH: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b

Data File	Injection Date	Sample Type	Dil Factor	Inst ID	Method	Method Batch
091006a14_010.d	10-SEP-2006 17:11	Continuing Cal	1.00	inst13-14	gro14s.m	091006b.b
091006a14_011.d	10-SEP-2006 17:46	BLANK	1.00	inst13-14	gro14s.m	091006b.b
091006a14_012.d	10-SEP-2006 18:20	LCS	1.00	inst13-14	gro14s.m	091006b.b
091006a14_013.d	10-SEP-2006 18:55	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_014.d	10-SEP-2006 19:30	MS	1.00	inst13-14	gro14s.m	091006b.b
091006a14_015.d	10-SEP-2006 20:05	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_016.d	10-SEP-2006 20:40	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_017.d	10-SEP-2006 21:15	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_018.d	10-SEP-2006 21:50	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_019.d	10-SEP-2006 22:24	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_020.d	10-SEP-2006 22:59	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_021.d	10-SEP-2006 23:34	Continuing Cal	1.00	inst13-14	gro14s.m	091006b.b
091006a14_022.d	11-SEP-2006 00:09	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_023.d	11-SEP-2006 00:44	Unknown	1.00	inst13-14	gro14s.m	091006b.b

Data File	Matrix	Fraction	Lab Sample ID	Lab Prep Batch	Client Sample ID	Client Sample Group
091006a14_010.d	SOLID	VOA	ccv	080305	ccv	080305
091006a14_011.d	SOLID	VOA	mb	080305	mb	080305
091006a14_012.d	SOLID	VOA	LCSG06I10DSA	080305	lcs	080305
091006a14_013.d	SOLID	VOA	248580-1	188923	SS-1	248580
091006a14_014.d	SOLID	VOA	248580-1MS	188923	SS-1MS	248580
091006a14_015.d	SOLID	VOA	248580-1MSD	188923	SS-1MSD	248580
091006a14_016.d	SOLID	VOA	248580-2	188923	SS-3	248580
091006a14_017.d	SOLID	VOA	248580-3	188923	SS-4	248580
091006a14_018.d	SOLID	VOA	248580-4	188923	SS-5	248580
091006a14_019.d	SOLID	VOA	248580-5	188923	SS-6	248580
091006a14_020.d	SOLID	VOA	248580-6	188923	SS-7	248580
091006a14_021.d	SOLID	VOA	ccv	080305	ccv	080305
091006a14_022.d	SOLID	VOA	248531-13	080305	248531-13	080305
091006a14_023.d	SOLID	VOA	248531-14	080305	248531-14	080305

Data File	Compound Sublist	Spike List File	Sample Ref #	QC Group Ref #	Init Cal Ref #	Batch Ref #
091006a14_010.d	GRO.sub	grow.spk	15894	15933	15872	12517
091006a14_011.d	GRO.sub	grow.spk	15896	15933	15872	12517
091006a14_012.d	GRO.sub	grow.spk	15898	15933	15872	12517
091006a14_013.d	GRO.sub	grow.spk	15900	15933	15872	12517
091006a14_014.d	GRO.sub	grow.spk	15902	15933	15872	12517
091006a14_015.d	GRO.sub	grow.spk	15904	15933	15872	12517
091006a14_016.d	GRO.sub	grow.spk	15906	15933	15872	12517
091006a14_017.d	GRO.sub	grow.spk	15908	15933	15872	12517
091006a14_018.d	GRO.sub	grow.spk	15910	15933	15872	12517
091006a14_019.d	GRO.sub	grow.spk	15912	15933	15872	12517
091006a14_020.d	GRO.sub	grow.spk	15914	15933	15872	12517
091006a14_021.d	GRO.sub	grow.spk	15916	15933	15872	12517
091006a14_022.d	GRO.sub	grow.spk	15918	15933	15872	12517
091006a14_023.d	GRO.sub	grow.spk	15920	15933	15872	12517

SAMPLE INFORMATION SUMMARY

BATCH: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b

Data File	Injection Date	Sample Type	Dil Factor	Inst ID	Method	Method Batch
091006a14_024.d	11-SEP-2006 01:19	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_025.d	11-SEP-2006 01:54	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_026.d	11-SEP-2006 02:28	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_027.d	11-SEP-2006 03:03	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_028.d	11-SEP-2006 03:38	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_029.d	11-SEP-2006 04:13	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_030.d	11-SEP-2006 04:48	Unknown	1.00	inst13-14	gro14s.m	091006b.b
091006a14_031.d	11-SEP-2006 05:23	Continuing Cal	1.00	inst13-14	gro14s.m	091006b.b

Data File	Matrix	Fraction	Lab Sample ID	Lab Prep Batch	Client Sample ID	Client Sample Group
091006a14_024.d	SOLID	VOA	248531-15	080305	248531-15	080305
091006a14_025.d	SOLID	VOA	248531-16	080305	248531-16	080305
091006a14_026.d	SOLID	VOA	248531-19	080305	248531-19	080305
091006a14_027.d	SOLID	VOA	248531-21	080305	248531-21	080305
091006a14_028.d	SOLID	VOA	248531-23	080305	248531-23	080305
091006a14_029.d	SOLID	VOA	248531-26	080305	248531-26	080305
091006a14_030.d	SOLID	VOA	248531-23	080305	248531-23	080305
091006a14_031.d	SOLID	VOA	ccv	080305	ccv	080305

Data File	Compound Sublist	Spike List File	Sample Ref #	QC Group Ref #	Init Cal Ref #	Batch Ref #
091006a14_024.d	GRO.sub	grow.spk	15922	15933	15872	12517
091006a14_025.d	GRO.sub	grow.spk	15924	15933	15872	12517
091006a14_026.d	GRO.sub	grow.spk	15926	15933	15872	12517
091006a14_027.d	GRO.sub	grow.spk	15928	15933	15872	12517
091006a14_028.d	GRO.sub	grow.spk	15930	15933	15872	12517
091006a14_029.d	GRO.sub	grow.spk	15932	15933	15872	12517
091006a14_030.d	GRO.sub	grow.spk	15998	15933	15872	12517
091006a14_031.d	GRO.sub	grow.spk	16044	15933	15872	12517

Instrument ID# 14

STL Chicago  
Corrective Action/Qualification Report GC VOA

Batch Number: 091006a

Analytical Methods:

SW-846 8021B SW-846 8015B (Mod) (Define)  
SW-846 8015B Other (Define):  
40CFR 602

Surrogate LabNet ID: 60611055A

Spike LabNet ID: 6061071055A

Initial Calibration Criteria

Description of Situation: 0910061a/ GR205

Action Taken:

Demonstration of Control

Continuing Calibration Criteria

Description of Situation:

Action Taken:

Demonstration of Control:

606H3005KA

Method Blank

Description of situation:

Action Taken:

Demonstration of Control:

LCS

Description of Situation:

Action Taken:

Demonstration of Control:

Qualification of Data

Data Affected (Client/Sample #)

Qualification:

Associated samples reanalyzed: Yes No (see below)  
Explanation for no reanalysis/data MUST be qualified and narrated:

Analyst Signature/date

(b) (6)

Reviewer Signature/date

STL Chicago  
GC Volatile Analysis Logbook

Instrument ID# 14

CHI-22-19-009/B-06/02

Analysis Date / Time	File Name	Job Number	Sample ID	Spurge No.	Sample Wt. / Vol.	Instr. Dil.	pH < 2	Comments (MUST include SRN's)	Analyst Initials
9-10-06	091006a14_011	rt		NA	Smile	NA	NA	20µL 155 + 10µL C06 G30 PFA	
1232	005L	1C-50						2 + 2.5µL 4L 55 + 2.5µL 5P8	
1306	003	1C-50	Cal level 1						
1341	004	1C-100							
1416	005	1C-200							
1451	006	1C-400							
1526	007	1C-600							
1601	008	1C-1000							
1636	009	1calck							
1711	010	ccv							
1746	011	MB							
1820	012	LLS							
1855	013	248580-1							
1932	014								
2005	015								

Analyst Signature/Date: [Signature]

9-11-06 Reviewer Signature/Date: [Signature]

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STL Chicago  
GC Volatile Analysis Logbook

Instrument ID# 14

CHI-22-19-009/B-06/02

Analysis Date / Time	File Name	Job Number	Sample ID	Spurge No.	Sample Wt. / Vol.	Instr. Dil.	pH < 2	Comments (MUST include SRN's)	Analyst Initials
2040	016	2A8580-2		NA	Sample	1	NA	204255	
2115	017								
2150	018								
2224	019								
2259	020								
2334	021	CCV			Sample	NA		* Sample 480-6661107KA	
9-11-06		2A8531-13			Sample	1			
0009	022	2A85 wa 2-10-06			Sample				
0044	023	2A8531-14							
0119	024								
0134	025								
0228	026								
0303	027								
0338	028								
0413	029								
0442	030								

Analyst Signature/Date:

 9-11-06

Reviewer Signature/Date:

 9-11-06

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Instrument ID# 14

STL Chicago  
Corrective Action/Qualification Report GC VOA

Page No. 239  
CHI-22-19-009/B-06/02

Batch Number: 091106

Analytical Methods:

SW-846 8021B SW-846 8015B (Mod) (Define)  
SW-846 8015B Other (Define):  
40CFR 602

Surrogate LabNet ID: GOLD/BSSA

Spike LabNet ID: GOLD 07 WSSA

Initial Calibration Criteria

Description of Situation: 091106 | 121 GPM

Action Taken:

Demonstration of Control:

Continuing Calibration Criteria

Description of Situation: G06H30WKA

Action Taken:

Demonstration of Control:

Method Blank

Description of situation:

Action Taken:

Demonstration of Control:

LCS

Description of Situation:

Action Taken:

Demonstration of Control:

Qualification of Data

Data Affected (Client/Sample #)

Qualification:

Associated samples reanalyzed: Yes No (see below)  
Explanation for no reanalysis/data MUST be qualified and narrated:

Analyst Signature/date



Reviewer: Signature/date

STL Chicago  
GC Volatile Analysis Logbook

Instrument ID# 14

CHI-22-19-009/B/26/02

Analysis Date / Time	File Name	Job Number	Sample ID	Sparge No.	Sample Wt. / Vol	Instr. Dil.	pH < 2	Comments (MUST include SRN's)	Anal. Initial
9-11-06	08110614_001	WT		NA	SMDS	NA	NA	20µL S + 10µL C066930RTA	
0716	052	1C-50						25 + 2.5µL S + 5	
0751	053	1C-50						5 5	
0826	004	1C-100						10 10	
0901	005	1C-200						20 20	
0936	006	1C-400						30 30	
1011	007	1C-600						50 50	
1045	008	1C-1000						20 + 10µL S + 5µL	
1120	009	1cal CHL						+ 20µL Std = C066110CAL	
1155	010	CLV							
1230	011	MPS							
1305	012	CLS						+ 10µL S + 5µL = C066111DSA	
1340	013	248580-7, 2500			SMDS 2µL SA SMDS 100µL SA	1/50			
1414	014								
1449	015							+ 10µL S + 5µL = C066111DSA	

Analyst Signature/Date:



9-12-06

Reviewer Signature/Date:

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STL Chicago  
GC Volatile Analysis Logbook

Instrument ID# 14

CHI-22-19-009/B-06/022

Analysis Date / Time	File Name	Job Number	Sample ID	Spurge No.	Sample Wt. / Vol.	Instr. Dil.	pH < 2	Comments (MUST include SRN's)	Analyst Initials
1524	016	248580-8MSD/50		KA	50mL SA	1/50	NA	24155 + 10mL SPR = 66511DAA	(b) (6)
1559	017	248531-17,100			50mL SA	1/100			
1634	018	18,100			50mL SA	1/200			
1709	019	20,200			50mL SA	1/50			
1744	020	22,500			50mL SA	NA			
1818	021	CLV			50mL SA	NA			
<div style="border: 1px solid black; width: 100%; height: 100%; transform: rotate(45deg); opacity: 0.5;"></div>									

Analyst Signature/Date: [Signature]

9-12-06

Reviewer Signature/Date:

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BGRD Soils

HT 9/20

True

Job Analysis History

rpj:ah  
Surrogate Reagent....:

09/08/2006

137

Method Code.....: 8015G      TPH - Gasoline Range Organics (GRO)  
 Job Number.....: 248531      Customer Job ID...: GSA - SLOP  
 Project Number.: 20006654      GSA - SLOP

Holding Time.....: 14 Day Holding Time  
 Customer.....: SCS Engineers, Inc.  
 Proj. Cat...: FED-MISC      PM...: rcw

Contact.: David Brewer  
 Fax Due Date.:

Job Report Type...: 14qfnd

Sample #	QC	Client Sample ID	Matrix	HT Date	TAI Date	File Name	Dil	Tune name	Action	Analst	Prep Batch	Comments
13	N	SB1155-2	SOIL	09/20/2006	09/21/2006	110604.0258K					188923	BAL
14	N	SB1155-3	SOIL	09/20/2006	09/21/2006	110604.0258K						BAL
15	N	SB1165-4	SOIL	09/20/2006	09/21/2006	110604.0258K						BAL
16	N	SB1175-4	SOIL	09/20/2006	09/21/2006	110604.0258K						BAL
17	N	SB1185-2	SOIL	09/20/2006	09/21/2006	110604.0258K					188915	337.09

COGILID DAA/BSA  
 COGILIN DAA/BSA

Surrogate Reagent....: Method Code.....: 80156 TPH - Gasoline Range Organics (GRO) Holding Time.....: 14 Day Holding Time Job Report Type....: 14qfrd

Job Number.....: 248531 Customer Job ID...: GSA - SLOP Customer.....: SCS Engineers, Inc. Contact.: David Brewer

Project Number.: 20006654 GSA - SLOP Proj. Cat...: FED-MISC PM....: rcw Hardcopy Due Date.: Fax Due Date.:

Sample #	QC	Client Sample ID	Matrix	HT Date	TAT Date	File Name	Dil	Tune name	Action	Analst	Prep Batch	Comments
18	N	SB1185-5	SOTL	09/20/2006	09/21/2006	0911014-018	1/10	S041	Sum		1829123	314.09 <del>25</del> <u>26</u>
							405					
19	N	SB1195-3	SOTL	09/20/2006	09/21/2006	0911014-016	SKR				1829123	244.15
20	N	SB1195-4	SOTL	09/20/2006	09/21/2006	0911014-019	1/10	S041	Sum		1829123	333.67 <del>25</del> <u>26</u>
							405					
21	N	SB1215-3	SOTL	09/20/2006	09/21/2006	0911014-017	SKR				1829123	044
22	N	SB1225-2	SOTL	09/20/2006	09/21/2006	0911014-020	1/10	S041	Sum		1829123	56.47 <del>25</del> <u>26</u>
							405					



% Solids Determination

Report Date: 9/20/06 16:58

Method Code...: SOLIDS	Batch Date...: 09/09/06	QC Code.....: SOLID	Equipment Code..:
Batch Code...: 188899	Batch Time...: 1817	Calc Code.....: %SOL	Import Code.....:
Status.....: RVWD	User Name....: clb	Location Code...: 57222	

SAMPLE:	Grp	Pos	Sample ID	Dilution	%SOLID %	IWGT g	FWGT g	DRYWT g	WETWT g
1	1		S MB		0.0	8.8646	0.0020	1.2714	10.1340
1	2		248531_1_s		92.2	10.1462	9.3527	10.6190	11.4125
1	3		248531_1_s MD_2		92.9	8.7536	8.1320	9.3943	10.0159
1	4		248531_2_s		82.0	9.6814	7.9349	9.2004	10.9469
1	5		248531_3_s		75.9	9.7113	7.3668	8.6319	10.9764
1	6		248531_4_s		83.9	8.9561	7.5166	8.7718	10.2113
1	7		248531_5_s		83.1	9.5853	7.9667	9.2171	10.8357
1	8		248531_6_s		81.4	9.2255	7.5108	8.7572	10.4719
1	9		248531_7_s		82.3	8.9067	7.3322	8.5744	10.1489
1	10		248531_8_s		96.9	9.4472	9.1575	10.4482	10.7379
1	11		248531_9_s		79.2	8.9986	7.1229	8.4110	10.2867
1	12		248531_10_s		88.5	8.7520	7.7495	9.0292	10.0317
1	13		248531_11_s		80.2	8.9708	7.1931	8.4734	10.2511
1	14		248531_12_s		88.4	9.1348	8.0780	9.3525	10.4093
1	15		248531_13_s		85.4	9.2677	7.9130	9.1876	10.5423
1	16		248531_14_s		83.7	9.4887	7.9459	9.2168	10.7596
1	17		248531_15_s		79.9	9.0293	7.2118	8.4762	10.2937
1	18		248531_16_s		78.9	9.0337	7.1246	8.3866	10.2957
1	19		248531_17_s		85.8	9.5717	8.2153	9.4660	10.8224
1	20		248531_18_s		86.8	9.2252	8.0076	9.2559	10.4735
1	21		248531_19_s		78.8	9.2167	7.2665	8.5136	10.4638
1	22		248531_20_s		81.1	9.6211	7.8032	9.0512	10.8691

% Solids Determination

Report Date: 9/20/06 16:58

Method Code...: SOLIDS		Batch Date...: 09/09/06		QC Code.....: SOLID		Equipment Code.:		
Batch Code...: 188899		Batch Time...: 1817		Calc Code.....: %SOL		Import Code....:		
Status.....: RVWD		User Name....: clb		Location Code..: 57222				
SAMPLE:	Grp Pos	Sample ID	Dilution	TARE g	ASHWT g	FASHWT g	%MOIST %	%ASH %
1	1	S MB		1.2694			100.0	
1	2	248531_1_s		1.2663			7.8	
1	3	248531_1_s MD_2		1.2623			7.1	
1	4	248531_2_s		1.2655			18.0	
1	5	248531_3_s		1.2651			24.1	
1	6	248531_4_s		1.2552			16.1	
1	7	248531_5_s		1.2504			16.9	
1	8	248531_6_s		1.2464			18.6	
1	9	248531_7_s		1.2422			17.7	
1	10	248531_8_s		1.2907			3.1	
1	11	248531_9_s		1.2881			20.8	
1	12	248531_10_s		1.2797			11.5	
1	13	248531_11_s		1.2803			19.8	
1	14	248531_12_s		1.2745			11.6	
1	15	248531_13_s		1.2746			14.6	
1	16	248531_14_s		1.2709			16.3	
1	17	248531_15_s		1.2644			20.1	
1	18	248531_16_s		1.2620			21.1	
1	19	248531_17_s		1.2507			14.2	
1	20	248531_18_s		1.2483			13.2	
1	21	248531_19_s		1.2471			21.2	
1	22	248531_20_s		1.2480			18.9	

Report Date: 9/20/06 16:58

% Solids Determination

Method Code...: SOLIDS	Batch Date...: 09/08/06	QC Code.....: SOLID	Equipment Code.:
Batch Code...: 188859	Batch Time...: 1152	Calc Code.....: %SOL	Import Code.....:
Status.....: RVWD	User Name....: lp	Location Code..: 57222	

SAMPLE:	Grp	Pos	Sample ID	Dilution	%SOLID %	IWGT g	FWGT g	DRYWT g	WETWT g
1	1		S MB		0.0	9.8296	0.0022	1.2830	11.1104
1	2		248530_1_s		95.1	9.7580	9.2839	10.5342	11.0083
1	3		248530_2_s		79.7	10.0730	8.0255	9.2968	11.3443
1	4		248530_3_s		88.2	10.1601	8.9588	10.2253	11.4266
1	5		248530_4_s		78.9	10.4117	8.2177	9.5044	11.6984
1	6		248530_4_s MD_5		78.7	10.0764	7.9304	9.2184	11.3644
1	7		248530_5_s		86.6	10.3081	8.9289	10.2047	11.5839
1	8		248530_6_s		76.6	10.1621	7.7869	9.0734	11.4486
1	9		248531_21_s		80.1	10.4477	8.3685	9.6451	11.7243
1	10		248531_22_s		81.9	9.9782	8.1692	9.4539	11.2629
1	11		248531_23_s		77.9	10.3843	8.0876	9.3558	11.6525
1	12		248531_24_s		74.6	10.4547	7.8043	9.0737	11.7241
1	13		248531_25_s		77.4	10.2111	7.9054	9.1956	11.5013
1	14		248531_26_s		79.8	10.5795	8.4474	9.7360	11.8681
1	15		248531_27_s		78.4	10.5580	8.2825	9.5418	11.8173
1	16		248539_1_s		2.5	10.3581	0.2610	1.5178	11.6149
1	17		248545_1_s		76.1	9.9502	7.5688	8.8357	11.2171
1	18		248545_2_s		76.0	10.4624	7.9495	9.2352	11.7481
1	19		248545_3_s		75.4	10.3413	7.7934	9.0550	11.6029
1	20		248545_4_s		77.4	10.1728	7.8788	9.1422	11.4362
1	21		248545_5_s		74.4	10.3159	7.6767	8.9357	11.5749

% Solids Determination

Report Date: 9/20/06 16:58

Method Code...: SOLIDS	Batch Date...: 09/08/06	QC Code.....: SOLID	Equipment Code..:
Batch Code...: 188859	Batch Time...: 1152	Calc Code.....: %SOL	Import Code.....:
Status.....: RVWD	User Name....: lp	Location Code...: 57222	

SAMPLE:	Grp	Pos	Sample ID	Dilution	TARE g	ASHWT g	FASHWT g	%MOIST %	%ASH %
1	1		___S MB		1.2808		-1.2808	100.0	-58218.2
1	2		248530_1_s		1.2503			4.9	
1	3		248530_2_s		1.2713			20.3	
1	4		248530_3_s		1.2665			11.8	
1	5		248530_4_s		1.2867			21.1	
1	6		248530_4_s MD_5		1.2880			21.3	
1	7		248530_5_s		1.2758			13.4	
1	8		248530_6_s		1.2865			23.4	
1	9		248531_21_s		1.2766			19.9	
1	10		248531_22_s		1.2847			18.1	
1	11		248531_23_s		1.2682			22.1	
1	12		248531_24_s		1.2694			25.4	
1	13		248531_25_s		1.2902			22.6	
1	14		248531_26_s		1.2886			20.2	
1	15		248531_27_s		1.2593			21.6	
1	16		248539_1_s		1.2568			97.5	
1	17		248545_1_s		1.2669			23.9	
1	18		248545_2_s		1.2857			24.0	
1	19		248545_3_s		1.2616			24.6	
1	20		248545_4_s		1.2634			22.6	
1	21		248545_5_s		1.2590			25.6	



# SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 248554

Prepared For:

SCS Engineers, Inc.  
10975 El Monte  
Suite 100  
Overland Park, KS 66211

Project: GSA - SLOP

Attention: David Brewer

Date: 09/25/2006

\_\_\_\_\_  
Signature

Name: Richard C. Wright

Title: Project Manager

E-Mail: [rwright@stl-inc.com](mailto:rwright@stl-inc.com)

\_\_\_\_\_  
Date

STL Chicago  
2417 Bond Street  
University Park, IL 60466

PHONE: (708) 534-5200

FAX..: (708) 534-5211

This Report Contains (\_\_\_\_\_) Pages

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S A M P L E I N F O R M A T I O N  
Date: 09/25/2006

Job Number.: 248554	Project Number.....: 20006654
Customer...: SCS Engineers, Inc.	Customer Project ID....: GSA - SLOP
Attn.....: David Brewer	Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
248554-1	SB1265-1	Soil	09/07/2006	07:20	09/08/2006	09:50
248554-2	SB1265-4	Soil	09/07/2006	07:40	09/08/2006	09:50
248554-3	SB1275-4	Soil	09/07/2006	08:00	09/08/2006	09:50
248554-4	SB1285-1	Soil	09/07/2006	09:20	09/08/2006	09:50
248554-5	SB1295-1	Soil	09/07/2006	09:40	09/08/2006	09:50
248554-6	SB1305-1	Soil	09/07/2006	10:50	09/08/2006	09:50
248554-7	SB1305-3	Soil	09/07/2006	11:00	09/08/2006	09:50
248554-8	SB1315-1	Soil	09/07/2006	11:20	09/08/2006	09:50
248554-9	SB1325-2	Soil	09/07/2006	13:20	09/08/2006	09:50
248554-10	SB1335-1	Soil	09/07/2006	15:15	09/08/2006	09:50
248554-11	SB1335-4	Soil	09/07/2006	15:30	09/08/2006	09:50
248554-12	SB1345-1	Soil	09/07/2006	15:50	09/08/2006	09:50
248554-13	SB1345-4	Soil	09/07/2006	16:10	09/08/2006	09:50
248554-14	SB112	Water	09/07/2006	16:20	09/08/2006	09:50
248554-15	SB118	Water	09/07/2006	16:40	09/08/2006	09:50

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1265-1						Laboratory Sample ID: 248554-1						
Date Sampled.....: 09/07/2006						Date Received.....: 09/08/2006						
Time Sampled.....: 07:20						Time Received.....: 09:50						
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		680	2000	100.000	ug/Kg	189789		09/19/06 1507	bjt
	Aroclor 1221, 3541 Solid*	ND	U		560	2000	100.000	ug/Kg	189789		09/19/06 1507	bjt
	Aroclor 1232, 3541 Solid*	ND	U		540	2000	100.000	ug/Kg	189789		09/19/06 1507	bjt
	Aroclor 1242, 3541 Solid*	ND	U		590	2000	100.000	ug/Kg	189789		09/19/06 1507	bjt
	Aroclor 1248, 3541 Solid*	ND	U		440	2000	100.000	ug/Kg	189789		09/19/06 1507	bjt
	Aroclor 1254, 3541 Solid*	ND	U		450	2000	100.000	ug/Kg	189789		09/19/06 1507	bjt
	Aroclor 1260, 3541 Solid*	26000			400	2000	100.000	ug/Kg	189789		09/19/06 1507	bjt
Method	% Solids Determination											
	% Solids, Solid	81.2			0.10	0.10	1	%	189010		09/11/06 1804	clb
	% Moisture, Solid	18.8			0.10	0.10	1	%	189010		09/11/06 1804	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1265-4 Date Sampled.....: 09/07/2006 Time Sampled.....: 07:40 Sample Matrix.....: Soil						Laboratory Sample ID: 248554-2 Date Received.....: 09/08/2006 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.9	21	1.00000	ug/Kg	189789		09/19/06 0155	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.7	21	1.00000	ug/Kg	189789		09/19/06 0155	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.6	21	1.00000	ug/Kg	189789		09/19/06 0155	bjt
	Aroclor 1242, 3541 Solid*	ND	U		6.1	21	1.00000	ug/Kg	189789		09/19/06 0155	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.5	21	1.00000	ug/Kg	189789		09/19/06 0155	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.6	21	1.00000	ug/Kg	189789		09/19/06 0155	bjt
	Aroclor 1260, 3541 Solid*	180			4.1	21	1.00000	ug/Kg	189789		09/19/06 0155	bjt
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	4500			210	520	100.000	mg/Kg	189708		09/21/06 1729	san
Method	% Solids Determination											
	% Solids, Solid	78.6			0.10	0.10	1	%	189010		09/11/06 1811	clb
	% Moisture, Solid	21.4			0.10	0.10	1	%	189010		09/11/06 1811	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1275-4 Date Sampled.....: 09/07/2006 Time Sampled.....: 08:00 Sample Matrix.....: Soil						Laboratory Sample ID: 248554-3 Date Received.....: 09/08/2006 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.7	20	1.00000	ug/Kg	189789		09/19/06 0245	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.5	20	1.00000	ug/Kg	189789		09/19/06 0245	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.4	20	1.00000	ug/Kg	189789		09/19/06 0245	bjt
	Aroclor 1242, 3541 Solid*	ND	U		5.9	20	1.00000	ug/Kg	189789		09/19/06 0245	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.3	20	1.00000	ug/Kg	189789		09/19/06 0245	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.4	20	1.00000	ug/Kg	189789		09/19/06 0245	bjt
	Aroclor 1260, 3541 Solid*	ND	U		4.0	20	1.00000	ug/Kg	189789		09/19/06 0245	bjt
Method	% Solids Determination											
	% Solids, Solid	80.2			0.10	0.10	1	%	189010		09/11/06 1815	clb
	% Moisture, Solid	19.8			0.10	0.10	1	%	189010		09/11/06 1815	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1285-1						Laboratory Sample ID: 248554-4						
Date Sampled.....: 09/07/2006						Date Received.....: 09/08/2006						
Time Sampled.....: 09:20						Time Received.....: 09:50						
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.7	20	1.00000	ug/Kg	189789		09/19/06 0309	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.5	20	1.00000	ug/Kg	189789		09/19/06 0309	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.4	20	1.00000	ug/Kg	189789		09/19/06 0309	bjt
	Aroclor 1242, 3541 Solid*	ND	U		5.9	20	1.00000	ug/Kg	189789		09/19/06 0309	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.3	20	1.00000	ug/Kg	189789		09/19/06 0309	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.4	20	1.00000	ug/Kg	189789		09/19/06 0309	bjt
	Aroclor 1260, 3541 Solid*	ND	U		3.9	20	1.00000	ug/Kg	189789		09/19/06 0309	bjt
Method	% Solids Determination											
	% Solids, Solid	82.6			0.10	0.10	1	%	189010		09/11/06 1818	clb
	% Moisture, Solid	17.4			0.10	0.10	1	%	189010		09/11/06 1818	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1295-1						Laboratory Sample ID: 248554-5						
Date Sampled.....: 09/07/2006						Date Received.....: 09/08/2006						
Time Sampled.....: 09:40						Time Received.....: 09:50						
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.6	20	1.00000	ug/Kg	189789		09/19/06 0359	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.4	20	1.00000	ug/Kg	189789		09/19/06 0359	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.3	20	1.00000	ug/Kg	189789		09/19/06 0359	bjt
	Aroclor 1242, 3541 Solid*	ND	U		5.7	20	1.00000	ug/Kg	189789		09/19/06 0359	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.2	20	1.00000	ug/Kg	189789		09/19/06 0359	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.3	20	1.00000	ug/Kg	189789		09/19/06 0359	bjt
	Aroclor 1260, 3541 Solid*	50			3.9	20	1.00000	ug/Kg	189789		09/19/06 0359	bjt
Method	% Solids Determination											
	% Solids, Solid	82.5			0.10	0.10	1	%	189010		09/11/06 1822	clb
	% Moisture, Solid	17.5			0.10	0.10	1	%	189010		09/11/06 1822	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1305-1						Laboratory Sample ID: 248554-6						
Date Sampled.....: 09/07/2006						Date Received.....: 09/08/2006						
Time Sampled.....: 10:50						Time Received.....: 09:50						
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.3	19	1.00000	ug/Kg	189789		09/19/06 0424	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.2	19	1.00000	ug/Kg	189789		09/19/06 0424	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.1	19	1.00000	ug/Kg	189789		09/19/06 0424	bjt
	Aroclor 1242, 3541 Solid*	ND	U		5.5	19	1.00000	ug/Kg	189789		09/19/06 0424	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.1	19	1.00000	ug/Kg	189789		09/19/06 0424	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.2	19	1.00000	ug/Kg	189789		09/19/06 0424	bjt
	Aroclor 1260, 3541 Solid*	ND	U		3.7	19	1.00000	ug/Kg	189789		09/19/06 0424	bjt
Method	% Solids Determination											
	% Solids, Solid	87.2			0.10	0.10	1	%	189010		09/11/06 1826	clb
	% Moisture, Solid	12.8			0.10	0.10	1	%	189010		09/11/06 1826	clb

\* In Description = Dry Wgt.



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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1305-3 Date Sampled.....: 09/07/2006 Time Sampled.....: 11:00 Sample Matrix.....: Soil						Laboratory Sample ID: 248554-7 Date Received.....: 09/08/2006 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		7.1	21	1.00000	ug/Kg	189789		09/19/06 0603	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.9	21	1.00000	ug/Kg	189789		09/19/06 0603	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.7	21	1.00000	ug/Kg	189789		09/19/06 0603	bjt
	Aroclor 1242, 3541 Solid*	ND	U		6.2	21	1.00000	ug/Kg	189789		09/19/06 0603	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.6	21	1.00000	ug/Kg	189789		09/19/06 0603	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.7	21	1.00000	ug/Kg	189789		09/19/06 0603	bjt
	Aroclor 1260, 3541 Solid*	ND	U		4.2	21	1.00000	ug/Kg	189789		09/19/06 0603	bjt
Method	% Solids Determination											
	% Solids, Solid	75.5			0.10	0.10	1	%	189010		09/11/06 1830	clb
	% Moisture, Solid	24.5			0.10	0.10	1	%	189010		09/11/06 1830	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1315-1						Laboratory Sample ID: 248554-8						
Date Sampled.....: 09/07/2006						Date Received.....: 09/08/2006						
Time Sampled.....: 11:20						Time Received.....: 09:50						
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND		U	5.7	17	1.00000	ug/Kg	189789		09/19/06 0627	bjt
	Aroclor 1221, 3541 Solid*	ND		U	4.6	17	1.00000	ug/Kg	189789		09/19/06 0627	bjt
	Aroclor 1232, 3541 Solid*	ND		U	4.5	17	1.00000	ug/Kg	189789		09/19/06 0627	bjt
	Aroclor 1242, 3541 Solid*	ND		U	4.9	17	1.00000	ug/Kg	189789		09/19/06 0627	bjt
	Aroclor 1248, 3541 Solid*	ND		U	3.6	17	1.00000	ug/Kg	189789		09/19/06 0627	bjt
	Aroclor 1254, 3541 Solid*	ND		U	3.7	17	1.00000	ug/Kg	189789		09/19/06 0627	bjt
	Aroclor 1260, 3541 Solid*	18			3.3	17	1.00000	ug/Kg	189789		09/19/06 0627	bjt
Method	% Solids Determination											
	% Solids, Solid	94.6			0.10	0.10	1	%	189010		09/11/06 1833	clb
	% Moisture, Solid	5.4			0.10	0.10	1	%	189010		09/11/06 1833	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1325-2						Laboratory Sample ID: 248554-9						
Date Sampled.....: 09/07/2006						Date Received.....: 09/08/2006						
Time Sampled.....: 13:20						Time Received.....: 09:50						
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.8	20	1.00000	ug/Kg	189789		09/19/06 0831	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.6	20	1.00000	ug/Kg	189789		09/19/06 0831	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.5	20	1.00000	ug/Kg	189789		09/19/06 0831	bjt
	Aroclor 1242, 3541 Solid*	ND	U		5.9	20	1.00000	ug/Kg	189789		09/19/06 0831	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.4	20	1.00000	ug/Kg	189789		09/19/06 0831	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.5	20	1.00000	ug/Kg	189789		09/19/06 0831	bjt
	Aroclor 1260, 3541 Solid*	ND	U		4.0	20	1.00000	ug/Kg	189789		09/19/06 0831	bjt
Method	% Solids Determination											
	% Solids, Solid	80.1			0.10	0.10	1	%	189010		09/11/06 1837	clb
	% Moisture, Solid	19.9			0.10	0.10	1	%	189010		09/11/06 1837	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1335-1						Laboratory Sample ID: 248554-10						
Date Sampled.....: 09/07/2006						Date Received.....: 09/08/2006						
Time Sampled.....: 15:15						Time Received.....: 09:50						
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.6	20	1.00000	ug/Kg	189789		09/19/06 0856	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.4	20	1.00000	ug/Kg	189789		09/19/06 0856	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.3	20	1.00000	ug/Kg	189789		09/19/06 0856	bjt
	Aroclor 1242, 3541 Solid*	ND	U		5.8	20	1.00000	ug/Kg	189789		09/19/06 0856	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.2	20	1.00000	ug/Kg	189789		09/19/06 0856	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.3	20	1.00000	ug/Kg	189789		09/19/06 0856	bjt
	Aroclor 1260, 3541 Solid*	ND	U		3.9	20	1.00000	ug/Kg	189789		09/19/06 0856	bjt
Method	% Solids Determination											
	% Solids, Solid	84.0			0.10	0.10	1	%	189010		09/11/06 1841	clb
	% Moisture, Solid	16.0			0.10	0.10	1	%	189010		09/11/06 1841	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1335-4 Date Sampled.....: 09/07/2006 Time Sampled.....: 15:30 Sample Matrix.....: Soil						Laboratory Sample ID: 248554-11 Date Received.....: 09/08/2006 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.7	20	1.00000	ug/Kg	189789		09/19/06 0945	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.5	20	1.00000	ug/Kg	189789		09/19/06 0945	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.4	20	1.00000	ug/Kg	189789		09/19/06 0945	bjt
	Aroclor 1242, 3541 Solid*	ND	U		5.8	20	1.00000	ug/Kg	189789		09/19/06 0945	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.3	20	1.00000	ug/Kg	189789		09/19/06 0945	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.4	20	1.00000	ug/Kg	189789		09/19/06 0945	bjt
	Aroclor 1260, 3541 Solid*	160			3.9	20	1.00000	ug/Kg	189789		09/19/06 0945	bjt
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	1000			20	50	10.0000	mg/Kg	189708		09/21/06 1806	san
Method	% Solids Determination											
	% Solids, Solid	80.1			0.10	0.10	1	%	189010		09/11/06 1844	clb
	% Moisture, Solid	19.9			0.10	0.10	1	%	189010		09/11/06 1844	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1345-1						Laboratory Sample ID: 248554-12						
Date Sampled.....: 09/07/2006						Date Received.....: 09/08/2006						
Time Sampled.....: 15:50						Time Received.....: 09:50						
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		6.5	19	1.00000	ug/Kg	189789		09/19/06 1010	bjt
	Aroclor 1221, 3541 Solid*	ND	U		5.3	19	1.00000	ug/Kg	189789		09/19/06 1010	bjt
	Aroclor 1232, 3541 Solid*	ND	U		5.2	19	1.00000	ug/Kg	189789		09/19/06 1010	bjt
	Aroclor 1242, 3541 Solid*	ND	U		5.6	19	1.00000	ug/Kg	189789		09/19/06 1010	bjt
	Aroclor 1248, 3541 Solid*	ND	U		4.1	19	1.00000	ug/Kg	189789		09/19/06 1010	bjt
	Aroclor 1254, 3541 Solid*	ND	U		4.3	19	1.00000	ug/Kg	189789		09/19/06 1010	bjt
	Aroclor 1260, 3541 Solid*	ND	U		3.8	19	1.00000	ug/Kg	189789		09/19/06 1010	bjt
Method	% Solids Determination											
	% Solids, Solid	84.7			0.10	0.10	1	%	189010		09/11/06 1848	clb
	% Moisture, Solid	15.3			0.10	0.10	1	%	189010		09/11/06 1848	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB1345-4 Date Sampled.....: 09/07/2006 Time Sampled.....: 16:10 Sample Matrix.....: Soil						Laboratory Sample ID: 248554-13 Date Received.....: 09/08/2006 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		20	61	1.00000	ug/Kg	189789		09/19/06 1035	bjt
	Aroclor 1221, 3541 Solid*	ND	U		17	61	1.00000	ug/Kg	189789		09/19/06 1035	bjt
	Aroclor 1232, 3541 Solid*	ND	U		16	61	1.00000	ug/Kg	189789		09/19/06 1035	bjt
	Aroclor 1242, 3541 Solid*	ND	U		18	61	1.00000	ug/Kg	189789		09/19/06 1035	bjt
	Aroclor 1248, 3541 Solid*	ND	U		13	61	1.00000	ug/Kg	189789		09/19/06 1035	bjt
	Aroclor 1254, 3541 Solid*	ND	U		13	61	1.00000	ug/Kg	189789		09/19/06 1035	bjt
	Aroclor 1260, 3541 Solid*	ND	U		12	61	1.00000	ug/Kg	189789		09/19/06 1035	bjt
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	8.6			2.0	5.0	1.00000	mg/Kg	189708		09/15/06 2159	san
Method	% Solids Determination											
	% Solids, Solid	80.3			0.10	0.10	1	%	189010		09/11/06 1852	clb
	% Moisture, Solid	19.7			0.10	0.10	1	%	189010		09/11/06 1852	clb

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB112 Date Sampled.....: 09/07/2006 Time Sampled.....: 16:20 Sample Matrix.....: Water						Laboratory Sample ID: 248554-14 Date Received.....: 09/08/2006 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND	U		0.17	0.47	1.00000	ug/L	189788		09/22/06 1352	bjt
	Aroclor 1221	ND	U		0.39	0.47	1.00000	ug/L	189788		09/22/06 1352	bjt
	Aroclor 1232	ND	U		0.33	0.47	1.00000	ug/L	189788		09/22/06 1352	bjt
	Aroclor 1242	ND	U		0.40	0.47	1.00000	ug/L	189788		09/22/06 1352	bjt
	Aroclor 1248	ND	U		0.45	0.47	1.00000	ug/L	189788		09/22/06 1352	bjt
	Aroclor 1254	ND	U		0.33	0.47	1.00000	ug/L	189788		09/22/06 1352	bjt
	Aroclor 1260	ND	U		0.16	0.47	1.00000	ug/L	189788		09/22/06 1352	bjt

\* In Description = Dry Wgt.



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LABORATORY TEST RESULTS												
Job Number: 248554								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB118 Date Sampled.....: 09/07/2006 Time Sampled.....: 16:40 Sample Matrix.....: Water						Laboratory Sample ID: 248554-15 Date Received.....: 09/08/2006 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO)	4.4			0.031	0.12	1.00000	mg/L	189709		09/15/06 2348	san
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO)	390			6.9	50	1.00000	ug/L	189321		09/15/06 2235	wre

\* In Description = Dry Wgt.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/25/2006

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- \* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- \* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- ^ EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/25/2006

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

Q U A L I T Y   A S S U R A N C E   M E T H O D S

R E F E R E N C E S   A N D   N O T E S

Report Date: 09/25/2006

RTW      Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number  
SCB      Seeded Control Blank  
SD        Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)  
UCB      Unseeded Control Blank  
SSV      Second Source Verification Standard  
SLCS     Solid Laboratory Control Standard(LCS)  
PHC      pH Calibration Check LCSP pH Laboratory Control Sample  
LCDP     pH Laboratory Control Sample Duplicate  
MDPH     pH Sample Duplicate  
MDFP     Flashpoint Sample Duplicate  
LCFP     Flashpoint LCS  
G1        Gelex Check Standard Range 0-1  
G2        Gelex Check Standard Range 1-10  
G3        Gelex Check Standard Range 10-100  
G4        Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

# SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 248582

Prepared For:

SCS Engineers, Inc.  
10975 El Monte  
Suite 100  
Overland Park, KS 66211

Project: GSA - SLOP

Attention: David Brewer

Date: 09/25/2006

\_\_\_\_\_  
Signature

Name: Richard C. Wright

Title: Project Manager

E-Mail: [rwright@stl-inc.com](mailto:rwright@stl-inc.com)

\_\_\_\_\_  
Date

STL Chicago  
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University Park, IL 60466

PHONE: (708) 534-5200

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This Report Contains (\_\_\_\_\_) Pages

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S A M P L E I N F O R M A T I O N  
Date: 09/25/2006

Job Number.: 248582	Project Number.....: 20006654
Customer...: SCS Engineers, Inc.	Customer Project ID....: GSA - SLOP
Attn.....: David Brewer	Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
248582-1	SB109	Water	09/07/2006	16:40	09/09/2006	09:25
248582-2	SB116	Water	09/07/2006	16:50	09/09/2006	09:25
248582-3	SB130	Water	09/08/2006	06:45	09/09/2006	09:25
248582-4	SB121	Water	09/08/2006	07:15	09/09/2006	09:25
248582-5	SB119	Water	09/08/2006	07:30	09/09/2006	09:25
248582-6	SB122	Water	09/08/2006	07:45	09/09/2006	09:25

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LABORATORY TEST RESULTS												
Job Number: 248582								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB109 Date Sampled.....: 09/07/2006 Time Sampled.....: 16:40 Sample Matrix.....: Water						Laboratory Sample ID: 248582-1 Date Received.....: 09/09/2006 Time Received.....: 09:25						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND	U		0.18	0.50	1.00000	ug/L	189788		09/22/06 1416	bjt
	Aroclor 1221	ND	U		0.42	0.50	1.00000	ug/L	189788		09/22/06 1416	bjt
	Aroclor 1232	ND	U		0.35	0.50	1.00000	ug/L	189788		09/22/06 1416	bjt
	Aroclor 1242	ND	U		0.43	0.50	1.00000	ug/L	189788		09/22/06 1416	bjt
	Aroclor 1248	ND	U		0.48	0.50	1.00000	ug/L	189788		09/22/06 1416	bjt
	Aroclor 1254	ND	U		0.35	0.50	1.00000	ug/L	189788		09/22/06 1416	bjt
	Aroclor 1260	ND	U		0.17	0.50	1.00000	ug/L	189788		09/22/06 1416	bjt

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248582								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB116 Date Sampled.....: 09/07/2006 Time Sampled.....: 16:50 Sample Matrix.....: Water						Laboratory Sample ID: 248582-2 Date Received.....: 09/09/2006 Time Received.....: 09:25						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO)	0.093	J	a	0.031	0.12	1.00000	mg/L	189640		09/13/06 1809	san
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO)	ND	U		6.9	50	1.00000	ug/L	189321		09/15/06 2015	wre

\* In Description = Dry Wgt.



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LABORATORY TEST RESULTS												
Job Number: 248582								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB130 Date Sampled.....: 09/08/2006 Time Sampled.....: 06:45 Sample Matrix.....: Water						Laboratory Sample ID: 248582-3 Date Received.....: 09/09/2006 Time Received.....: 09:25						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND	U		0.17	0.47	1.00000	ug/L	189788		09/22/06 1441	bjt
	Aroclor 1221	ND	U		0.40	0.47	1.00000	ug/L	189788		09/22/06 1441	bjt
	Aroclor 1232	ND	U		0.33	0.47	1.00000	ug/L	189788		09/22/06 1441	bjt
	Aroclor 1242	ND	U		0.41	0.47	1.00000	ug/L	189788		09/22/06 1441	bjt
	Aroclor 1248	ND	U		0.45	0.47	1.00000	ug/L	189788		09/22/06 1441	bjt
	Aroclor 1254	ND	U		0.33	0.47	1.00000	ug/L	189788		09/22/06 1441	bjt
	Aroclor 1260	ND	U		0.16	0.47	1.00000	ug/L	189788		09/22/06 1441	bjt

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248582								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB121 Date Sampled.....: 09/08/2006 Time Sampled.....: 07:15 Sample Matrix.....: Water						Laboratory Sample ID: 248582-4 Date Received.....: 09/09/2006 Time Received.....: 09:25						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO)	390			34	250	5.00000	ug/L	189321		09/15/06 2050	wre

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248582								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB119 Date Sampled.....: 09/08/2006 Time Sampled.....: 07:30 Sample Matrix.....: Water						Laboratory Sample ID: 248582-5 Date Received.....: 09/09/2006 Time Received.....: 09:25						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO)	1900			14	100	2.00000	ug/L	189321		09/15/06 2125	wre

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248582								Date: 09/25/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB122 Date Sampled.....: 09/08/2006 Time Sampled.....: 07:45 Sample Matrix.....: Water						Laboratory Sample ID: 248582-6 Date Received.....: 09/09/2006 Time Received.....: 09:25						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MGRO	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO)	20	J	a	6.9	50	1.00000	ug/L	189321		09/15/06 2200	wre

\* In Description = Dry Wgt.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/25/2006

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- \* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- \* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- ^ EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 09/25/2006

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

Q U A L I T Y   A S S U R A N C E   M E T H O D S

R E F E R E N C E S   A N D   N O T E S

Report Date: 09/25/2006

RTW      Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number  
SCB      Seeded Control Blank  
SD        Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)  
UCB      Unseeded Control Blank  
SSV      Second Source Verification Standard  
SLCS     Solid Laboratory Control Standard(LCS)  
PHC      pH Calibration Check LCSP pH Laboratory Control Sample  
LCDP     pH Laboratory Control Sample Duplicate  
MDPH     pH Sample Duplicate  
MDFP     Flashpoint Sample Duplicate  
LCFP     Flashpoint LCS  
G1        Gelex Check Standard Range 0-1  
G2        Gelex Check Standard Range 1-10  
G3        Gelex Check Standard Range 10-100  
G4        Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT LABORATORIES  
ANALYTICAL REPORT

JOB NUMBER: 248821

Prepared For:

SCS Engineers, Inc.  
10975 El Monte  
Suite 100  
Overland Park, KS 66211

Project: GSA - SLOP

Attention: David Brewer

Date: 10/06/2006

\_\_\_\_\_  
Signature

Name: Richard C. Wright

Title: Project Manager

E-Mail: [rwright@stl-inc.com](mailto:rwright@stl-inc.com)

\_\_\_\_\_  
Date

STL Chicago  
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This Report Contains (\_\_\_\_\_) Pages



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S A M P L E I N F O R M A T I O N  
Date: 10/06/2006

Job Number.: 248821	Project Number.....: 20006654
Customer...: SCS Engineers, Inc.	Customer Project ID...: GSA - SLOP
Attn.....: David Brewer	Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
248821-1	SB132	Water	09/21/2006	13:00	09/23/2006	09:20
248821-2	SB126	Water	09/21/2006	13:30	09/23/2006	09:20
248821-3	SB127	Water	09/21/2006	13:45	09/23/2006	09:20
248821-4	SB129	Water	09/21/2006	14:10	09/23/2006	09:20
248821-5	SB110	Water	09/21/2006	14:25	09/23/2006	09:20
248821-6	SB133	Water	09/21/2006	14:35	09/23/2006	09:20
248821-7	SB134	Water	09/21/2006	14:45	09/23/2006	09:20
248821-8	SB122	Water	09/21/2006	15:00	09/23/2006	09:20
248821-9	SB119	Water	09/21/2006	15:15	09/23/2006	09:20
248821-10	SB121	Water	09/21/2006	15:30	09/23/2006	09:20
248821-11	108BLSSS1	Soil	09/22/2006	10:00	09/23/2006	09:20

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB132 Date Sampled.....: 09/21/2006 Time Sampled.....: 13:00 Sample Matrix.....: Water						Laboratory Sample ID: 248821-1 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND	U		0.19	0.53	1.00000	ug/L	190238		09/28/06 0528	lm
	Aroclor 1221	ND	U		0.44	0.53	1.00000	ug/L	190238		09/28/06 0528	lm
	Aroclor 1232	ND	U		0.37	0.53	1.00000	ug/L	190238		09/28/06 0528	lm
	Aroclor 1242	ND	U		0.45	0.53	1.00000	ug/L	190238		09/28/06 0528	lm
	Aroclor 1248	ND	U		0.51	0.53	1.00000	ug/L	190238		09/28/06 0528	lm
	Aroclor 1254	ND	U		0.37	0.53	1.00000	ug/L	190238		09/28/06 0528	lm
	Aroclor 1260	ND	U		0.18	0.53	1.00000	ug/L	190238		09/28/06 0528	lm

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB126 Date Sampled.....: 09/21/2006 Time Sampled.....: 13:30 Sample Matrix.....: Water						Laboratory Sample ID: 248821-2 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND		U	0.19	0.53	1.00000	ug/L	190238		09/28/06 0558	lm
	Aroclor 1221	ND		U	0.44	0.53	1.00000	ug/L	190238		09/28/06 0558	lm
	Aroclor 1232	ND		U	0.37	0.53	1.00000	ug/L	190238		09/28/06 0558	lm
	Aroclor 1242	ND		U	0.45	0.53	1.00000	ug/L	190238		09/28/06 0558	lm
	Aroclor 1248	ND		U	0.51	0.53	1.00000	ug/L	190238		09/28/06 0558	lm
	Aroclor 1254	ND		U	0.37	0.53	1.00000	ug/L	190238		09/28/06 0558	lm
	Aroclor 1260	2.6			0.18	0.53	1.00000	ug/L	190238		09/28/06 0558	lm

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB127 Date Sampled.....: 09/21/2006 Time Sampled.....: 13:45 Sample Matrix.....: Water						Laboratory Sample ID: 248821-3 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND	U		0.19	0.53	1.00000	ug/L	190238		09/28/06 0628	lm
	Aroclor 1221	ND	U		0.44	0.53	1.00000	ug/L	190238		09/28/06 0628	lm
	Aroclor 1232	ND	U		0.37	0.53	1.00000	ug/L	190238		09/28/06 0628	lm
	Aroclor 1242	ND	U		0.45	0.53	1.00000	ug/L	190238		09/28/06 0628	lm
	Aroclor 1248	ND	U		0.51	0.53	1.00000	ug/L	190238		09/28/06 0628	lm
	Aroclor 1254	ND	U		0.37	0.53	1.00000	ug/L	190238		09/28/06 0628	lm
	Aroclor 1260	ND	U		0.18	0.53	1.00000	ug/L	190238		09/28/06 0628	lm

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB129 Date Sampled.....: 09/21/2006 Time Sampled.....: 14:10 Sample Matrix.....: Water						Laboratory Sample ID: 248821-4 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND	U		0.19	0.53	1.00000	ug/L	190238		09/28/06 0658	lm
	Aroclor 1221	ND	U		0.44	0.53	1.00000	ug/L	190238		09/28/06 0658	lm
	Aroclor 1232	ND	U		0.37	0.53	1.00000	ug/L	190238		09/28/06 0658	lm
	Aroclor 1242	ND	U		0.45	0.53	1.00000	ug/L	190238		09/28/06 0658	lm
	Aroclor 1248	ND	U		0.51	0.53	1.00000	ug/L	190238		09/28/06 0658	lm
	Aroclor 1254	ND	U		0.37	0.53	1.00000	ug/L	190238		09/28/06 0658	lm
	Aroclor 1260	ND	U		0.18	0.53	1.00000	ug/L	190238		09/28/06 0658	lm

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB110						Laboratory Sample ID: 248821-5						
Date Sampled.....: 09/21/2006						Date Received.....: 09/23/2006						
Time Sampled.....: 14:25						Time Received.....: 09:20						
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND	U		1.0	2.8	1.00000	ug/L	190238		09/28/06 0729	lm
	Aroclor 1221	ND	U		2.3	2.8	1.00000	ug/L	190238		09/28/06 0729	lm
	Aroclor 1232	ND	U		1.9	2.8	1.00000	ug/L	190238		09/28/06 0729	lm
	Aroclor 1242	ND	U		2.4	2.8	1.00000	ug/L	190238		09/28/06 0729	lm
	Aroclor 1248	ND	U		2.7	2.8	1.00000	ug/L	190238		09/28/06 0729	lm
	Aroclor 1254	ND	U		1.9	2.8	1.00000	ug/L	190238		09/28/06 0729	lm
	Aroclor 1260	ND	U		0.94	2.8	1.00000	ug/L	190238		09/28/06 0729	lm

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB133 Date Sampled.....: 09/21/2006 Time Sampled.....: 14:35 Sample Matrix.....: Water						Laboratory Sample ID: 248821-6 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND		U	0.19	0.53	1.00000	ug/L	190238		09/28/06 0829	lm
	Aroclor 1221	ND		U	0.44	0.53	1.00000	ug/L	190238		09/28/06 0829	lm
	Aroclor 1232	ND		U	0.37	0.53	1.00000	ug/L	190238		09/28/06 0829	lm
	Aroclor 1242	ND		U	0.45	0.53	1.00000	ug/L	190238		09/28/06 0829	lm
	Aroclor 1248	ND		U	0.51	0.53	1.00000	ug/L	190238		09/28/06 0829	lm
	Aroclor 1254	ND		U	0.37	0.53	1.00000	ug/L	190238		09/28/06 0829	lm
	Aroclor 1260	0.62			0.18	0.53	1.00000	ug/L	190238		09/28/06 0829	lm

\* In Description = Dry Wgt.

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Job Number: 248821		LABORATORY TEST RESULTS						Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.			PROJECT: GSA - SLOP			ATTN: David Brewer						
Customer Sample ID: SB134			Laboratory Sample ID: 248821-7									
Date Sampled.....: 09/21/2006			Date Received.....: 09/23/2006									
Time Sampled.....: 14:45			Time Received.....: 09:20									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016	ND	U		0.23	0.64	1.00000	ug/L	190238		09/28/06 0859	lm
	Aroclor 1221	ND	U		0.54	0.64	1.00000	ug/L	190238		09/28/06 0859	lm
	Aroclor 1232	ND	U		0.45	0.64	1.00000	ug/L	190238		09/28/06 0859	lm
	Aroclor 1242	ND	U		0.55	0.64	1.00000	ug/L	190238		09/28/06 0859	lm
	Aroclor 1248	ND	U		0.62	0.64	1.00000	ug/L	190238		09/28/06 0859	lm
	Aroclor 1254	ND	U		0.45	0.64	1.00000	ug/L	190238		09/28/06 0859	lm
	Aroclor 1260	ND	U		0.22	0.64	1.00000	ug/L	190238		09/28/06 0859	lm

\* In Description = Dry Wgt.



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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB122 Date Sampled.....: 09/21/2006 Time Sampled.....: 15:00 Sample Matrix.....: Water						Laboratory Sample ID: 248821-8 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO)	0.26			0.036	0.13	1.00000	mg/L	190462		10/03/06 0419	san

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB119 Date Sampled.....: 09/21/2006 Time Sampled.....: 15:15 Sample Matrix.....: Water						Laboratory Sample ID: 248821-9 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO)	0.99			0.036	0.13	1.00000	mg/L	190462		10/03/06 0456	san

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB121 Date Sampled.....: 09/21/2006 Time Sampled.....: 15:30 Sample Matrix.....: Water						Laboratory Sample ID: 248821-10 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO)	0.10	J	a	0.033	0.13	1.00000	mg/L	190462		10/03/06 0532	san

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 248821								Date:10/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: 108BLSSS1 Date Sampled.....: 09/22/2006 Time Sampled.....: 10:00 Sample Matrix.....: Soil						Laboratory Sample ID: 248821-11 Date Received.....: 09/23/2006 Time Received.....: 09:20						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, 3541 Solid*	ND	U		72	210	10.0000	ug/Kg	190206		09/28/06 0633	lm
	Aroclor 1221, 3541 Solid*	ND	U		59	210	10.0000	ug/Kg	190206		09/28/06 0633	lm
	Aroclor 1232, 3541 Solid*	ND	U		58	210	10.0000	ug/Kg	190206		09/28/06 0633	lm
	Aroclor 1242, 3541 Solid*	ND	U		63	210	10.0000	ug/Kg	190206		09/28/06 0633	lm
	Aroclor 1248, 3541 Solid*	ND	U		46	210	10.0000	ug/Kg	190206		09/28/06 0633	lm
	Aroclor 1254, 3541 Solid*	ND	U		48	210	10.0000	ug/Kg	190206		09/28/06 0633	lm
	Aroclor 1260, 3541 Solid*	1500			42	210	10.0000	ug/Kg	190206		09/28/06 0633	lm
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	6400			220	540	100.000	mg/Kg	190461		10/03/06 0003	san
Method	% Solids Determination											
	% Solids, Solid	73.3			0.10	0.10	1	%	189989		09/27/06 0000	gok
	% Moisture, Solid	26.7			0.10	0.10	1	%	189989		09/27/06 0000	gok

\* In Description = Dry Wgt.

## L A B O R A T O R Y    C H R O N I C L E

Job Number: 248821

Date: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Lab ID:	Client ID:	Date Recvd:	Sample Date:				DILUTION
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	
248821-1	SB132	09/23/2006	09/21/2006				
EDD	Electronic Data Deliverable	1					
3510C	Extraction Sep. Funnel (PCBs)	1	189991			09/27/2006 1300	
8082	PCB Analysis	1	190238	189991		09/28/2006 0528	1.00000
248821-2	SB126	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (PCBs)	1	189991			09/27/2006 1300	
8082	PCB Analysis	1	190238	189991		09/28/2006 0558	1.00000
248821-3	SB127	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (PCBs)	1	189991			09/27/2006 1300	
8082	PCB Analysis	1	190238	189991		09/28/2006 0628	1.00000
248821-4	SB129	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (PCBs)	1	189991			09/27/2006 1300	
8082	PCB Analysis	1	190238	189991		09/28/2006 0658	1.00000
248821-5	SB110	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (PCBs)	1	189991			09/27/2006 1300	
8082	PCB Analysis	1	190238	189991		09/28/2006 0729	1.00000
248821-6	SB133	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (PCBs)	1	189991			09/27/2006 1300	
8082	PCB Analysis	1	190238	189991		09/28/2006 0829	1.00000
248821-7	SB134	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (PCBs)	1	189991			09/27/2006 1300	
8082	PCB Analysis	1	190238	189991		09/28/2006 0859	1.00000
248821-8	SB122	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (Diesel)	1	190042			09/27/2006 1300	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	190462	190042		10/03/2006 0419	1.00000
248821-9	SB119	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (Diesel)	1	190042			09/27/2006 1300	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	190462	190042		10/03/2006 0456	1.00000
248821-10	SB121	09/23/2006	09/21/2006				
3510C	Extraction Sep. Funnel (Diesel)	1	190042			09/27/2006 1300	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	190462	190042		10/03/2006 0532	1.00000
248821-11	108BLSSS1	09/23/2006	09/22/2006				
Method	% Solids Determination	1	189989			09/27/2006 0000	
3541	Extraction Soxhlet (DRO)	1	190035			09/27/2006 1600	
3541	Extraction Soxhlet (PCBs)	1	189929			09/26/2006 1630	
8082	PCB Analysis	1	190206	189929		09/28/2006 0633	10.0000

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L A B O R A T O R Y   C H R O N I C L E

Job Number: 248821

Date: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Lab ID: 248821-11	Client ID: 108BLSSS1	Date Recvd: 09/23/2006	Sample Date: 09/22/2006			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	190461	190035	10/03/2006 0003	100.000

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S U R R O G A T E R E C O V E R I E S R E P O R T

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Method.....: TPH - Diesel Range Organics (DRO)  
Method Code...: 8015D

Test Matrix...: 3541 Solid  
Batch(s).....: 190461

Prep Batch...: 190035

Lab ID	DT	Sample ID	Date	2FLUBP	OTERPH
LCS			10/02/2006	95	105
MB			10/02/2006	76	81
248821- 11		108BLSSS1	10/03/2006	0	D 0 D
248821- 11 MS		108BLSSS1	10/03/2006	0	D 0 D
248821- 11 MSD		108BLSSS1	10/03/2006	0	D 0 D

Test	Test Description	Limits
2FLUBP	2-Fluorobiphenyl (surr)	41 - 118
OTERPH	o-Terphenyl (surr)	38 - 150

Method.....: TPH - Diesel Range Organics (DRO)  
Method Code...: 8015D

Test Matrix...: Water  
Batch(s).....: 190462

Prep Batch...: 190042

Lab ID	DT	Sample ID	Date	2FLUBP	OTERPH
LCD			10/03/2006	88	73
LCS			10/03/2006	100	83
MB			10/03/2006	75	74
248821- 8		SB122	10/03/2006	79	78
248821- 9		SB119	10/03/2006	82	78
248821- 10		SB121	10/03/2006	73	75

Test	Test Description	Limits
2FLUBP	2-Fluorobiphenyl (surr)	34 - 139
OTERPH	o-Terphenyl (surr)	50 - 127

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S U R R O G A T E R E C O V E R I E S R E P O R T

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Method.....: PCB Analysis  
Method Code...: 8082

Test Matrix...: 3541 Solid  
Batch(s).....: 190206

Prep Batch...: 189929

Lab ID	DT	Sample ID	Date	DCB	TCX
LCS			09/28/2006	94	51
MB			09/28/2006	96	60
248821- 11		108BLSSS1	09/28/2006	103	87

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	70 - 125
TCX	Tetrachloro-m-xylene (surr)	44 - 135

Method.....: PCB Analysis  
Method Code...: 8082

Test Matrix...: Water  
Batch(s).....: 190238

Prep Batch...: 189991

Lab ID	DT	Sample ID	Date	DCB	TCX
LCD			09/27/2006	84	71
LCS			09/27/2006	81	70
MB			09/27/2006	92	65
248821- 1		SB132	09/28/2006	25	37
248821- 2		SB126	09/28/2006	70	81
248821- 3		SB127	09/28/2006	59	72
248821- 4		SB129	09/28/2006	66	73
248821- 5		SB110	09/28/2006	57	74
248821- 6		SB133	09/28/2006	28	48
248821- 7		SB134	09/28/2006	49	72

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	20 - 145
TCX	Tetrachloro-m-xylene (surr)	20 - 144



Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082

Equipment Code....: INST3132

Analyst...: lm

Method Description.: PCB Analysis

Batch.....: 190206

LCS	Laboratory Control Sample	O6IWLPCBA	189929-002		09/28/2006	0453
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Aroclor 1016, 3541 Solid	ug/Kg	130.173		166.700	5.600	U 78	%	52-105
Aroclor 1260, 3541 Solid	ug/Kg	153.467		167.000	3.300	U 92	%	63-122

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082

Equipment Code....: INST3132

Analyst...: lm

Method Description.: PCB Analysis

Batch.....: 190206

MB	Method Blank		189929-001		09/28/2006	0429
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits
Aroclor 1016, 3541 Solid	ug/Kg	5.600	U				
Aroclor 1221, 3541 Solid	ug/Kg	4.600	U				
Aroclor 1232, 3541 Solid	ug/Kg	4.500	U				
Aroclor 1242, 3541 Solid	ug/Kg	4.900	U				
Aroclor 1248, 3541 Solid	ug/Kg	3.600	U				
Aroclor 1254, 3541 Solid	ug/Kg	3.700	U				
Aroclor 1260, 3541 Solid	ug/Kg	3.300	U				

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082

Equipment Code....: INST3738

Analyst...: lm

Method Description.: PCB Analysis

Batch.....: 190238

LCD	Laboratory Control Sample Duplicate	O6IWLPCBA	189991-003		09/27/2006	2138
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits
Aroclor 1016	ug/L	4.420	4.291	5.001	0.180	U 88 3	% 66-106 R 20
Aroclor 1260	ug/L	4.541	4.501	5.010	0.170	U 91 1	% 71-116 R 20

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082

Equipment Code....: INST3738

Analyst...: lm

Method Description.: PCB Analysis

Batch.....: 190238

LCS	Laboratory Control Sample	O6IWLPCBA	189991-002		09/27/2006	2108
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Aroclor 1016	ug/L	4.291		5.001	0.180	U 86	%	66-106
Aroclor 1260	ug/L	4.501		5.010	0.170	U 90	%	71-116

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082

Equipment Code....: INST3738

Analyst...: lm

Method Description.: PCB Analysis

Batch.....: 190238

MB	Method Blank		189991-001		09/27/2006	2038
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aroclor 1016	ug/L	0.180	U					
Aroclor 1221	ug/L	0.420	U					
Aroclor 1232	ug/L	0.350	U					
Aroclor 1242	ug/L	0.430	U					
Aroclor 1248	ug/L	0.480	U					
Aroclor 1254	ug/L	0.350	U					
Aroclor 1260	ug/L	0.170	U					

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MDRO

Equipment Code....: INST10

Analyst...: san

Method Description.: TPH - Diesel Range Organics (DRO)

Batch.....: 190461

LCS	Laboratory Control Sample	O06IWLDEIA	190035-002		10/02/2006	2326
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	59.578		66.670	1.700	U 89	%	62-120

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MDRO

Equipment Code....: INST10

Analyst...: san

Method Description.: TPH - Diesel Range Organics (DRO)

Batch.....: 190461

MB	Method Blank		190035-001		10/02/2006	2250
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	1.700	U				

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MDRO

Equipment Code....: INST10

Analyst...: san

Method Description.: TPH - Diesel Range Organics (DRO)

Batch.....: 190461

MS	Matrix Spike	O06IWLDEIA	248821-11	100.000	10/03/2006	0040
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	10012.977		8563.000	6423.002	0	%	62-120	D



Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MDRO

Equipment Code....: INST10

Analyst...: san

Method Description.: TPH - Diesel Range Organics (DRO)

Batch.....: 190461

MSD	Matrix Spike Duplicate	O06IWLDEIA	248821-11	100.000	10/03/2006	0116
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Diesel Range Organics (DRO), 3541 Soli	mg/Kg	8754.548	10012.977	8562.000	6423.002	0 43	% R 30	D

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MDRO

Equipment Code....: INST10

Analyst...: san

Method Description.: TPH - Diesel Range Organics (DRO)

Batch.....: 190462

LCD	Laboratory Control Sample Duplicate	O06IWLDEIA	190042-003		10/03/2006	0306
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits
Diesel Range Organics (DRO)	mg/L	1.457030	1.633330	2.000000	0.033000	U 73 11	% 64-100 R 20

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MDRO

Equipment Code....: INST10

Analyst...: san

Method Description.: TPH - Diesel Range Organics (DRO)

Batch.....: 190462

LCS	Laboratory Control Sample	O06IWLDEIA	190042-002		10/03/2006	0229
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits
Diesel Range Organics (DRO)	mg/L	1.633330		2.000000	0.033000	U 82	% 64-100

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8015B MDRO

Equipment Code....: INST10

Analyst...: san

Method Description.: TPH - Diesel Range Organics (DRO)

Batch.....: 190462

MB	Method Blank		190042-001		10/03/2006	0153
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits
Diesel Range Organics (DRO)	mg/L	0.033000	U				

Q U A L I T Y   C O N T R O L   R E S U L T S

Job Number.: 248821

Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Test Method.....: Method

Batch.....: 189989

Analyst...: gok

Method Description.: % Solids Determination

Equipment Code....:

Test Code.: %SOLID

Parameter.....: % Solids

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. F	*	Limits	Date	Time
MB	189989-001		%	0.1000	U						09/27/2006	0000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/06/2006

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- \* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- \* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- ^ EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/06/2006

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

Q U A L I T Y   A S S U R A N C E   M E T H O D S

R E F E R E N C E S   A N D   N O T E S

Report Date: 10/06/2006

RTW      Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number  
SCB      Seeded Control Blank  
SD        Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)  
UCB      Unseeded Control Blank  
SSV      Second Source Verification Standard  
SLCS     Solid Laboratory Control Standard(LCS)  
PHC      pH Calibration Check LCSP pH Laboratory Control Sample  
LCDP     pH Laboratory Control Sample Duplicate  
MDPH     pH Sample Duplicate  
MDFP     Flashpoint Sample Duplicate  
LCFP     Flashpoint LCS  
G1        Gelex Check Standard Range 0-1  
G2        Gelex Check Standard Range 1-10  
G3        Gelex Check Standard Range 10-100  
G4        Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.





STL

STL Chicago  
2417 Bond Street  
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211  
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SEVERN TRENT LABORATORIES  
ANALYTICAL REPORT

JOB NUMBER: 249132

Prepared For:

SCS Engineers, Inc.  
10975 El Monte  
Suite 100  
Overland Park, KS 66211

Project: GSA - SLOP

Attention: David Brewer

Date: 10/27/2006

(b) (6)

Signature

10/27/06  
Date

Name: Richard C. Wright  
Title: Project Manager  
E-Mail: rwright@stl-inc.com

STL Chicago  
2417 Bond Street  
University Park, IL 60466  
PHONE: (708) 534-5200  
FAX.: (708) 534-5211

This Report Contains (78) Pages

Severn Trent Laboratories - Chicago  
METALS CASE NARRATIVE

Client: SCS Engineers, Inc.  
Project: GSA- SLOP  
STL#: 249132

Date Rec'd: 10/13/06

1. This narrative covers Metals analysis of samples in the above Job 249132.  
Method Refs: USEPA, SW-846
2. All analyses were performed within the required holding times.
3. All Initial and Continuing Calibration Verification (ICV/CCV's) were within control limits.
4. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.
5. All ICP Interference (ICSA/ICSAB) Check Standards were within control limits.
6. All Preparation/Method Blanks were less than the Reporting Limit.
7. Laboratory Control Sample (LCS) recoveries were within the 80-120% control limits.
8. Matrix QC performed on Sample 32 (Hg).

Matrix Spike recoveries were within the 75-125% control limits.

Duplicate analysis were within the 20% RPD control limits.

(b) (6)

✓ Lisa M. Odeshoo  
Metals Supervisor

10-26-06

Date

**Severn Trent Laboratories - Chicago**  
**GC/MS BNA Case Narrative**

SCS Engineering, Inc.  
GSA-SLOP  
Job Number: 249132  
BNA DATA:

1. All extractions and analyses were performed within recommended hold times.
2. The MB (Method Blank) had all target compounds below the contract required quantitation limit (CRQL).
3. In-house recovery limits and two method-control compounds were used as QC evaluation for the LCS (Laboratory Control Sample). All control spike recoveries were within the QC limits in the LCS.
4. Matrix Spike/Matrix Spike Duplicate analyses were performed on the sample -31. In-house statistical recovery limits and the two method control compounds were used for QC evaluation. The MS/MSD had two, one of the controlled spike recoveries, respectively, above the QC limits, and all RPD values within the QC limit. All of the other controlled spike recoveries and RPD values were within the QC limits for the specified compounds in the Matrix Spike/Matrix Spike Duplicate samples.
5. The samples 33 and LCS had one surrogate low, but greater than ten percent. The sample -34 D1 had one surrogate above the QC limit. No corrective action was required. The surrogates were diluted out of the secondary dilution for 32 and reported as "D". All other samples had all surrogate recoveries within in-house generated QC limits.
6. All analyses were performed following USEPA SW846 8270C protocol. All samples had internal standard areas and retention times within the acceptance limits as compared to the midpoint of the initial calibration.
7. The samples were extracted and analyzed as low-level soils; therefore, normal detection limits apply. The results are on a dry weight basis. Samples -31, -32 and -34 required initial dilutions for matrix. Samples -32, -34 and -36 required secondary dilutions for target compounds.

(b) (6)

\_\_\_\_\_  
Gary Rynkar  
GC/MS BNA Supervisor

10/25/16  
\_\_\_\_\_  
Date

STL Chicago  
PCB Case Narrative

SCS Engineers, Inc.  
GSA – SLOP  
Job #: 249132-1 through 10  
PCBs

1. STL Chicago used the following Gas Chromatographic systems for the analysis of PCBs:

<u>ID#</u>	<u>INSTRUMENT</u>	<u>COLUMN TYPE</u>	<u>DETECTOR</u>
31	HP 6890	Rtx-5 (Primary)	Electron Capture
32	HP 6890	Rtx-Clp2 (Confirmation)	Electron Capture

2. These wipe samples were extracted based on SW846 method 3550. All extracts were analyzed for PCBs based on SW846 method 8082. All extracts received a sulfuric acid cleanup in order to reduce matrix interference. Samples 249132-2, 5 and 8 were analyzed at a 1/10 dilution due to non-target compounds detected in samples.
3. All required holding times were met for the extraction and analysis.
4. The method blank was below the reporting limits for all Aroclors.
5. The surrogate compounds used for this analysis were Decachlorobiphenyl (DCB) and Tetrachloro-m-xylene (TCX). All surrogate recoveries were within statistical control limits.
6. A solution containing Aroclor 1016 and Aroclor 1260 was used for spiking.
7. All blank spike recoveries were within statistical control limits.
8. A matrix spike and a matrix spike duplicate were not performed on these samples.
9. All initial and continuing standard calibrations associated with these samples were in control on both columns. All SSV recoveries were within limits of 85%-115%.
10. Target compounds were confirmed using a second column. All results were reported from the primary column.

(b) (6)

Brenda J. Thompson  
Organics Supervisor

10/26/06  
Date

STL Chicago  
Explosives Case Narrative

SCS Engineers, Inc.  
GSA – SLOP - Investigation  
Job #: 249132-30 and 35  
Explosives

1. STL Chicago uses the following HPLC systems for analysis of Nitroaromatics and Nitramines:

<u>ID#</u>	<u>INSTRUMENT</u>	<u>COLUMN TYPE</u>	<u>DETECTOR</u>
35	Agilent 1100	C-18	UV – 254nm

2. These samples were extracted and analyzed for explosives based on SW846 method 8330. These samples were analyzed at 1/5 due to sample matrix, therefore the reporting limits are elevated to reflect this necessary dilution.
3. All required holding times were met for the extraction and analysis.
4. The method blank was below the reporting limit for all target compounds.
5. The surrogate compound used for this analysis was 1,2-Dinitrobenzene (1,2-DNB). All surrogate recoveries were within statistical control limits.
6. All blank spike recoveries were within statistical control limits.
7. A matrix spike and a matrix spike duplicate were not performed on these samples.
8. All initial and continuing standard calibrations associated with these samples were in control on the primary column (C18).
9. Target compounds were not detected in the primary analysis. Therefore, a second column confirmation was not required.

(b) (6)

Brenda J. Thompson  
Organics Supervisor

10-26-06  
Date

STL Chicago is part of Severn Trent Laboratories, Inc.

S A M P L E I N F O R M A T I O N  
Date: 10/27/2006

Job Number.: 249132  
Customer...: SCS Engineers, Inc.  
Attn.....: David Brewer

Project Number.....: 20006654  
Customer Project ID....: GSA - SLOP  
Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
249132-1	102FLOOR2WS101	Wipe	10/11/2006	15:45	10/13/2006	10:00
249132-2	102FLOOR2WS102	Wipe	10/11/2006	15:55	10/13/2006	10:00
249132-3	102FLOOR2WS103	Wipe	10/11/2006	16:10	10/13/2006	10:00
249132-4	102FLOOR2WS104	Wipe	10/11/2006	16:20	10/13/2006	10:00
249132-5	102FLOOR2WS105	Wipe	10/11/2006	16:25	10/13/2006	10:00
249132-6	102FLOOR2WS106	Wipe	10/11/2006	16:30	10/13/2006	10:00
249132-7	102FLOOR2WS107	Wipe	10/11/2006	16:35	10/13/2006	10:00
249132-8	102FLOOR2WS108	Wipe	10/11/2006	16:45	10/13/2006	10:00
249132-9	102FLOOR2WS109	Wipe	10/11/2006	16:50	10/13/2006	10:00
249132-10	102FLOOR2WS110	Wipe	10/11/2006	17:00	10/13/2006	10:00
249132-11	102FLOOR2WS111	Wipe	10/12/2006	07:55	10/13/2006	10:00
249132-12	102FLOOR2PC111	Solid	10/12/2006	07:55	10/13/2006	10:00
249132-13	102FLOOR2WS112	Wipe	10/12/2006	08:15	10/13/2006	10:00
249132-14	102FLOOR2PC112	Solid	10/12/2006	08:15	10/13/2006	10:00
249132-15	102FLOOR1WS113	Wipe	10/12/2006	08:30	10/13/2006	10:00
249132-16	102FLOOR1PC113	Solid	10/12/2006	08:30	10/13/2006	10:00
249132-17	102FLOOR1WS114	Wipe	10/12/2006	09:00	10/13/2006	10:00
249132-18	102FLOOR1PC114	Solid	10/12/2006	09:00	10/13/2006	10:00
249132-19	102DFLOOR2WS115	Wipe	10/12/2006	09:20	10/13/2006	10:00
249132-20	102DFLOOR2PC115	Solid	10/12/2006	09:20	10/13/2006	10:00
249132-21	102DFLOOR1WS116	Wipe	10/12/2006	09:30	10/13/2006	10:00
249132-22	102DFLOOR1PC116	Solid	10/12/2006	09:30	10/13/2006	10:00
249132-23	102DFLOOR1WS117	Wipe	10/12/2006	09:35	10/13/2006	10:00
249132-24	102DFLOOR1PC117	Solid	10/12/2006	09:35	10/13/2006	10:00
249132-25	102EFLOOR2WS118	Wipe	10/12/2006	09:45	10/13/2006	10:00
249132-26	102EFLOOR2PC118	Solid	10/12/2006	09:45	10/13/2006	10:00

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S A M P L E I N F O R M A T I O N  
Date:

Job Number.: 249132	Project Number.....: 20006654
Customer...: SCS Engineers, Inc.	Customer Project ID....: GSA - SLOP
Attn.....: David Brewer	Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
249132-27	102EFLOOR1WS119	Wipe	10/12/2006	10:00	10/13/2006	10:00
249132-28	102EFLOOR1PC119	Solid	10/12/2006	10:00	10/13/2006	10:00
249132-29	102CSSS101	Soil	10/12/2006	11:45	10/13/2006	10:00
249132-30	102CSSS102	Soil	10/12/2006	12:00	10/13/2006	10:00
249132-31	102CSSS103	Soil	10/12/2006	12:15	10/13/2006	10:00
249132-32	102CSSS104	Soil	10/12/2006	12:25	10/13/2006	10:00
249132-33	102CSSS105	Soil	10/12/2006	12:45	10/13/2006	10:00
249132-34	102CSSS106	Soil	10/12/2006	12:55	10/13/2006	10:00
249132-35	102CSSS107	Soil	10/12/2006	13:05	10/13/2006	10:00
249132-36	102CSSS108	Soil	10/12/2006	13:30	10/13/2006	10:00

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLO0R2MS101  
 Date Sampled.....: 10/11/2006  
 Time Sampled.....: 15:45  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-1  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis										
	Aroclor 1016, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/16/06 2200	bit
	Aroclor 1221, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/16/06 2200	bit
	Aroclor 1232, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/16/06 2200	bit
	Aroclor 1242, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/16/06 2200	bit
	Aroclor 1248, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/16/06 2200	bit
	Aroclor 1254, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/16/06 2200	bit
	Aroclor 1260, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/16/06 2200	bit

\* In Description = Dry Wgt.



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LABORATORY TEST RESULTS

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR2WS102

Laboratory Sample ID: 249132-2

Date Sampled.....: 10/11/2006

Date Received.....: 10/13/2006

Time Sampled.....: 15:55

Time Received.....: 10:00

Sample Matrix.....: Wipe

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis	ND	U								
	Aroclor 1016, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/16/06 2230	bjt
	Aroclor 1221, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/16/06 2230	bjt
	Aroclor 1232, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/16/06 2230	bjt
	Aroclor 1242, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/16/06 2230	bjt
	Aroclor 1248, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/16/06 2230	bjt
	Aroclor 1254, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/16/06 2230	bjt
Aroclor 1260, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/16/06 2230	bjt	

\* In Description = Dry Wgt.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR2WS103  
 Date Sampled.....: 10/11/2006  
 Time Sampled.....: 16:10  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-3  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis Aroclor 1016, Wipe Aroclor 1221, Wipe Aroclor 1232, Wipe Aroclor 1242, Wipe Aroclor 1248, Wipe Aroclor 1254, Wipe Aroclor 1260, Wipe	ND ND ND ND ND ND ND	U U U U U U U		0.32 0.32 0.32 0.32 0.32 0.32 0.32	0.50 0.50 0.50 0.50 0.50 0.50 0.50	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/Wipe ug/Wipe ug/Wipe ug/Wipe ug/Wipe ug/Wipe ug/Wipe	192097 192097 192097 192097 192097 192097 192097		10/16/06 2331 10/16/06 2331 10/16/06 2331 10/16/06 2331 10/16/06 2331 10/16/06 2331 10/16/06 2331	bit bit bit bit bit bit bit

\* In Description = Dry Wgt.

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L A B O R A T O R Y   T E S T   R E S U L T S Date: 10/27/2006

Job Number: 249132

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 102FLOOR2WS104  
 Date Sampled.....: 10/11/2006  
 Time Sampled.....: 16:20  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-4  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis										
	Aroclor 1016, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0001	bjt
	Aroclor 1221, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0001	bjt
	Aroclor 1232, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0001	bjt
	Aroclor 1242, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0001	bjt
	Aroclor 1248, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0001	bjt
	Aroclor 1254, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0001	bjt
	Aroclor 1260, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0001	bjt

\* In Description = Dry Wgt.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR2MS105  
 Date Sampled.....: 10/11/2006  
 Time Sampled.....: 16:25  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-5  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis											
	Aroclor 1016, Wipe	ND		U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0031	bjt
	Aroclor 1221, Wipe	ND		U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0031	bjt
	Aroclor 1232, Wipe	ND		U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0031	bjt
	Aroclor 1242, Wipe	ND		U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0031	bjt
	Aroclor 1248, Wipe	ND		U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0031	bjt
	Aroclor 1254, Wipe	ND		U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0031	bjt
Aroclor 1260, Wipe	6.0				3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0031	bjt

\* In Description = Dry Wgt.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA -- SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR2ws106  
 Date Sampled.....: 10/11/2006  
 Time Sampled.....: 16:30  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-6  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0141	bjt
	Aroclor 1016, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0141	bjt
	Aroclor 1221, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0141	bjt
	Aroclor 1232, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0141	bjt
	Aroclor 1242, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0141	bjt
	Aroclor 1248, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0141	bjt
	Aroclor 1254, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0141	bjt
	Aroclor 1260, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0141	bjt

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR2MS107  
 Date Sampled.....: 10/11/2006  
 Time Sampled.....: 16:35  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-7  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis										
	Aroclor 1016, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0211	bit
	Aroclor 1221, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0211	bit
	Aroclor 1232, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0211	bit
	Aroclor 1242, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0211	bit
	Aroclor 1248, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0211	bit
	Aroclor 1254, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0211	bit
	Aroclor 1260, Wipe	ND	U	0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0211	bit

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Date: 10/27/2006

Job Number: 249132

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer

Customer Sample ID: 102FLOOR2WS108 Laboratory Sample ID: 249132-8  
 Date Sampled: 10/11/2006 Date Received: 10/13/2006  
 Time Sampled: 16:45 Time Received: 10:00  
 Sample Matrix: Wipe

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0242	bjt
	Aroclor 1016, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0242	bjt
	Aroclor 1221, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0242	bjt
	Aroclor 1232, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0242	bjt
	Aroclor 1242, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0242	bjt
	Aroclor 1248, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0242	bjt
	Aroclor 1254, Wipe	ND	U	3.2	5.0	10.0000	ug/Wipe	192097		10/17/06 0242	bjt
Aroclor 1260, Wipe											

\* In Description = Dry Wgt.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR2WS109  
 Date Sampled.....: 10/11/2006  
 Time Sampled.....: 16:50  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-9  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis	ND	U		0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0342	bjt
	Aroclor 1016, Wipe	ND	U		0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0342	bjt
	Aroclor 1221, Wipe	ND	U		0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0342	bjt
	Aroclor 1232, Wipe	ND	U		0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0342	bjt
	Aroclor 1242, Wipe	ND	U		0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0342	bjt
	Aroclor 1248, Wipe	ND	U		0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0342	bjt
	Aroclor 1254, Wipe	ND	U		0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0342	bjt
	Aroclor 1260, Wipe	ND	U		0.32	0.50	1.00000	ug/Wipe	192097		10/17/06 0342	bjt



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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA -- SLOP						
ATTN: David Brewer											
Laboratory Sample ID: 249132-10 Date Received: 10/13/2006 Time Received: 10:00											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis	ND	U	0.32	0.50	1.00000	ug/wipe	192097		10/17/06 04:13	bjt
	Aroclor 1016, Wipe	ND	U	0.32	0.50	1.00000	ug/wipe	192097		10/17/06 04:13	bjt
	Aroclor 1221, Wipe	ND	U	0.32	0.50	1.00000	ug/wipe	192097		10/17/06 04:13	bjt
	Aroclor 1232, Wipe	ND	U	0.32	0.50	1.00000	ug/wipe	192097		10/17/06 04:13	bjt
	Aroclor 1242, Wipe	ND	U	0.32	0.50	1.00000	ug/wipe	192097		10/17/06 04:13	bjt
	Aroclor 1248, Wipe	ND	U	0.32	0.50	1.00000	ug/wipe	192097		10/17/06 04:13	bjt
	Aroclor 1254, Wipe	ND	U	0.32	0.50	1.00000	ug/wipe	192097		10/17/06 04:13	bjt
	Aroclor 1260, Wipe	ND	U	0.32	0.50	1.00000	ug/wipe	192097		10/17/06 04:13	bjt

\* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR2WS111  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 07:55  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-11  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	0.17		0.0061	0.020	1	ug/Wipe	191932		10/19/06 1504	gok

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA -- SLOP						
ATTN: David Brewer											
Customer Sample ID: 102FLOOR2PC111					Laboratory Sample ID: 249132-12						
Date Sampled: 10/12/2006					Date Received: 10/13/2006						
Time Sampled: 07:55					Time Received: 10:00						
Sample Matrix: Solid											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	6.4		0.30	1.6	50	mg/kg	191485		10/17/06 0959	daj

\* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR2WS112  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 08:15  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-13  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	0.13		0.0061	0.020	1	ug/wipe	191932		10/19/06 1506	gok

\* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
Customer Sample ID: 102FLOOR2PC112 Date Sampled: 10/12/2006 Time Sampled: 08:15 Sample Matrix: Solid					Laboratory Sample ID: 249132-14 Date Received: 10/13/2006 Time Received: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	1.8		0.12	0.66	20	mg/Kg	191485		10/17/06 1001	daj

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102FLOOR1WS113  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 08:30  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-15  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	0.072		0.0061	0.020	1	ug/Mtpe	191932		10/19/06 1508	gok

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
ATTN: David Brewer											
Customer Sample ID: 102FLOOR1PC113					Laboratory Sample ID: 249132-16						
Date Sampled.....: 10/12/2006					Date Received.....: 10/13/2006						
Time Sampled.....: 08:30					Time Received.....: 10:00						
Sample Matrix.....: Solid											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	2.5		0.12	0.66	20	mg/Kg	191485		10/17/06 1003	daj

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					ATTN: David Brever						
PROJECT: GSA -- SLOP											
Customer Sample ID: 102FLOOR1WS114					Laboratory Sample ID: 249132-17						
Date Sampled.....: 10/12/2006					Date Received.....: 10/13/2006						
Time Sampled.....: 09:00					Time Received.....: 10:00						
Sample Matrix.....: Wipe											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	2.6		0.061	0.20	10	ug/Wipe	191932		10/19/06 1535	gok

\* In Description = Dry Wgt.



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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
ATTN: David Brewer											
Laboratory Sample ID: 249132-18 Date Received: 10/13/2006 Time Received: 10:00											
Customer Sample ID: 102FLOORIPC114 Date Sampled: 10/12/2006 Time Sampled: 09:00 Sample Matrix: Solid											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	16		0.61	3.3	100	mg/Kg	191485		10/17/06 1005	daj

\* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102DFLOOR2WS115  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 09:20  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-19  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	0.047		0.0061	0.020	1	ug/Wipe	191932		10/19/06 1517	gok

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
Customer Sample ID: 102DFLOOR2PC115 Date Sampled: 10/12/2006 Time Sampled: 09:20 Sample Matrix: Solid					Laboratory Sample ID: 249132-20 Date Received: 10/13/2006 Time Received: 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	1.2		0.061	0.33	10	mg/Kg	191485		10/17/06 1007	daj

\* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102DFLOOR1WS116  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 09:30  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-21  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	0.14		0.0061	0.020	1	ug/Wipe	191932		10/19/06 1519	gok

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
ATTN: David Brewer											
Customer Sample ID: 102DFLOOR1PC116					Laboratory Sample ID: 249132-22						
Date Sampled: 10/12/2006					Date Received: 10/13/2006						
Time Sampled: 09:30					Time Received: 10:00						
Sample Matrix: Solid											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	6.1		0.30	1.6	50	mg/kg	191485		10/17/06 1014	daj

\* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102DFLOOR1WS117  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 09:35  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-23  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	0.080		0.0061	0.020	1	ug/Wipe	191932		10/19/06 1521	gok

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					ATTN: David Brewer						
PROJECT: GSA - SLOP											
Customer Sample ID: 102DFLOOR1PC117					Laboratory Sample ID: 249132-24						
Date Sampled: 10/12/2006					Date Received: 10/13/2006						
Time Sampled: 09:35					Time Received: 10:00						
Sample Matrix: Solid											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	21		0.61	3.3	100	mg/kg	191485		10/17/06 1016	daj

\* In Description = Dry Wgt.

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L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102EFL00R2WS118  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 09:45  
 Sample Matrix.....: Wipe

Laboratory Sample ID: 249132-25  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	0.060		0.0061	0.020	1	ug/Wipe	191932		10/19/06 1523	gok

\* In Description = Dry Wgt.



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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA -- SLOP						
ATTN: David Brewer											
Customer Sample ID: 102EFLOOR2PC118					Laboratory Sample ID: 249132-26						
Date Sampled: 10/12/2006					Date Received: 10/13/2006						
Time Sampled: 09:45					Time Received: 10:00						
Sample Matrix: Solid											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	1.2		0.061	0.33	10	mg/kg	191485		10/17/06 1018	daj

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
ATTN: David Brewer											
Customer Sample ID: 102EFLOOR1WS119					Laboratory Sample ID: 249132-27						
Date Sampled.....: 10/12/2006					Date Received.....: 10/13/2006						
Time Sampled.....: 10:00					Time Received.....: 10:00						
Sample Matrix.....: Wipe											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Wipe	0.21		0.0061	0.020	1	ug/Wipe	191932		10/19/06 1526	gok

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					PROJECT: GSA - SLOP						
ATTN: David Brewer											
Customer Sample ID: 102EFL00R1PC119					Laboratory Sample ID: 249132-28						
Date Sampled.....: 10/12/2006					Date Received.....: 10/13/2006						
Time Sampled.....: 10:00					Time Received.....: 10:00						
Sample Matrix.....: Solid											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	9.5		0.30	1.6	50	mg/Kg	191485		10/17/06 1020	daj

\* In Description = Dry Wgt.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102C555101  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 11:45  
 Sample Matrix.....: Soil

Laboratory Sample ID: 249132-29  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	97.8		0.10	0.10	1	%	191285		10/13/06 2039	clb
	% Solids, Solid	2.2		0.10	0.10	1	%	191285		10/13/06 2039	clb
	% Moisture, Solid										
7471A	Mercury (CVAA) Solids	0.017	B	0.0062	0.034	1	mg/Kg	191485		10/17/06 1022	daj
	Mercury, Solid*										
6010B	Metals Analysis (ICAP Trace)	4700		0.21	0.97	1	mg/Kg	191568		10/18/06 2000	tds
	Copper, Solid*	250		0.24	0.49	1	mg/Kg	191568		10/18/06 2000	tds
	Lead, Solid*	1800		1.3	1.9	1	mg/Kg	191568		10/18/06 2000	tds
	Zinc, Solid*										

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc.					ATTN: David Brewer						
PROJECT: GSA - SLOP					Laboratory Sample ID: 249132-30						
Customer Sample ID: 102CSSS102					Date Received: 10/13/2006						
Date Sampled: 10/12/2006					Time Received: 10:00						
Time Sampled: 12:00					Sample Matrix: Soil						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	88.4		0.10	0.10	1	%	191285		10/13/06 2042	clb
	% Solids, Solid	11.6		0.10	0.10	1	%	191285		10/13/06 2042	clb
8330	% Moisture, Solid										
	Explosives by 8330 (HPLC)										
	HMX, Solid	ND	U	150	1000	5.00000	ug/Kg	192059		10/26/06 0108	san
	RDX, Solid	ND	U	170	1000	5.00000	ug/Kg	192059		10/26/06 0108	san
	1,3,5-Trinitrobenzene, Solid	ND	U	72	500	5.00000	ug/Kg	192059		10/26/06 0108	san
	1,3-Dinitrobenzene, Solid	ND	U	25	500	5.00000	ug/Kg	192059		10/26/06 0108	san
	Nitrobenzene, Solid	ND	U	84	500	5.00000	ug/Kg	192059		10/26/06 0108	san
	2,4,6-TNT, Solid	ND	U	76	500	5.00000	ug/Kg	192059		10/26/06 0108	san
	Tetryl, Solid	ND	U	580	1200	5.00000	ug/Kg	192059		10/26/06 0108	san
	2,4-Dinitrotoluene, Solid	ND	U	72	500	5.00000	ug/Kg	192059		10/26/06 0108	san
	2,6-Dinitrotoluene, Solid	ND	U	130	1000	5.00000	ug/Kg	192059		10/26/06 0108	san
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U	60	1000	5.00000	ug/Kg	192059		10/26/06 0108	san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U	430	1000	5.00000	ug/Kg	192059		10/26/06 0108	san
	2-Nitrotoluene, Solid	ND	U	160	1000	5.00000	ug/Kg	192059		10/26/06 0108	san
	4-Nitrotoluene, Solid	ND	U	150	1000	5.00000	ug/Kg	192059		10/26/06 0108	san
	3-Nitrotoluene, Solid	ND	U	160	1000	5.00000	ug/Kg	192059		10/26/06 0108	san
7471A	Mercury (CVAA) Solids	0.10		0.0069	0.037	1	mg/Kg	191485		10/17/06 1024	daj
	Mercury, Solid <sup>dx</sup>										

\* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Customer Sample ID: 102CSSS103  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 12:15  
 Sample Matrix.....: Soil

Laboratory Sample ID: 249132-31  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics	ND	U	36	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Naphthalene, 3541 Low Solid*	ND	U	35	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Acenaphthylene, 3541 Low Solid*		J	34	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Acenaphthene, 3541 Low Solid*	75	J	34	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Fluorene, 3541 Low Solid*	62	J	29	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Phenanthrene, 3541 Low Solid*	1500		38	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Anthracene, 3541 Low Solid*	310		33	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Fluoranthene, 3541 Low Solid*	3800		40	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Pyrene, 3541 Low Solid*	2700		35	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Benzo(a)anthracene, 3541 Low Solid*	1900		36	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Chrysene, 3541 Low Solid*	1700		44	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Benzo(b)fluoranthene, 3541 Low Solid*	1600		50	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Benzo(k)fluoranthene, 3541 Low Solid*	2000		20	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Benzo(a)pyrene, 3541 Low Solid*	1700		36	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	1100		36	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	460		48	180	5.00000	ug/Kg	191987		10/20/06	1623 glr
Benzo(ghi)perylene, 3541 Low Solid*	1300										
Method	% Solids Determination	91.6		0.10	0.10	1	%	191285		10/13/06	2045 clb
	% Solids, Solid	8.4		0.10	0.10	1	%	191285		10/13/06	2045 clb
	% Moisture, Solid										
7471A	Mercury (CVAA) Solids	0.15		0.0067	0.036	1	mg/Kg	191485		10/17/06	1026 dej
	Mercury, Solid*										
6010B	Metals Analysis (ICAP Trace)	2900		0.25	0.50	1	mg/Kg	191568		10/18/06	2004 tds
	Lead, Solid*										

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc. PROJECT: GSA -- SLOP ATTN: David Brewer											
Customer Sample ID: 102C55S104 Date Sampled: 10/12/2006 Time Sampled: 12:25 Sample Matrix: Soil											
Laboratory Sample ID: 249132-32 Date Received: 10/13/2006 Time Received: 10:00											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics	3000	*	71	360	10.00000	ug/kg	191987		10/20/06 1725	glr
	Naphthalene, 3541 Low Solid*	960		70	360	10.00000	ug/kg	191987		10/20/06 1725	glr
	Acenaphthylene, 3541 Low Solid*	8200		69	360	10.00000	ug/kg	191987		10/20/06 1725	glr
	Fluorene, 3541 Low Solid*	6300		68	360	10.00000	ug/kg	191987		10/20/06 1725	glr
	Phenanthrene, 3541 Low Solid*	110000		570	3600	100.00000	ug/kg	191987	D1	10/24/06 2010	glr
	Anthracene, 3541 Low Solid*	16000		76	360	10.00000	ug/kg	191987		10/20/06 1725	glr
	Fluoranthene, 3541 Low Solid*	120000		670	3600	100.00000	ug/kg	191987	D1	10/24/06 2010	glr
	Pyrene, 3541 Low Solid*	110000		810	3600	100.00000	ug/kg	191987	D1	10/24/06 2010	glr
	Benzo(a)anthracene, 3541 Low Solid*	48000		700	3600	100.00000	ug/kg	191987	D1	10/24/06 2010	glr
	Chrysene, 3541 Low Solid*	60000		720	3600	100.00000	ug/kg	191987	D1	10/24/06 2010	glr
	Benzo(b)fluoranthene, 3541 Low Solid*	50000		880	3600	100.00000	ug/kg	191987	D1	10/24/06 2010	glr
	Benzo(k)fluoranthene, 3541 Low Solid*	17000	M	99	360	10.00000	ug/kg	191987		10/20/06 1725	glr
	Benzo(a)pyrene, 3541 Low Solid*	42000	M	410	3600	100.00000	ug/kg	191987	D1	10/24/06 2010	glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	20000		71	360	10.00000	ug/kg	191987		10/20/06 1725	glr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	4000	H	72	360	10.00000	ug/kg	191987		10/20/06 1725	glr
	Benzo(ghi)perylene, 3541 Low Solid*	23000		96	360	10.00000	ug/kg	191987		10/20/06 1725	glr
Method	% Solids Determination	89.3		0.10	0.10	1	%	191285		10/13/06 2048	clb
	% Solids, Solid	10.7		0.10	0.10	1	%	191285		10/13/06 2048	clb
	% Moisture, Solid										
7471A	Mercury (CVAA) Solids	0.12		0.0068	0.037	1	mg/kg	191485		10/17/06 1028	daj
	Mercury, Solid*										
6010B	Metals Analysis (ICAP Trace)	2300		0.27	0.54	1	mg/kg	191568		10/18/06 2009	tds
	Lead, Solid*										

\* In Description = Dry Wgt.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA -- SLOP

ATTN: David Brewer

Customer Sample ID: 102C555105  
 Date Sampled.....: 10/12/2006  
 Time Sampled.....: 12:45  
 Sample Matrix.....: Soil

Laboratory Sample ID: 249132-33  
 Date Received.....: 10/13/2006  
 Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics Naphthalene, 3541 Low Solid* Acenaphthylene, 3541 Low Solid* Acenaphthene, 3541 Low Solid* Fluorene, 3541 Low Solid* Phenanthrene, 3541 Low Solid* Anthracene, 3541 Low Solid* Fluoranthene, 3541 Low Solid* Pyrene, 3541 Low Solid* Benzo(a)anthracene, 3541 Low Solid* Chrysene, 3541 Low Solid* Benzo(b)fluoranthene, 3541 Low Solid* Benzo(k)fluoranthene, 3541 Low Solid* Benzo(a)pyrene, 3541 Low Solid* Indeno(1,2,3-cd)pyrene, 3541 Low Solid* Dibenzo(a,h)anthracene, 3541 Low Solid* Benzo(ghi)perylene, 3541 Low Solid*	ND 31 24 25 480 100 950 790 520 510 460 510 510 330 81 420	U J J J	* a a a	7.3 7.2 7.1 7.0 5.9 7.9 6.9 8.3 7.2 7.4 9.1 10 4.2 7.3 7.4 9.9	37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	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	191987 191987 191987 191987 191987 191987 191987 191987 191987 191987 191987 191987 191987 191987 191987 191987		10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr 10/20/06 1746 glr	
Method	% Solids Determination % Solids, Solid % Moisture, Solid	88.8 11.2			0.10 0.10	0.10 0.10	1 1	% %	191285 191285		10/13/06 2051 clb 10/13/06 2051 clb	clb clb
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Copper, Solid* Silver, Solid*	2.7 27 0.97			0.38 0.22 0.10	1.0 1.0 0.51	1 1 1	mg/Kg mg/Kg mg/Kg	191568 191568 191568		10/18/06 2013 tds 10/18/06 2013 tds 10/18/06 2013 tds	tds tds tds

\* In Description = Dry Wgt.



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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer											
Customer Sample ID: 102C55S106 Date Sampled: 10/12/2006 Time Sampled: 12:55 Sample Matrix: Soil											
Laboratory Sample ID: 249132-34 Date Received: 10/13/2006 Time Received: 10:00											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics	42	J	34	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Naphthalene, 3541 Low Solid*	61	J	33	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Acenaphthylene, 3541 Low Solid*	870		33	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Fluorene, 3541 Low Solid*	660		32	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Phenanthrene, 3541 Low Solid*	11000		27	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Anthracene, 3541 Low Solid*	2100		36	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Fluoranthene, 3541 Low Solid*	17000		63	340	10.00000	ug/kg	191987	D1	10/24/06 2035	glr
	Pyrene, 3541 Low Solid*	13000		38	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Benzo(a)anthracene, 3541 Low Solid*	7300		33	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Chrysene, 3541 Low Solid*	6700		34	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Benzo(b)fluoranthene, 3541 Low Solid*	7300		42	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Benzo(k)fluoranthene, 3541 Low Solid*	4100	M	47	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Benzo(a)pyrene, 3541 Low Solid*	6200	M	19	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	3800		34	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Dibenz(a,h)anthracene, 3541 Low Solid*	920		34	170	5.00000	ug/kg	191987		10/20/06 1807	glr
	Benzo(ghi)perylene, 3541 Low Solid*	4800		46	170	5.00000	ug/kg	191987		10/20/06 1807	glr
Method	% Solids Determination	93.4		0.10	0.10	1	%	191285		10/13/06 2053	clb
	% Solids, Solid	6.6		0.10	0.10	1	%	191285		10/13/06 2053	clb
	% Moisture, Solid										
7471A	Mercury (CVAA) Solids	0.87		0.065	0.35	10	mg/Kg	191485		10/17/06 1050	daj
	Mercury, Solid*										
6010B	Metals Analysis (ICAP Trace)	1300		0.24	0.49	1	mg/Kg	191568		10/18/06 2018	tds
	Lead, Solid*										

\* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249132			Date: 10/27/2006								
CUSTOMER: SCS Engineers, Inc.			ATTN: David Brewer								
PROJECT: GSA -- SLOP			Laboratory Sample ID: 249132-35								
Customer Sample ID: 102C55S107			Date Received: 10/13/2006								
Date Sampled: 10/12/2006			Time Received: 10:00								
Time Sampled: 13:05			Sample Matrix: Soil								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination	99.8		0.10	0.10	1	%	191285		10/13/06	2056 clb
	% Solids, Solid	0.20		0.10	0.10	1	%	191285		10/13/06	2056 clb
	% Moisture, Solid										
8330	Explosives by 8330 (HPLC)										
	HMX, Solid	ND	U	150	1000	5.00000	ug/kg	192059		10/26/06	0140 san
	RDX, Solid	ND	U	170	1000	5.00000	ug/kg	192059		10/26/06	0140 san
	1,3,5-Trinitrobenzene, Solid	ND	U	72	500	5.00000	ug/kg	192059		10/26/06	0140 san
	1,3-Dinitrobenzene, Solid	ND	U	25	500	5.00000	ug/kg	192059		10/26/06	0140 san
	Nitrobenzene, Solid	ND	U	84	500	5.00000	ug/kg	192059		10/26/06	0140 san
	2,4,6-TNT, Solid	ND	U	76	500	5.00000	ug/kg	192059		10/26/06	0140 san
	Tetryl, Solid	ND	U	580	1200	5.00000	ug/kg	192059		10/26/06	0140 san
	2,4-Dinitrotoluene, Solid	ND	U	72	500	5.00000	ug/kg	192059		10/26/06	0140 san
	2,6-Dinitrotoluene, Solid	ND	U	130	1000	5.00000	ug/kg	192059		10/26/06	0140 san
	2-Amino-4,6-Dinitrotoluene, Solid	ND	U	60	1000	5.00000	ug/kg	192059		10/26/06	0140 san
	4-Amino-2,6-Dinitrotoluene, Solid	ND	U	430	1000	5.00000	ug/kg	192059		10/26/06	0140 san
	2-Nitrotoluene, Solid	ND	U	160	1000	5.00000	ug/kg	192059		10/26/06	0140 san
	4-Nitrotoluene, Solid	ND	U	150	1000	5.00000	ug/kg	192059		10/26/06	0140 san
	3-Nitrotoluene, Solid	ND	U	160	1000	5.00000	ug/kg	192059		10/26/06	0140 san
7471A	Mercury (CVAA) Solids	0.086		0.0061	0.033	1	mg/kg	191485		10/17/06	1044 daj
	Mercury, Solid*										

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LABORATORY TEST RESULTS											
Job Number: 249132					Date: 10/27/2006						
CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer											
Laboratory Sample ID: 249132-36 Date Received: 10/13/2006 Time Received: 10:00											
Customer Sample ID: 102CSSS108 Date Sampled: 10/12/2006 Time Sampled: 13:30 Sample Matrix: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics	24	J	7.0	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Naphthalene, 3541 Low Solid*	59		6.9	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Acenaphthylene, 3541 Low Solid*	210		6.8	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Acenaphthene, 3541 Low Solid*	140		6.7	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Fluorene, 3541 Low Solid*	2800		5.7	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Phenanthrene, 3541 Low Solid*	590		7.6	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Anthracene, 3541 Low Solid*	6500		66	350	10.00000	ug/Kg	191987	D1	10/24/06	2100 glr
	Fluoranthene, 3541 Low Solid*	5600		80	350	10.00000	ug/Kg	191987	D1	10/24/06	2100 glr
	Benzo(a)anthracene, 3541 Low Solid*	2700		6.9	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Chrysene, 3541 Low Solid*	2300		7.1	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Benzo(b)fluoranthene, 3541 Low Solid*	2600	H	8.7	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Benzo(k)fluoranthene, 3541 Low Solid*	1500	M	9.8	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Benzo(a)pyrene, 3541 Low Solid*	2200	M	4.1	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Indeno(1,2,3-cd)pyrene, 3541 Low Solid*	1400	H	7.0	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Dibenzo(a,h)anthracene, 3541 Low Solid*	620	H	7.1	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
	Benzo(ghi)perylene, 3541 Low Solid*	1900	H	9.5	35	1.00000	ug/Kg	191987		10/20/06	1828 glr
Method	% Solids Determination	91.1		0.10	0.10	1	%	191285		10/13/06	2059 clb
	% Solids, Solid	8.9		0.10	0.10	1	%	191285		10/13/06	2059 clb
	% Moisture, Solid										
6010B	Metals Analysis (ICAP Trace)	5.5		0.40	1.1	1	mg/Kg	191568		10/18/06	2043 tds
	Arsenic, Solid*	220		0.27	0.54	1	mg/Kg	191568		10/18/06	2043 tds
	Lead, Solid*										

\* In Description = Dry Wgt.

## LABORATORY CHRONICLE

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Lab ID:	Client ID:	Date Recvd:	Sample Date:				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
249132-1	102FLOOR2WS101	10/13/2006	10/11/2006				
EDD	Electronic Data Deliverable	1					
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/16/2006 2200	1.00000
249132-2	102FLOOR2WS102	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/16/2006 2230	10.0000
249132-3	102FLOOR2WS103	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/16/2006 2331	1.00000
249132-4	102FLOOR2WS104	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/17/2006 0001	1.00000
249132-5	102FLOOR2WS105	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/17/2006 0031	10.0000
249132-6	102FLOOR2WS106	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/17/2006 0141	1.00000
249132-7	102FLOOR2WS107	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/17/2006 0211	1.00000
249132-8	102FLOOR2WS108	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/17/2006 0242	10.0000
249132-9	102FLOOR2WS109	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/17/2006 0342	1.00000
249132-10	102FLOOR2WS110	10/13/2006	10/11/2006				
3550B	Extraction Ultrasonic (PCBs)	1	191290			10/15/2006 1045	
8082	PCB Analysis	1	192097	191290		10/17/2006 0413	1.00000
249132-11	102FLOOR2WS111	10/13/2006	10/12/2006				
7471A	Mercury (CVAA) Solids	1	191932	192015		10/19/2006 1504	
7470/7471	SW846 Digestion (Hg)	1	192015			10/19/2006 1115	
249132-12	102FLOOR2PC111	10/13/2006	10/12/2006				
7471A	Mercury (CVAA) Solids	1	191485	191484		10/17/2006 0959	50

LABORATORY CHRONICLE				Date: 10/27/2006	
Job Number: 249132		PROJECT: GSA - SLOP		ATTN: David Brewer	
Lab ID: 249132-12	Client ID: 102FLOOR2PC111	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7470/7471	SW846 Digestion (Hg)	1	191484		10/17/2006 0600
DILUTION					
Lab ID: 249132-13	Client ID: 102FLOOR2WS112	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191932	192015	10/19/2006 1506
7470/7471	SW846 Digestion (Hg)	1	192015		10/19/2006 1115
DILUTION					
Lab ID: 249132-14	Client ID: 102FLOOR2PC112	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191485	191484	10/17/2006 1001
7470/7471	SW846 Digestion (Hg)	1	191484		10/17/2006 0600
DILUTION					20
Lab ID: 249132-15	Client ID: 102FLOOR1WS113	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191932	192015	10/19/2006 1508
7470/7471	SW846 Digestion (Hg)	1	192015		10/19/2006 1115
DILUTION					
Lab ID: 249132-16	Client ID: 102FLOOR1PC113	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191485	191484	10/17/2006 1003
7470/7471	SW846 Digestion (Hg)	1	191484		10/17/2006 0600
DILUTION					20
Lab ID: 249132-17	Client ID: 102FLOOR1WS114	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191932	192015	10/19/2006 1535
7470/7471	SW846 Digestion (Hg)	1	192015		10/19/2006 1115
DILUTION					10
Lab ID: 249132-18	Client ID: 102FLOOR1PC114	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191485	191484	10/17/2006 1005
7470/7471	SW846 Digestion (Hg)	1	191484		10/17/2006 0600
DILUTION					100
Lab ID: 249132-19	Client ID: 102DFLOOR2WS115	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191932	192015	10/19/2006 1517
7470/7471	SW846 Digestion (Hg)	1	192015		10/19/2006 1115
DILUTION					
Lab ID: 249132-20	Client ID: 102DFLOOR2PC115	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191485	191484	10/17/2006 1007
7470/7471	SW846 Digestion (Hg)	1	191484		10/17/2006 0600
DILUTION					10
Lab ID: 249132-21	Client ID: 102DFLOOR1WS116	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191932	192015	10/19/2006 1519
7470/7471	SW846 Digestion (Hg)	1	192015		10/19/2006 1115
DILUTION					
Lab ID: 249132-22	Client ID: 102DFLOOR1PC116	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191485	191484	10/17/2006 1014
7470/7471	SW846 Digestion (Hg)	1	191484		10/17/2006 0600
DILUTION					50
Lab ID: 249132-23	Client ID: 102DFLOOR1WS117	Date Recvd: 10/13/2006	Sample Date: 10/12/2006		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED
7471A	Mercury (CVAA) Solids	1	191932	192015	10/19/2006 1521
DILUTION					

## LABORATORY CHRONICLE

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Lab ID	Client ID	Date Recvd	Sample Date			DILUTION
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
249132-23	102DFLOOR1WS117	10/13/2006	10/12/2006			
7470/7471	SW846 Digestion (Hg)	1	192015			1115
249132-24	102DFLOOR1PC117	10/13/2006	10/12/2006			
7471A	Mercury (CVAA) Solids	1	191485	191484		1016
7470/7471	SW846 Digestion (Hg)	1	191484			0600
249132-25	102EFLOOR2WS118	10/13/2006	10/12/2006			
7471A	Mercury (CVAA) Solids	1	191932	192015		1523
7470/7471	SW846 Digestion (Hg)	1	192015			1115
249132-26	102EFLOOR2PC118	10/13/2006	10/12/2006			
7471A	Mercury (CVAA) Solids	1	191485	191484		1018
7470/7471	SW846 Digestion (Hg)	1	191484			0600
249132-27	102EFLOOR1WS119	10/13/2006	10/12/2006			
7471A	Mercury (CVAA) Solids	1	191932	192015		1526
7470/7471	SW846 Digestion (Hg)	1	192015			1115
249132-28	102EFLOOR1PC119	10/13/2006	10/12/2006			
7471A	Mercury (CVAA) Solids	1	191485	191484		1020
7470/7471	SW846 Digestion (Hg)	1	191484			0600
249132-29	102CSSS101	10/13/2006	10/12/2006			
Method	% Solids Determination	1	191285	191285		2039
3050B	Acid Digestion: Solids (ICAP)	1	191439			1920
7471A	Mercury (CVAA) Solids	1	191485	191484		1022
6010B	Metals Analysis (ICAP Trace)	1	191568	191439		2000
7470/7471	SW846 Digestion (Hg)	1	191484			0600
249132-30	102CSSS102	10/13/2006	10/12/2006			
Method	% Solids Determination	1	191285	191285		2042
8330	8330 Extraction (Explosives)	1	191908			1415
8330	Explosives by 8330 (HPLC)	1	192059	191908		0108
7471A	Mercury (CVAA) Solids	1	191485	191484		1024
7470/7471	SW846 Digestion (Hg)	1	191484			0600
249132-31	102CSSS103	10/13/2006	10/12/2006			
Method	% Solids Determination	1	191285	191285		2045
3050B	Acid Digestion: Solids (ICAP)	1	191439			1920
3541	Extraction Soxhlet (SVOC)	1	191434			1730
7471A	Mercury (CVAA) Solids	1	191485	191484		1026
6010B	Metals Analysis (ICAP Trace)	1	191568	191439		2004
7470/7471	SW846 Digestion (Hg)	1	191484			0600
8270C	Semivolatile Organics	1	191987	191434		1623
249132-32	102CSSS104	10/13/2006	10/12/2006			
Method	% Solids Determination	1	191285	191285		2048

## LABORATORY CHRONICLE

Job Number: 249132

Date: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Lab ID: 249132-32	Client ID: 102CSSS104	Date Recvd: 10/13/2006	Sample Date: 10/12/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
3050B	Acid Digestion: Solids (ICAP)	1	191439			10/17/2006	1920
3541	Extraction Soxhlet (SVOC)	1	191434			10/17/2006	1730
7471A	Mercury (CVAA) Solids	1	191485	191484		10/17/2006	1028
6010B	Metals Analysis (ICAP Trace)	1	191568	191439		10/18/2006	2009
7470/7471	SW846 Digestion (Hg)	1	191484			10/17/2006	0600
8270C	Semivolatiles Organics	1	191987	191434		10/20/2006	1725 10.0000
8270C	Semivolatiles Organics	1	191987	191434		10/24/2006	2010 100.0000
Lab ID: 249132-33	Client ID: 102CSSS105	Date Recvd: 10/13/2006	Sample Date: 10/12/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	191285	191285		10/13/2006	2051
3050B	Acid Digestion: Solids (ICAP)	1	191439			10/17/2006	1920
3541	Extraction Soxhlet (SVOC)	1	191434			10/17/2006	1730
6010B	Metals Analysis (ICAP Trace)	1	191568	191439		10/18/2006	2013
8270C	Semivolatiles Organics	1	191987	191434		10/20/2006	1746 1.00000
Lab ID: 249132-34	Client ID: 102CSSS106	Date Recvd: 10/13/2006	Sample Date: 10/12/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	191285	191285		10/13/2006	2053
3050B	Acid Digestion: Solids (ICAP)	1	191439			10/17/2006	1920
3541	Extraction Soxhlet (SVOC)	1	191434			10/17/2006	1730
7471A	Mercury (CVAA) Solids	1	191485	191484		10/17/2006	1050 10
6010B	Metals Analysis (ICAP Trace)	1	191568	191439		10/18/2006	2018
7470/7471	SW846 Digestion (Hg)	1	191484			10/17/2006	0600
8270C	Semivolatiles Organics	1	191987	191434		10/20/2006	1807 5.00000
8270C	Semivolatiles Organics	1	191987	191434		10/24/2006	2035 10.0000
Lab ID: 249132-35	Client ID: 102CSSS107	Date Recvd: 10/13/2006	Sample Date: 10/12/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	191285	191285		10/13/2006	2056
8330	8330 Extraction (Explosives)	1	191908			10/24/2006	1415
8330	Explosives by 8330 (HPLC)	1	192059	191908		10/26/2006	0140 5.00000
7471A	Mercury (CVAA) Solids	1	191485	191484		10/17/2006	1044
7470/7471	SW846 Digestion (Hg)	1	191484			10/17/2006	0600
Lab ID: 249132-36	Client ID: 102CSSS108	Date Recvd: 10/13/2006	Sample Date: 10/12/2006				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
Method	% Solids Determination	1	191285	191285		10/13/2006	2059
3050B	Acid Digestion: Solids (ICAP)	1	191439			10/17/2006	1920
3541	Extraction Soxhlet (SVOC)	1	191434			10/17/2006	1730
6010B	Metals Analysis (ICAP Trace)	1	191568	191439		10/18/2006	2043
8270C	Semivolatiles Organics	1	191987	191434		10/20/2006	1828 1.00000
8270C	Semivolatiles Organics	1	191987	191434		10/24/2006	2100 10.0000

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Job Number.: 249132      S U R R O G A T E   R E C O V E R I E S   R E P O R T      Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.      PROJECT: GSA - SLOP      ATTN: David Brewer

Method.....: PCB Analysis      Test Matrix...: Wipe      Prep Batch..: 191290  
 Method Code...: 8082      Batch(s).....: 192097

Lab ID	DT	Sample ID	Date	DCB	TCX
LCD			10/16/2006	85	92
LCS			10/16/2006	89	94
MB			10/16/2006	87	87
249132- 1		102FLOOR2WS101	10/16/2006	85	91
249132- 2		102FLOOR2WS102	10/16/2006	106	91
249132- 3		102FLOOR2WS103	10/16/2006	85	88
249132- 4		102FLOOR2WS104	10/17/2006	87	92
249132- 5		102FLOOR2WS105	10/17/2006	110	86
249132- 6		102FLOOR2WS106	10/17/2006	83	84
249132- 7		102FLOOR2WS107	10/17/2006	88	91
249132- 8		102FLOOR2WS108	10/17/2006	106	92
249132- 9		102FLOOR2WS109	10/17/2006	89	92
249132- 10		102FLOOR2WS110	10/17/2006	87	89

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	56 - 178
TCX	Tetrachloro-m-xylene (surr)	58 - 119



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Job Number.: 249132	SURROGATE RECOVERIES REPORT	Report Date.: 10/27/2006
CUSTOMER: SCS Engineers, Inc.	PROJECT: GSA - SLOP	ATTN: David Brewer

Method.....: Semivolatile Organics	Test Matrix...: 3541 Low Solid	Prep Batch...: 191434
Method Code...: 8270	Batch(s).....: 191987	

Lab ID	DT	Sample ID	Date	2FLUBP	NITRD5	TERD14
LCS			10/18/2006	62	21*	95
MB			10/18/2006	78	82	88
249132- 31		102C55S103	10/20/2006	73	35	90
249132- 31 MS		102C55S103	10/20/2006	80	73	95
249132- 31 MSD		102C55S103	10/20/2006	81	69	98
249132- 32		102C55S104	10/20/2006	84	56	115
249132- 32	D1	102C55S104	10/24/2006	0	D 0	D 0
249132- 33		102C55S105	10/20/2006	52	26*	87
249132- 34		102C55S106	10/20/2006	78	56	96
249132- 34	D1	102C55S106	10/24/2006	90	64	120*
249132- 36		102C55S108	10/20/2006	56	53	84
249132- 36	D1	102C55S108	10/24/2006	79	67	115

Test	Test Description	Limits
2FLUBP	2-Fluorobiphenyl (surr)	44 - 103
NITRD5	Nitrobenzene-d5 (surr)	34 - 100
TERD14	Terphenyl-d14 (surr)	41 - 116

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number.: 249132

SURROGATE RECOVERIES REPORT

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Method.....: Explosives by 8330 (HPLC)  
Method Code...: 8330

Test Matrix...: Solid  
Batch(s).....: 192059

Prep Batch..: 191908

Lab ID	DT	Sample ID	Date	12DNBZ
LCS			10/26/2006	95
MB			10/26/2006	97
249132- 30		102CSSS102	10/26/2006	116
249132- 35		102CSSS107	10/26/2006	97

Test	Test Description	Limits
12DNBZ	1,2-Dinitrobenzene (surr)	80 - 121

QUALITY CONTROL RESULTS

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082  
Method Description.: PCB Analysis

Equipment Code....: INST3738  
Batch.....: 192097

Analyst...: bjt

LCD	Laboratory Control Sample Duplicate	06JWLPCBA	191290-003		10/16/2006	2130
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aroclor 1016, Wipe	ug/Wipe	4.378400	4.527000	5.001000	0.320000 U	88	% 62-108	
						3	R 30	
Aroclor 1260, Wipe	ug/Wipe	4.431800	4.594500	5.010000	0.320000 U	88	% 67-115	
						4	R 30	

Job Number.: 249132

Q U A L I T Y   C O N T R O L   R E S U L T S

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082

Equipment Code.....: INST3738

Analyst....: bjt

Method Description.: PCB Analysis

Batch.....: 192097

LCS	Laboratory Control Sample	06JWLPCBA	191290-002		10/16/2006	2059
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aroclor 1016, Wipe	ug/Wipe	4.527000		5.001000	0.320000	U 91	% 62-108	
Aroclor 1260, Wipe	ug/Wipe	4.594500		5.010000	0.320000	U 92	% 67-115	

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8082  
 Method Description.: PCB Analysis

Equipment Code.....: INST3738  
 Batch.....: 192097

Analyst...: bjt

MB	Method Blank		191290-001		10/16/2006	2029
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aroclor 1016, Wipe	ug/Wipe	0.320000	U					
Aroclor 1221, Wipe	ug/Wipe	0.320000	U					
Aroclor 1232, Wipe	ug/Wipe	0.320000	U					
Aroclor 1242, Wipe	ug/Wipe	0.320000	U					
Aroclor 1248, Wipe	ug/Wipe	0.320000	U					
Aroclor 1254, Wipe	ug/Wipe	0.320000	U					
Aroclor 1260, Wipe	ug/Wipe	0.320000	U					

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8330

Equipment Code....: INST3536

Analyst...: san

Method Description.: Explosives by 8330 (HPLC)

Batch.....: 192059

LCS	Laboratory Control Sample	006JWL833D	191908-002		10/26/2006 0035
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
HMX, Solid	ug/Kg	985.550		935.000	30.200	U 105	%	86-117	
RDX, Solid	ug/Kg	928.150		940.000	33.300	U 99	%	90-115	
1,3,5-Trinitrobenzene, Solid	ug/Kg	957.650		925.000	14.400	U 104	%	82-125	
1,3-Dinitrobenzene, Solid	ug/Kg	931.300		970.000	5.000	U 96	%	86-112	
Nitrobenzene, Solid	ug/Kg	926.800		945.000	16.900	U 98	%	90-109	
2,4,6-TNT, Solid	ug/Kg	861.200		935.000	15.200	U 92	%	67-152	
Tetryl, Solid	ug/Kg	1592.700		1940.000	117.000	U 82	%	60-130	
2,4-Dinitrotoluene, Solid	ug/Kg	921.500		950.000	14.400	U 97	%	87-114	
2,6-Dinitrotoluene, Solid	ug/Kg	1783.650		1960.000	25.400	U 91	%	90-112	
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	883.500		915.000	12.100	U 97	%	90-112	
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	1891.750		1950.000	85.600	U 97	%	88-119	
2-Nitrotoluene, Solid	ug/Kg	1797.650		1925.000	31.800	U 93	%	88-114	
4-Nitrotoluene, Solid	ug/Kg	1825.450		1960.000	30.200	U 93	%	86-114	
3-Nitrotoluene, Solid	ug/Kg	1829.550		1990.000	32.500	U 92	%	89-115	

QUALITY CONTROL RESULTS

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8330

Equipment Code....: INST3536

Analyst....: san

Method Description.: Explosives by 8330 (HPLC)

Batch.....: 192059

MB	Method Blank		191908-001		10/26/2006	0003
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
HMX, Solid	ug/Kg	30.200	U					
RDX, Solid	ug/Kg	33.300	U					
1,3,5-Trinitrobenzene, Solid	ug/Kg	14.400	U					
1,3-Dinitrobenzene, Solid	ug/Kg	5.000	U					
Nitrobenzene, Solid	ug/Kg	16.900	U					
2,4,6-TNT, Solid	ug/Kg	15.200	U					
Tetryl, Solid	ug/Kg	117.000	U					
2,4-Dinitrotoluene, Solid	ug/Kg	14.400	U					
2,6-Dinitrotoluene, Solid	ug/Kg	25.400	U					
2-Amino-4,6-Dinitrotoluene, Solid	ug/Kg	12.100	U					
4-Amino-2,6-Dinitrotoluene, Solid	ug/Kg	85.600	U					
2-Nitrotoluene, Solid	ug/Kg	31.800	U					
4-Nitrotoluene, Solid	ug/Kg	30.200	U					
3-Nitrotoluene, Solid	ug/Kg	32.500	U					

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8270C

Equipment Code....: GCL11

Analyst....: glr

Method Description.: Semivolatile Organics

Batch.....: 191987

LCS	Laboratory Control Sample	06JWLBLKB	191434-002		10/18/2006	1947
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Naphthalene, 3541 Low Solid	ug/Kg	717.769		1667.000	6.600	U 43	%	55-100	*
Acenaphthylene, 3541 Low Solid	ug/Kg	1493.358		1667.000	6.500	U 90	%	59-104	
Acenaphthene, 3541 Low Solid	ug/Kg	1509.348		1667.000	6.400	U 91	%	64-100	
Fluorene, 3541 Low Solid	ug/Kg	1598.151		1667.000	6.300	U 96	%	61-105	
Phenanthrene, 3541 Low Solid	ug/Kg	1657.930		1667.000	5.300	U 99	%	63-113	
Anthracene, 3541 Low Solid	ug/Kg	1597.587		1667.000	7.100	U 96	%	53-108	
Fluoranthene, 3541 Low Solid	ug/Kg	1732.466		1667.000	6.200	U 104	%	56-112	
Pyrene, 3541 Low Solid	ug/Kg	1716.789		1667.000	7.500	U 103	%	62-114	
Benzo(a)anthracene, 3541 Low Solid	ug/Kg	1614.311		1667.000	6.500	U 97	%	56-130	
Chrysene, 3541 Low Solid	ug/Kg	1807.455		1667.000	6.700	U 108	%	52-113	
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	1956.804		1667.000	8.200	U 117	%	37-150	
Benzo(k)fluoranthene, 3541 Low Solid	ug/Kg	1803.539		1667.000	9.200	U 108	%	37-120	
Benzo(a)pyrene, 3541 Low Solid	ug/Kg	1744.469		1667.000	3.800	U 105	%	55-117	
Indeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	1642.217		1667.000	6.600	U 99	%	57-118	
Dibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	1642.230		1667.000	6.700	U 99	%	54-121	
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	1636.540		1667.000	8.900	U 98	%	56-128	



QUALITY CONTROL RESULTS

Job Number.: 249132 Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8270C Equipment Code....: GCL11 Analyst...: glr  
 Method Description.: Semivolatile Organics Batch.....: 191987

MB	Method Blank		191434-001		10/18/2006	1732
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Naphthalene, 3541 Low Solid	ug/Kg	6.600	U					
Acenaphthylene, 3541 Low Solid	ug/Kg	6.500	U					
Acenaphthene, 3541 Low Solid	ug/Kg	6.400	U					
Fluorene, 3541 Low Solid	ug/Kg	6.300	U					
Phenanthrene, 3541 Low Solid	ug/Kg	5.300	U					
Anthracene, 3541 Low Solid	ug/Kg	7.100	U					
Fluoranthene, 3541 Low Solid	ug/Kg	6.200	U					
Pyrene, 3541 Low Solid	ug/Kg	7.500	U					
Benzo(a)anthracene, 3541 Low Solid	ug/Kg	6.500	U					
Chrysene, 3541 Low Solid	ug/Kg	6.700	U					
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	8.200	U					
Benzo(k)fluoranthene, 3541 Low Solid	ug/Kg	9.200	U					
Benzo(a)pyrene, 3541 Low Solid	ug/Kg	3.800	U					
Indeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	6.600	U					
Dibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	6.700	U					
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	8.900	U					

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8270C

Equipment Code....: GCL11

Analyst...: glr

Method Description.: Semivolatile Organics

Batch.....: 191987

MS	Matrix Spike	06JWLKLB	249132-31	5.00000	10/20/2006	1644
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Naphthalene, 3541 Low Solid	ug/Kg	1410.514		8778.000	34.765	U 80	%	55-100	
Acenaphthylene, 3541 Low Solid	ug/Kg	1515.664		8778.000	34.239	U 86	%	59-104	
Acenaphthene, 3541 Low Solid	ug/Kg	1868.410		8778.000	74.700	J 102	%	64-100	*
Fluorene, 3541 Low Solid	ug/Kg	1863.723		8778.000	61.550	J 103	%	61-105	
Phenanthrene, 3541 Low Solid	ug/Kg	5463.912		8778.000	1497.010	226	%	63-113	*
Anthracene, 3541 Low Solid	ug/Kg	2284.818		8778.000	310.007	112	%	53-108	*
Fluoranthene, 3541 Low Solid	ug/Kg	7220.759		8778.000	3831.327	193	%	56-112	*
Pyrene, 3541 Low Solid	ug/Kg	6662.576		8778.000	2732.944	224	%	62-114	*
Benzo(a)anthracene, 3541 Low Solid	ug/Kg	4852.765		8778.000	1923.858	167	%	56-130	*
Chrysene, 3541 Low Solid	ug/Kg	4943.771		8778.000	1745.166	182	%	52-113	*
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	5016.291		8778.000	1575.180	196	%	37-150	*
Benzo(k)fluoranthene, 3541 Low Solid	ug/Kg	4014.771		8778.000	1983.505	116	%	37-120	
Benzo(a)pyrene, 3541 Low Solid	ug/Kg	4395.085		8778.000	1742.777	151	%	55-117	*
Indeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	3340.461		8778.000	1143.783	125	%	57-118	*
Dibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	2227.465		8778.000	461.067	101	%	54-121	
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	3825.158		8778.000	1304.039	144	%	56-128	*

QUALITY CONTROL RESULTS

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 8270c

Equipment Code....: GCL11

Analyst...: glr

Method Description.: Semivolatile Organics

Batch.....: 191987

MSD	Matrix Spike Duplicate	06JWLBLKB	249132-31	5.00000	10/20/2006	1705		
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Naphthalene, 3541 Low Solid	ug/Kg	1373.663	1410.514	9017.000	35.702	U 76 5	% 55-100 R 30	
Acenaphthylene, 3541 Low Solid	ug/Kg	1544.388	1515.664	9017.000	35.161	U 86 0	% 59-104 R 30	
Acenaphthene, 3541 Low Solid	ug/Kg	1725.900	1868.410	9017.000	74.700	J 92 10	% 64-100 R 30	
Fluorene, 3541 Low Solid	ug/Kg	1754.810	1863.723	9017.000	61.550	J 94 9	% 61-105 R 30	
Phenanthrene, 3541 Low Solid	ug/Kg	4112.347	5463.912	9017.000	1497.010	145 44	% 63-113 R 30	*
Anthracene, 3541 Low Solid	ug/Kg	2215.277	2284.818	9017.000	310.007	106 6	% 53-108 R 30	*
Fluoranthene, 3541 Low Solid	ug/Kg	6676.958	7220.759	9017.000	3831.327	158 20	% 56-112 R 30	*
Pyrene, 3541 Low Solid	ug/Kg	5827.456	6662.576	9017.000	2732.944	172 26	% 62-114 R 30	*
Benzo(a)anthracene, 3541 Low Solid	ug/Kg	4592.949	4852.765	9017.000	1923.858	148 12	% 56-130 R 30	*
Chrysene, 3541 Low Solid	ug/Kg	4928.920	4943.771	9017.000	1745.166	177 3	% 52-113 R 30	*
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	4852.492	5016.291	9017.000	1575.180	182 7	% 37-150 R 30	*
Benzo(k)fluoranthene, 3541 Low Solid	ug/Kg	3919.584	4014.771	9017.000	1983.505	107 8	% 37-120 R 30	*
Benzo(a)pyrene, 3541 Low Solid	ug/Kg	4419.626	4395.085	9017.000	1742.777	148 2	% 55-117 R 30	*
Indeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	3458.819	3340.461	9017.000	1143.783	128 2	% 57-118 R 30	*
Dibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	2227.306	2227.465	9017.000	461.067	98 3	% 54-121 R 30	
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	3861.785	3825.158	9017.000	1304.039	142 1	% 56-128 R 30	*

Job Number.: 249132

## QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst...: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

CCB	Continuing Calibration Blank		191568-016		10/18/2006	1613
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.00210 U						
Copper	mg/L	0.00210 U						
Lead	mg/L	0.00260 U						
Silver	mg/L	0.00216 B						
Zinc	mg/L	0.00640 U						

CCB	Continuing Calibration Blank		191568-028		10/18/2006	1726
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.00210 U						
Copper	mg/L	0.00210 U						
Lead	mg/L	0.00260 U						
Silver	mg/L	0.00090 U						
Zinc	mg/L	0.00640 U						

CCB	Continuing Calibration Blank		191568-040		10/18/2006	1840
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.00210 U						
Copper	mg/L	0.00210 U						
Lead	mg/L	0.00260 U						
Silver	mg/L	0.00090 U						
Zinc	mg/L	0.00640 U						

CCB	Continuing Calibration Blank		191568-048		10/18/2006	1932
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.00210 U						
Copper	mg/L	0.00210 U						
Lead	mg/L	0.00260 U						
Silver	mg/L	0.00197 B						
Zinc	mg/L	0.00640 U						

CCB	Continuing Calibration Blank		191568-060		10/18/2006	2038
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.00210 U						
Copper	mg/L	0.00210 U						
Lead	mg/L	0.00260 U						
Silver	mg/L	0.00166 B						
Zinc	mg/L	0.00640 U						

Job Number.: 249132

## QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCB	Continuing Calibration Blank		191568-072		10/18/2006	2144

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.00210	U					
Copper	mg/L	0.00210	U					
Lead	mg/L	0.00260	U					
Silver	mg/L	0.00243	B					
Zinc	mg/L	0.00640	U					

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.00210	U					
Copper	mg/L	0.00210	U					
Lead	mg/L	0.00260	U					
Silver	mg/L	0.00090	U					
Zinc	mg/L	0.00640	U					

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst...: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

CCV	Continuing Calibration Verification	M06JCCV001	191568-015		10/18/2006	1604
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.49965		0.50000		100	%	90-110	
Copper	mg/L	0.49982		0.50000		100	%	90-110	
Lead	mg/L	0.50410		0.50000		101	%	90-110	
Silver	mg/L	0.49218		0.50000		98	%	90-110	
Zinc	mg/L	0.49291		0.50000		99	%	90-110	

CCV	Continuing Calibration Verification	M06JCCV001	191568-027		10/18/2006	1717
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.49845		0.50000		100	%	90-110	
Copper	mg/L	0.50114		0.50000		100	%	90-110	
Lead	mg/L	0.50451		0.50000		101	%	90-110	
Silver	mg/L	0.49917		0.50000		100	%	90-110	
Zinc	mg/L	0.48986		0.50000		98	%	90-110	

CCV	Continuing Calibration Verification	M06JCCV001	191568-039		10/18/2006	1831
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.49647		0.50000		99	%	90-110	
Copper	mg/L	0.50053		0.50000		100	%	90-110	
Lead	mg/L	0.50290		0.50000		101	%	90-110	
Silver	mg/L	0.48299		0.50000		97	%	90-110	
Zinc	mg/L	0.48727		0.50000		97	%	90-110	

CCV	Continuing Calibration Verification	M06JCCV001	191568-047		10/18/2006	1923
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.49797		0.50000		100	%	90-110	
Copper	mg/L	0.50182		0.50000		100	%	90-110	
Lead	mg/L	0.49386		0.50000		99	%	90-110	
Silver	mg/L	0.47918		0.50000		96	%	90-110	
Zinc	mg/L	0.48205		0.50000		96	%	90-110	

CCV	Continuing Calibration Verification	M06JCCV001	191568-059		10/18/2006	2029
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.49997		0.50000		100	%	90-110	
Copper	mg/L	0.50348		0.50000		101	%	90-110	
Lead	mg/L	0.50511		0.50000		101	%	90-110	
Silver	mg/L	0.49635		0.50000		99	%	90-110	
Zinc	mg/L	0.48901		0.50000		98	%	90-110	

QUALITY CONTROL RESULTS

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	M06JCCV001	191568-071		10/18/2006	2135

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.49577		0.50000		99	%	90-110	
Copper	mg/L	0.50266		0.50000		101	%	90-110	
Lead	mg/L	0.49935		0.50000		100	%	90-110	
Silver	mg/L	0.50055		0.50000		100	%	90-110	
Zinc	mg/L	0.48493		0.50000		97	%	90-110	

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Arsenic	mg/L	0.49219		0.50000		98	%	90-110	
Copper	mg/L	0.49596		0.50000		99	%	90-110	
Lead	mg/L	0.50468		0.50000		101	%	90-110	
Silver	mg/L	0.50939		0.50000		102	%	90-110	
Zinc	mg/L	0.48856		0.50000		98	%	90-110	

Job Number.: 249132

## QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst....: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

CRI	Contract Required Detection Limits	MO6JCRI001	191568-012		10/18/2006	1549		
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.02049		0.02000		102	% 50-150	
Copper	mg/L	0.02039		0.02000		102	% 50-150	
Lead	mg/L	0.01018		0.01000		102	% 50-150	
Silver	mg/L	0.01327		0.01000		133	% 50-150	
Zinc	mg/L	0.03940		0.04000		98	% 50-150	

CRI	Contract Required Detection Limits	MO6JCRI001	191568-044		10/18/2006	1908		
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.02047		0.02000		102	% 50-150	
Copper	mg/L	0.01924		0.02000		96	% 50-150	
Lead	mg/L	0.00916		0.01000		92	% 50-150	
Silver	mg/L	0.01096		0.01000		110	% 50-150	
Zinc	mg/L	0.03736		0.04000		93	% 50-150	

CRI	Contract Required Detection Limits	MO6JCRI001	191568-078		10/18/2006	2220		
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.01874		0.02000		94	% 50-150	
Copper	mg/L	0.01963		0.02000		98	% 50-150	
Lead	mg/L	0.00949		0.01000		95	% 50-150	
Silver	mg/L	0.01250		0.01000		125	% 50-150	
Zinc	mg/L	0.03928		0.04000		98	% 50-150	



QUALITY CONTROL RESULTS

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst...: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

ICB	Initial Calibration Blank		191568-011		10/18/2006	1544
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.00210	U					
Copper	mg/L	0.00210	U					
Lead	mg/L	0.00260	U					
Silver	mg/L	0.00125	B					
Zinc	mg/L	0.00640	U					

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst...: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

ICV	Initial Calibration Verification	M06IICV001	191568-010		10/18/2006	1537
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.40467		0.40000		101	% 90-110	
Copper	mg/L	0.40335		0.40000		101	% 90-110	
Lead	mg/L	0.41364		0.40000		103	% 90-110	
Silver	mg/L	0.40394		0.40000		101	% 90-110	
Zinc	mg/L	0.40038		0.40000		100	% 90-110	

QUALITY CONTROL RESULTS

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst....: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

ISB	Interference Check Sample B	M06JISB001	191568-014		10/18/2006	1558		
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.09760		0.10000		98	% 80-120	
Copper	mg/L	0.54648		0.50000		109	% 80-120	
Lead	mg/L	0.05146		0.05000		103	% 80-120	
Silver	mg/L	0.22324		0.20000		112	% 80-120	
Zinc	mg/L	0.93379		1.00000		93	% 80-120	

ISB	Interference Check Sample B	M06JISB001	191568-046		10/18/2006	1917		
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.10138		0.10000		101	% 80-120	
Copper	mg/L	0.54950		0.50000		110	% 80-120	
Lead	mg/L	0.04600		0.05000		92	% 80-120	
Silver	mg/L	0.21599		0.20000		108	% 80-120	
Zinc	mg/L	0.92877		1.00000		93	% 80-120	

ISB	Interference Check Sample B	M06JISB001	191568-080		10/18/2006	2229		
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.10048		0.10000		100	% 80-120	
Copper	mg/L	0.54581		0.50000		109	% 80-120	
Lead	mg/L	0.04548		0.05000		91	% 80-120	
Silver	mg/L	0.22342		0.20000		112	% 80-120	
Zinc	mg/L	0.91951		1.00000		92	% 80-120	

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst....: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

LCS	Laboratory Control Sample	M06JSPK001	191439-002		10/18/2006	1942
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic, Solid	mg/Kg	9.16		10.00	0.37	U 92	% 80-120	
Copper, Solid	mg/Kg	25.43		25.00	0.22	U 102	% 80-120	
Lead, Solid	mg/Kg	9.77		10.00	0.25	U 98	% 80-120	
Silver, Solid	mg/Kg	4.77		5.00	0.10	U 95	% 80-120	
Zinc, Solid	mg/Kg	46.85		50.00	1.37	U 94	% 80-120	

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst...: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

MB	Method Blank	191439	191439-001		10/18/2006	1937
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic, Solid	mg/Kg	0.37	U					
Copper, Solid	mg/Kg	0.22	U					
Lead, Solid	mg/Kg	0.25	U					
Silver, Solid	mg/Kg	0.10	U					
Zinc, Solid	mg/Kg	1.37	U					

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst...: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

S1	Standard 1	M06AINT001	191568-008		10/18/2006	1524
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Arsenic	mg/L	0.99703		1.00000		100	% 95-105	
Copper	mg/L	1.00192		1.00000		100	% 95-105	
Lead	mg/L	1.00513		1.00000		101	% 95-105	
Silver	mg/L	1.00587		1.00000		101	% 95-105	
Zinc	mg/L	0.99159		1.00000		99	% 95-105	

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: 6010B

Equipment Code....: ICP5

Analyst...: tds

Method Description.: Metals Analysis (ICAP Trace)

Batch.....: 191568

S2	Standard 2	M06AINT002	191568-009		10/18/2006	1530
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Lead	mg/L	20.36271		20.00000		102	% 95-105	

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Test Method.....: Method  
 Method Description.: % Solids Determination  
 Parameter.....: % Solids  
 Batch.....: 191285  
 Equipment Code.....:  
 Analyst....: clb  
 Test Code.: %SOLID

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	191285-001		%	0.1000	U							10/13/2006	2000

Test Method.....: 7471A  
 Method Description.: Mercury (CVAA) Solids  
 Parameter.....: Mercury  
 Batch.....: 191485  
 Equipment Code.....: HG3  
 Analyst....: daj  
 Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
ICV	191485-007	M06HSTK010	ug/L	2.03		2.00		101		%	90-110	10/17/2006	0728
ICB	191485-008		ug/L	0.08	U							10/17/2006	0731
CRA	191485-009	M05LSTK001	ug/L	0.23		0.20		117		%	50-150	10/17/2006	0733
MB	191485-010		mg/Kg	0.01	U							10/17/2006	0735
LCS	191485-011	M06HSTK010	mg/Kg	0.01	U	0.01	0.01	99		%	80-120	10/17/2006	0737
CCV	191485-017	M06HSTK010	ug/L	0.92		1.00		92		%	90-110	10/17/2006	0749
CCB	191485-018		ug/L	0.08	U							10/17/2006	0751
CCV	191485-029	M06HSTK010	ug/L	0.94		1.00		94		%	90-110	10/17/2006	0814
CCB	191485-030		ug/L	0.08	U							10/17/2006	0816
CCV	191485-036	M06HSTK010	ug/L	0.93		1.00		93		%	90-110	10/17/2006	0829
CCB	191485-037		ug/L	0.08	U							10/17/2006	0831
CCV	191485-038	M06HSTK010	ug/L	0.85		1.00		85		%	90-110	10/17/2006	0939
CCB	191485-039		ug/L	0.08	U							10/17/2006	0942
CCV	191485-042	M06HSTK010	ug/L	0.90		1.00		90		%	90-110	10/17/2006	0948
CCB	191485-043		ug/L	0.08	U							10/17/2006	0950
MB	191484-007		mg/Kg	0.01	U							10/17/2006	0955
LCS	191484-008	M06HSTK010	mg/Kg	0.15		0.17	0.01	88		%	80-120	10/17/2006	0957
CCV	191485-051	M06HSTK010	ug/L	0.92		1.00		92		%	90-110	10/17/2006	1009
CCB	191485-052		ug/L	0.08	U							10/17/2006	1012
MD	249132-32		mg/Kg	0.12			0.12	1.6		R	20.0	10/17/2006	1030
MS	249132-32	M05LSTK001	mg/Kg	0.20		0.09	0.12	85		%	75-125	10/17/2006	1033
CCV	191485-063	M06HSTK010	ug/L	0.92		1.00		92		%	90-110	10/17/2006	1035
CCB	191485-064		ug/L	0.08	U							10/17/2006	1037
MSD	249132-32	M05LSTK001	mg/Kg	0.22	0.20	0.09	0.12	105		%	75-125	10/17/2006	1039
CCV	191485-071	M06HSTK010	ug/L	1.02		1.00		21.1	*	R	20	10/17/2006	1052
CCB	191485-072		ug/L	0.08	U			102		%	90-110	10/17/2006	1054

Test Method.....: 7471A  
 Method Description.: Mercury (CVAA) Solids  
 Parameter.....: Mercury  
 Batch.....: 191932  
 Equipment Code.....: HG3  
 Analyst....: gok  
 Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
ICV	191932-007	M06HSTK010	ug/L	2.00		2.00		100		%	90-110	10/19/2006	1426
ICB	191932-008		ug/L	0.08	U							10/19/2006	1428
CRA	191932-009	M05LSTK001	ug/L	0.21		0.20		107		%	50-150	10/19/2006	1430
MB	192015-007		ug/Wipe	0.01017	U							10/19/2006	1432
LCS	192015-008	M06HSTK010	ug/Wipe	0.32992		0.33340	0.01017	99		%	80-120	10/19/2006	1434
CCV	191932-017	M06HSTK010	ug/L	0.99		1.00		99		%	90-110	10/19/2006	1447
CCB	191932-018		ug/L	0.08	U							10/19/2006	1449
CCV	191932-029	M06HSTK010	ug/L	0.93		1.00		93		%	90-110	10/19/2006	1513
CCB	191932-030		ug/L	0.08	U							10/19/2006	1515



QUALITY CONTROL RESULTS

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

Test Method.....: 7471A

Batch.....: 191932

Analyst...: gok

Method Description.: Mercury (CVAA) Solids

Equipment Code....: HG3

Test Code.: HG

Parameter.....: Mercury

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. F	*	Limits	Date	Time
CCV	191932-039	M06HSTK010	ug/L	0.90		1.00		90	%	90-110	10/19/2006	1537
CCB	191932-040		ug/L	0.08	U						10/19/2006	1539

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/27/2006

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- \* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- \* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- EB1, EB2, EB3, MLE: Batch QC is greater than reporting limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/27/2006

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/27/2006

RTW Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number  
SCB Seeded Control Blank  
SD Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)  
UCB Unseeded Control Blank  
SSV Second Source Verification Standard  
SLCS Solid Laboratory Control Standard(LCS)  
PHC pH Calibration Check LCSP pH Laboratory Control Sample  
LCDP pH Laboratory Control Sample Duplicate  
MDPH pH Sample Duplicate  
MDFP Flashpoint Sample Duplicate  
LCFP Flashpoint LCS  
G1 Gelex Check Standard Range 0-1  
G2 Gelex Check Standard Range 1-10  
G3 Gelex Check Standard Range 10-100  
G4 Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

Report To:

Bill To:

STL Chicago  
 2417 Bond Street  
 University Park, IL 60466  
 Phone: 708-534-5200  
 Fax: 708-534-5211

STL Chicago  
 2417 Bond Street  
 University Park, IL 60466  
 Phone: 708-534-5200  
 Fax: 708-534-5211

Contact: Trent Denton  
 Company: 3CS Engineers  
 Address: 10775 Elmer St Ste 100  
Overland Park, KS 66211  
 Phone: 913-451-7510  
 Fax: 913-451-7513  
 E-Mail: tdenton@3csengineers.com

Contact: Sandy Weeks  
 Company: (Same)  
 Address: (Same)  
 Phone: (Same)  
 Fax: (Same)  
 Quote: (3.0) (2.9) (2.7)

Sampler Name: J. Denton  
 Project Name: 65A SLOP  
 Project Location: Dick Wright  
 Lab P/N: St. Louis, mo  
 Project Number: 02200070.56  
 Date Required: Enroll  
 Hard Copy: 1  
 Fax: 1

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refg #		Additional Analyses / Remarks
							# / Cont.	Volume	
1		102 Floor 2 WS 101	10-11-06	3:45	W	6			
2		102 Floor 2 WS 102		3:55					
3		102 Floor 2 WS 103		4:10					
4		102 Floor 2 WS 104		4:20					
5		102 Floor 2 WS 105		4:25					
6		102 Floor 2 WS 106		4:30					
7		102 Floor 2 WS 107		4:35					
8		102 Floor 2 WS 108		4:45					
9		102 Floor 2 WS 109		4:50					
10		102 Floor 2 WS 110		5:00					
11		102 Floor 2 WS 111	10-12-06	7:55	W	6			
12		102 Floor 2 PL 111			W	0			

RELINQUISHED BY: [Redacted] COMPANY: 3CS Engineers DATE: 10-12-06 TIME: 2:20  
 RECEIVED BY: [Redacted] COMPANY: 3CS DATE: 10/13/06 TIME: 10:00

RELINQUISHED BY: [Redacted] COMPANY: [Redacted] DATE: [Redacted] TIME: [Redacted]  
 RECEIVED BY: [Redacted] COMPANY: [Redacted] DATE: [Redacted] TIME: [Redacted]

Matrix Key  
 WW = Wastewater  
 W = Water  
 S = Soil  
 SL = Sludge  
 MS = Miscellaneous  
 OL = Oil  
 A = Air

SE = Sediment  
 SO = Solid  
 DS = Drum Solid  
 DL = Drum Liquid  
 L = Leachate  
 WI = Wigg  
 O = Wastewater

Container Key  
 1. Plastic  
 2. VOA Vial  
 3. Sterile Plastic  
 4. Amber Glass  
 5. W/leachate  
 6. Other

Preservative Key  
 1. HCl, Cool to 4°  
 2. H2SO4, Cool to 4°  
 3. HNO3, Cool to 4°  
 4. NaOH, Cool to 4°  
 5. NaOH/Zn, Cool to 4°  
 6. Cool to 4°  
 7. None

COMMENTS: Level II data package

Date Received: 10/13/06  
 Courier: Fx  
 Hand Delivered:   
 Bill of Lading: see attach



STL Chicago  
2417 Bond Street  
University Park, IL 60466  
Phone: 708-534-5200  
Fax: 708-534-5211

STL

Sampler Name: **I. Donling**  
Project Name: **GSA SLOP**  
Project Location: **St. Louis, mo**  
Lab PM: **Dick Wright**

Contact: **Correct Donling**  
Company: **SES Engineers**  
Address: **10975 Almonte Street**  
**Overland Park, KS 66211**  
Phone: **913-451-2510**  
Fax: **913-451-7513**  
E-Mail: **john.donling@sesengineers.com**

Contact: **Sandy Weeks**  
Company: **(Same)**  
Address: **(Same)**  
Phone: **(Same)**  
Fax: **(Same)**  
Quote: **(Same)**  
PO#: **(Same)**

Lab Lot# **249132**  
Package Sealed Yes No  
Samples Sealed Yes No  
Received on Ice Yes No  
Samples Intact Yes No  
Temperature °C of Cooler

Within Hold Time Yes No Preserv. Indicated Yes No NA  
pH Check OK Yes No Res Cl<sub>2</sub> Check OK Yes No NA  
Sample Labels and COC Agree Yes No COC not present

Additional Analyses / Remarks

Laboratory ID	MS/MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Refr #		Preserv	Date Required	Hard Copy	Fax
							#	Cont				
13		102 Floor 2 WS 112	10/12/06	8:15	W	G						
14		102 Floor 2 PC 112		8:15	D							
15		102 Floor 1 WS 113		8:30	W							
16		102 Floor 1 PC 113		8:30	D							
17		102 Floor 1 WS 114		9:00	W							
18		102 Floor 1 PC 114		9:00	D							
19		102D Floor 2 WS 115		9:20	W							
20		102D Floor 2 PC 115		9:20	D							
21		102D Floor 1 WS 116		9:30	W							
22		102D Floor 1 PC 116		9:30	D							
23		102D Floor 1 WS 117		9:35	W							
24		102D Floor 1 PC 117		9:35	D							

RELIQUISH DATE: 10/12/06 TIME: 2:20  
 RECEIVED BY: [Redacted]  
 COMPANY: SES Engineers  
 DATE: 10/13/06 TIME: 1000  
 RECEIVED BY: [Redacted]  
 COMPANY: [Redacted]

Matrix Key: WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air  
 SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = Paint Chip  
 Container Key: 1. Plastic, 2. VOA Vial, 3. Sterile Plastic, 4. Amber Glass, 5. Widenmouth Glass, 6. Other  
 Preservative Key: 1. HCl Cool to 4°, 2. H2SO4 Cool to 4°, 3. HNO3 Cool to 4°, 4. NaOH Cool to 4°, 5. NaOH/Zn Cool to 4°, 6. Cool to 4°, 7. None  
 COMMENTS: Level II Data Package  
 Date Received: 10/13/06  
 Courier: FX  
 Bill of Lading  
 Hand Delivered



# SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 249639

Prepared For:

SCS Engineers, Inc.  
10975 El Monte  
Suite 100  
Overland Park, KS 66211

Project: GSA - SLOP

Attention: David Brewer

Date: 12/06/2006

---

Signature

Name: Richard C. Wright

Title: Project Manager

E-Mail: [rwright@stl-inc.com](mailto:rwright@stl-inc.com)

---

Date

STL Chicago  
2417 Bond Street  
University Park, IL 60466

PHONE: (708) 534-5200

FAX..: (708) 534-5211

This Report Contains (\_\_\_\_) Pages



STL Chicago is part of Severn Trent Laboratories, Inc.

S A M P L E I N F O R M A T I O N  
Date: 12/06/2006

Job Number.: 249639 Project Number.....: 20006654  
Customer...: SCS Engineers, Inc. Customer Project ID...: GSA - SLOP  
Attn.....: David Brewer Project Description....: GSA - SLOP

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
249639-1	SB126	Water	11/18/2006	10:45	11/24/2006	09:45

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS												
Job Number: 249639								Date:12/06/2006				
CUSTOMER: SCS Engineers, Inc.				PROJECT: GSA - SLOP				ATTN: David Brewer				
Customer Sample ID: SB126 Date Sampled.....: 11/18/2006 Time Sampled.....: 10:45 Sample Matrix.....: Water						Laboratory Sample ID: 249639-1 Date Received.....: 11/24/2006 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8015B MDRO	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO)	0.74			0.033	0.12	1.00000	mg/L	194560		11/29/06 0819	san

\* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

L A B O R A T O R Y   C H R O N I C L E

Job Number: 249639

Date: 12/06/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
EDD	Electronic Data Deliverable	1					
3510C	Extraction Sep. Funnel (Diesel)	1	194076			11/24/2006 1330	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	194560	194076		11/29/2006 0819	1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 12/06/2006

REPORT COMMENTS

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- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

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- \* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- \* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- ^ EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 12/06/2006

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

Q U A L I T Y   A S S U R A N C E   M E T H O D S

R E F E R E N C E S   A N D   N O T E S

Report Date: 12/06/2006

RTW      Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number  
SCB      Seeded Control Blank  
SD        Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)  
UCB      Unseeded Control Blank  
SSV      Second Source Verification Standard  
SLCS     Solid Laboratory Control Standard(LCS)  
PHC      pH Calibration Check LCSP pH Laboratory Control Sample  
LCDP     pH Laboratory Control Sample Duplicate  
MDPH     pH Sample Duplicate  
MDFP     Flashpoint Sample Duplicate  
LCFP     Flashpoint LCS  
G1        Gelex Check Standard Range 0-1  
G2        Gelex Check Standard Range 1-10  
G3        Gelex Check Standard Range 10-100  
G4        Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.