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

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SAMPLE INFORMATION Date: 09/21/2006

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

### STL Chicago is part of Severn Trent Laboratories, Inc.

	SAMPLE INFORMATION Date:	
Job Number.: 248531	Project Number: 20006654	

Customer...: SCS Engineers, Inc.

Attn....: David Brewer

Project Number....: 2000654

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

Job	L # Number: 248531	ABORATORY	СН	RONI	CLE	Date: (	09/21/2006		
CUSTOMER: SCS Eng	ineers, Inc.	PROJECT	: GSA -	SLOP			ATTN: David Bre	wer	
Lab ID: 248531-14 METHOD	Client ID: SB1155-3 DESCRIPTION				07/2006 PREP BT		Date: 09/06/20 DATE/TIME AN		DILUTION
	Extraction Soxhlet (DRO) TPH - Diesel Range Organics	(DRO)	1	189077	189077		09/12/2006 09/15/2006	1630	1.00000
METHOD	Client ID: SB1165-4 DESCRIPTION		RUN#	BATCH#	'07/2006 PREP BT		Date: 09/06/20 DATE/TIME AN	ALYZED	DILUTION
Method 3541 8015B MDRO	<pre>% Solids Determination Extraction Soxhlet (DRO) TPH - Diesel Range Organics</pre>	(DRO)	1 1 1	189077	188899 189077		09/09/2006 09/12/2006 09/15/2006	1945 1630 0613	1.00000
	Client ID: SB1175-4 DESCRIPTION		Date Re	cvd: 09/	07/2006	Sample #(S)	Date: 09/06/20	06 ALY7ED	DILUTION
	% Solids Determination Extraction Soxhlet (DRO) TPH - Diesel Range Organics		1	189077			DATE/TIME AN 09/09/2006 09/12/2006	1630	
	TPH - Diesel Range Organics Client ID: SB1185-2	(DRO)	1 Date Re	189555 cvd: 09	189077		09/15/2006 Date: 09/06/20	0649	1.00000
METHOD Method	DESCRIPTION % Solids Determination Extraction Soxhlet (DRO)			BATCH#			DATE/TIME AN 09/09/2006 09/12/2006		DILUTION
8015B MDRO	TPH - Diesel Range Organics	(DRO)	1	189555	189077		09/15/2006	0726	1.00000
METHOD	Client ID: SB1185-5 DESCRIPTION % Solids Determination Extraction Soxhlet (DRO)		RUN# 1	BATCH# 188899	'07/2006 PREP BT 188899	Sample #(S)	Date: 09/06/20 DATE/TIME AN 09/09/2006	ALYZED 1953	DILUTION
3541 8015B MDRO	Extraction Soxhlet (DRO) TPH - Diesel Range Organics	(DRO)	1	189077 189555	189077		09/12/2006 09/15/2006	1630 1520	1.00000
METHOD Method	Client ID: SB1195-3 DESCRIPTION % Solids Determination		RUN# 1	BATCH# 188899	07/2006 PREP BT 188899		Date: 09/06/20 DATE/TIME AN 09/09/2006	ALYZED 1956	DILUTION
	Extraction Soxhlet (DRO) TPH - Diesel Range Organics	(DRO)	1	189077 189555	189077		09/12/2006 09/15/2006	1630 1556	1.00000
METHOD	Client ID: SB1195-4 DESCRIPTION % Solids Determination Extraction Soxhlet (DRO)		Date Re RUN# 1	BATCH# 188899	07/2006 PREP BT 188899	Sample #(S)	Date: 09/06/20 DATE/TIME AN 09/09/2006 09/12/2006		DILUTION
3541 8015B MDRO	TPH - Diesel Range Organics	(DRO)	1	189077 189555	189077		09/15/2006	1632	1.00000
Lab ID: 248531-21 METHOD Method	Client ID: SB1215-3 DESCRIPTION % Solids Determination		RUN# 1	188859	07/2006 PREP BT 188859		Date: 09/06/20 DATE/TIME AN 09/08/2006	ALYZED 1259	DILUTION
3541 8015B MDRO	Extraction Soxhlet (DRO) TPH - Diesel Range Organics	(DRO)	1	189077 189555	189077		09/12/2006 09/15/2006	1630 1708	1.00000
Lab ID: 248531-22 METHOD Method	Client ID: SB1225-2 DESCRIPTION % Solids Determination		Date Re RUN# 1		'07/2006 PREP BT 188859		Date: 09/06/20 DATE/TIME AN 09/08/2006	ALYZED 1301	DILUTION
3541 8015B MDRO	Extraction Soxhlet (DRO) TPH - Diesel Range Organics	(DRO)	1	189077 189555	189077		09/12/2006 09/15/2006	1630 1745	1.00000
Lab ID: 248531-23 METHOD Method 3541	Client ID: SB1225-4 DESCRIPTION % Solids Determination Extraction Soxhlet (DRO)				'07/2006 PREP BT 188859		Date: 09/06/20 DATE/TIME AN 09/08/2006 09/12/2006		DILUTION
							•		

Job	Number: 248531	LABORA	TORY	СH	RONI	CLE	Date:	09/21/2006		
CUSTOMER: SCS Engi	ineers, Inc.		PROJECT:	GSA -	SLOP			ATTN: David Bre	/er	
METHOD	Client ID: SB1225-4 DESCRIPTION TPH - Diesel Range Organi	cs (DRO)			BATCH#	/07/2006 PREP BT 189077	#(S)	Date: 09/06/200 DATE/TIME ANA 09/15/2006	ALYZED	DILUTION 1.00000
Lab ID: 248531-24 METHOD Method	Client ID: SB1255-3 DESCRIPTION % Solids Determination				BATCH#		#(S)	Date: 09/06/200 DATE/TIME AN/ 09/08/2006	ALYZED	DILUTION
METHOD	Client ID: SB1125-5 DESCRIPTION % Solids Determination			Date Re RUN# 1	BATCH#	/07/2006 PREP BT 188859	#(S)	Date: 09/05/200 DATE/TIME AND 09/08/2006	ALYZED	DILUTION
METHOD Method	Client ID: SB1135-5 DESCRIPTION % Solids Determination			Date Re RUN# 1	BATCH# 188859	PREP BT 188859	#(S)		ALYZED 1308	DILUTION
3541 8015B MDRO	Extraction Soxhlet (DRO) TPH - Diesel Range Organi	cs (DRO)		1 1		189077		09/12/2006 09/15/2006	1630 1857	1.00000
METHOD Method	Client ID: SB1145-3 DESCRIPTION % Solids Determination				BATCH# 188859	/07/2006 PREP BT 188859		09/08/2006	ALYZED 1310	DILUTION
3541 8015B MDRO	Extraction Soxhlet (DRO) TPH - Diesel Range Organi	cs (DRO)		1	189077 189555	189077		09/12/2006 09/15/2006	1630 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)

- Analyte was not detected at or above the stated limit.
- Not detected at or above the reporting limit.
- Result is less than the RL, but greater than or equal to the method detection limit.
- Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL. R
- Result was determined by the Method of Standard Additions.
- 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.
- MS, MSD: The analyte present in the original sample is 4 times greater

than the matrix spike concentration; therefore, control limits are not applicable.

- Ε SD: Serial dilution exceeds the control limits.
- MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a Н
  - negative instrument reading lower than the absolute value of the reporting limit.
- MS, MSD: Spike recovery exceeds the upper or lower control limits.
- AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- 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).

- Result was qualitatively confirmed, but not quantified.
- Pesticide identification was confirmed by GC/MS.
- The chromatographic response resembles a typical fuel pattern.
- The chromatographic response does not resemble a typical fuel pattern. Z
- Result exceeded calibration range, secondary dilution required.
- AFCEE: Result is an estimated value below the reporting limit or a tentatively identified compound (TIC) Organic Flags (Flags Column)
- 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
- Concentration exceeds the instrument calibration range Α
- Concentration is below the method Reporting Limit (RL)
- Compound was found in the blank and sample. B
- 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.
- Alternate peak selection upon analytical review Н
- Indicates the presence of an interfence, recovery is not calculated. Ţ
- М Manually integrated compound.
- 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

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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
¢2
         Confirmation analysis of A2 or D2
0.3
         Confirmation analysis of A3 or D3
CRA
         Low Level Standard Check - GFAA; Mercury
CRI
         Low Level Standard Check - ICP
C٧
         Calilbration Verification Standard
Dil Fac
         Dilution Factor - Secondary dilution analysis
         Dilution 1
D1
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
         Extraction Blank 2
EB2
EB3
         DI Blank
ELC
         Method Extracted LCS
ELD
         Method Extracted LCD
ICAL
         Initial calibration
ICB
         Initial Calibration Blank
         Initial Calibration Verification
ICV
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
         Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
LCS
         Method Blank or (PB) Preparation Blank
MB
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
Α1
         Re-analysis of D1
Α2
         Re-analysis of D2
Α3
         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
RΤ
         Retention Time
```

### QUALITY ASSURANCE METHODS

### REFERENCES AND NOTES

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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) pH Calibration Check LCSP pH Laboratory Control Sample PHC LCDP pH Laboratory Control Sample Duplicate MDPH pH Sample Duplicate MDFP Flashpoint Sample Duplicate Flashpoint LCS LCFP G1 Gelex Check Standard Range 0-1 Gelex Check Standard Range 1-10 62 Gelex Check Standard Range 10-100 G3 Gelex Check Standard Range 100-1000 G4 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

	A = Air	1 11 1	S Soll :	= Wastewater		RELINQUISHED BY	_	RÉI INOI IISHED RY	A I		. 10 s	<b>9</b>	<b>ं 8</b>	7		S	<b>4</b>	: ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	, <b>2</b>	one one	Laboratory ID MS-MSD	Lab PMI	Project Location:	Project Name:	[lene#]s	Sampler Name:	Phone: /08-534-5200 Fax: 708-534-5211 ;	University Park, IL 60466	2417 Bond Street		SEVERN	en e	
	0 = wipe		DS = Drum-Solid	음설·	Watrix Xov	(b) (6	5)	à	587125F	58/115-5	1/2	105 T	581105	562535	50/5353	58055	38475-	3B035-4	3870255	507015-3	Client Sample ID.		S MO		- e (b)			1667 114-11	er i	OFFI OFFI EAF W		rejenstel kunner i geografije en rejenskiste frank i skriger en skriger en skriger.	
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		Bill of Lading	; 6	O Date Received		<i>/</i> 06!		20 C						1 .						r Ga		in (car)	Sampie Labels an	Yes No NA	Yes No	0	(2.3)*(2.1)	Temperature °C of Cooler	∕Yes) No :	Received on Ice	Package Sealed	Lab Lot#	Shaded Areas For Internal Use Only
H RUCK ILS	120000	Bill of Lading COC attac	hand penvered		2000	lusa Olar	-	Sometic C	and the second s	J 7			**************************************			S. Carlotte and Ca		- Children	· Park		Rema	CONTINUE DE LA	abels and GOC Agree	Yes No (NA)			) (2.5)		ja e	Samples	Samples	48531	mai Use Onlyof

A = Air	OL = Oil	1 11	W = Water Soll	Water	RELINQUISHED (D)	RELINQUISHED	74	F 73	72		20	<b>19</b>	55	ゴ	91	5		<b>8</b>	Laboratory ID MS-MSD	Lab PM: Vool		Project Name:	Sampler Name: 2	Fax: 708-534-5211	University Park, IL 60466	STL Chicago	SEVERN TRENT	Section 2 of the section of the sect	
0 =		DL = Drum Liquid	S = Drum Solid	227 3	(G) COMPANY	COMPANY	581255-3	28.22.27 X	58,2252	83215-3	JB/195-4	5-561105	584855	2-581185	N-521185	58165-4	SB/155-3	5B1155-2	Client Sample ID		9 C 0		(b) (6)		-7	An in a series of the series o		M !	
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7. NORE	6. Cool to 4	4. NaOH, Cool to 45.	2. H2SQ4, Cool to 4°	Preservative Key	\$ \$ \$ \$ \$ <b>10ME</b> \$ \$	DATES 2 3 TIME X		1 1 N	。	アンマメ	V.	アスペスス	5 5 6 X	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ころのメス	XXOV	0 3 7 X X	× ×	Ma Comi	15	ab	Presery Presery	#/Cont.			18 18 66 EM	maye Ste 100		The control of the co
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STL Chicago Intra-Laboratory Internal Sample Custody Transfer Record client: Sc 9

Job No:

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rpjsckl Job Sample Receipt Checklist Report	V2
Job Number:: 248531 Location:: 57222 Check List Number:: 1 Description:: Customer Job ID: Job Check List Date:: 09/07/2006 Project Number:: 20006654 Project Description:: GSA - SLOP Customer:: SCS Engineers, Inc. Contact:: David Brewer	Date of the Report: 09/08/2006 Project Manager: rcw
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	

Page 1

Address Address Address To request a pacific facts facts of facts	EXPIRESS    From	
Total Participes  Total Participes  Total Participes  Total Declared Value*  Samples See About 100  Cedit Card Auth.  Declared Value*  Samples See About 100  Cedit Card Auth.  Declared Value*  Total Declared Value*  Total Declared Value*  Samples See About 100  Cedit Card Auth.  Declared Value*  Total Declared Value*  Samples See About 100  Cedit Card Auth.  Declared Value*  Total Obstacle Value*  Total Declared Value*  Total Declar	4a Express Package Service  FedEx Priority Overright  FedEx Priority Overright  FedEx Day  FedEx Standard Overright  FedEx Day  FedEx Day  FedEx Express Save  Search Jenses on Monary  Search Jenses Strippon  FedEx Day  FedEx Express Save  FedEx Day  FedEx Freight Service  FedEx Day  Fe	

# 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
- 2. All required holding times were met for the extraction and the analysis.

flame ionization detector and Xti-5 column was used for 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 sample248531-17(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 Date

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# QUALITY CONTROL SUMMARY

STL Chicago is part of Severn Trent Laboratories, Inc.

Test Description

2-Fluorobiphenyl (surr) o-Terphenyl (surr)

Test

2FLUBP OTERPH

CUSTOMER: SCS	1808888	umber.: 248531	ECOVER:			Date.: 09/20/2006 awid:Brewer
		: TPH - Diesel Range Organics (DRO) : 8015D			.: 3541 Solid .: 189555	Prep Batch: 189077
Lab ID	DT	Sample ID	Date	2FLUBP	OTERPH	
LCS MB 248531- 13 248531- 14 248531- 15 248531- 16 248531- 17 248531- 17 248531- 17 248531- 18 248531- 18 248531- 20 248531- 20 248531- 21 248531- 21 248531- 22 248531- 23 248531- 23 248531- 23		SB1155-2 SB1155-3 SB1165-4 SB1175-4 SB1185-2 SB1185-2 SB1185-2 SB1185-3 SB1195-3 SB1195-4 SB1225-2 SB1225-4 SB135-5 SB1145-3	09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006 09/15/2006	77 71 69 65 70 77 83 70 58 61 59 69 57	91 777 81 83 78 76 80 112 107 85 74 80 92 83 81 89	e de la companya del companya de la companya de la companya del companya de la co

Limits

41 - 118 38 - 150

(b) (6)

QUALITY CONTROL RESULTS

Reag. Code

Lab ID

Job Number.: 248531

QC Type

Report Date.: 09/20/2006

Date

Time

Dilution Factor

Test Method.....: 8015B MDRO
Method Description.: TPH - Diesel Range Organics (DRO) Equipment Code....: INSTO9 Analyst...: san

Batch..... 189555

Description

MS Matrix Spike		0061	IWLDIEA	248531-17	10.0000	09/	15/2006 223	35
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Diesel Range Organics (DRO), 3541 Soli	ma/Ka	455.031		757.900	105.484	461	% 62-120	- ×

Job	Number.: 248531	QUALITY	CONTROL R	ESULTS	Report Date.: 09/2	0/2006	
CUSTOMER: _SCS Er	gineers, Inc.	PROJECT	F: GSA = SLOP		SATINES.	. 70	
QC Type	Descript	ion	Reag. Code	Lab ID	Dilution Factor	Date	Time
Test Method Method Descripti		ange Organics (DRO)	, ,	le: INSTO9 : 189555	Analys	t: san	

QC Result

~~455.031

True Value

756.800

QC Calc.

152 101

Orig. Value

105.484

\* Limits

62-120

\*

% 6 R 30

Parameter/Test Description

Diesel Range Organics (DRO), 3541 Soli mg/Kg

Units

QC Result

220.729

Jo	QUALITY b Number.: 248531	CONTROL RE	SULTS	Report Date.: 09/2	20/2006	
GUSTOMER: SCS E	ngineers, Inc. PROJI	ECT: GSA - SLOP	123 (2 - 12 <u>2-2</u> 5).	ATEN: David Brewer		., <sub>7-</sub> 79 <u>-</u> 2
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Tîme
Test Method Method Descript	: 8015B MDRO ion.: TPH - Diesel Range Organics (DRO)	Equipment Code		Analys	t: san	

LCS Laboratory Control Sampl	e	0061	WLDIEA	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 L	86	% 62-120

## 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:

1	1		
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
189077-BS 189077-BS 189077-BS 189077-BS 23455-34 23455-34 234567890123455-2MSD 23456789012345678901234567890	189077 - 2LCS 248531 - 13 248531 - 14 248531 - 15 248531 - 16 248531 - 18 248531 - 19 248531 - 20 248531 - 21 248531 - 22 248531 - 23 248531 - 26 248531 - 27 248531 - 17MS 248531 - 17MS 248531 - 17MS 248531 - 17MS 248531 - 17MS	09110609 087 09110609 088 09110609 089 09110609 091 09110609 092 09110609 105 09110609 107 09110609 108 09110609 109 09110609 110 09110609 111 09110609 117 09110609 118	09/15/06 09/15/06 09/15/06 09/15/06 09/15/06 09/15/06 09/15/06 09/15/06 09/15/06 09/15/06 09/15/06
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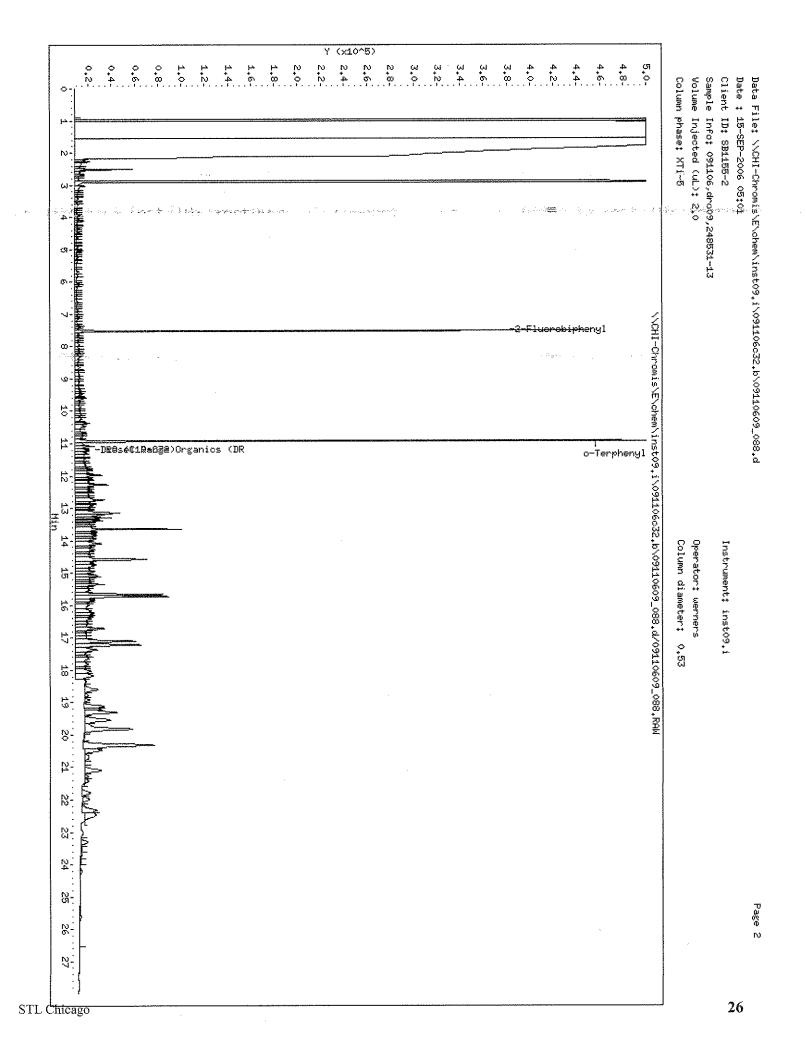
**COMMENTS** 

## SAMPLE DATA

24

STL Chicago is part of Severn Trent Laboratories, Inc.

* In Description = Dry Wgt.		Method % Solids Determination % Solids, Solid % Moisture, Solid	8015B MDRO TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	TEST METHOD PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1155-2 Date Sampled: 09/06/2006 Time Sampled: 08:00 Sample Matrix: Soil	Job Number: 248531
Page 15		85.4 14.6	35	SAMPLE RESULT Q FLAGS	Lak Dai Ti	LABORATORY TES
		0.10	1.9	100	Laboratory Sample ID: 2 Date Received O Time Received 1	ST RESULTS
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	and the second of the second o	<b>%%</b>	mg/Kg	UNITS	The control of the co	Date:09
4. · · · ·		188899 188899	189555	BATCH D	and the state of t	Date:09/20/2006
		09/09/06 1939 09/09/06 1939	09/15/06 0501	DATE/TIME	schanic especialistic in paradopatoris in processors	\$67
STL Chicago		913 913	san	TECH		



Data File: 09110609 088.d Report Date: 20-Sep=2006 14:35

## STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 088.d 248531-13 Client Smp ID: SB1155-2 15-SEP-2006 05:01 Data file : Lab Smp Id: Inj Date : Inst ID: imst09.i ners 106,dro09,248531-13 Opërator Smp Info lisc Info Comment lethod leth Date Quant Type: ESTD Cal File: 09110609\_007.d Date : bottle: 88 1.00000 HP Genie -2n 4.04 Factor: 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 Uf Vt Vi Ws M	1.000 2.000 2500.000 2.000 15.411 14.600	Dilution Factor ng unit correction factor Volume of final extract (ul) Volume injected (ul) Weight of sample extracted (g) % Moisture

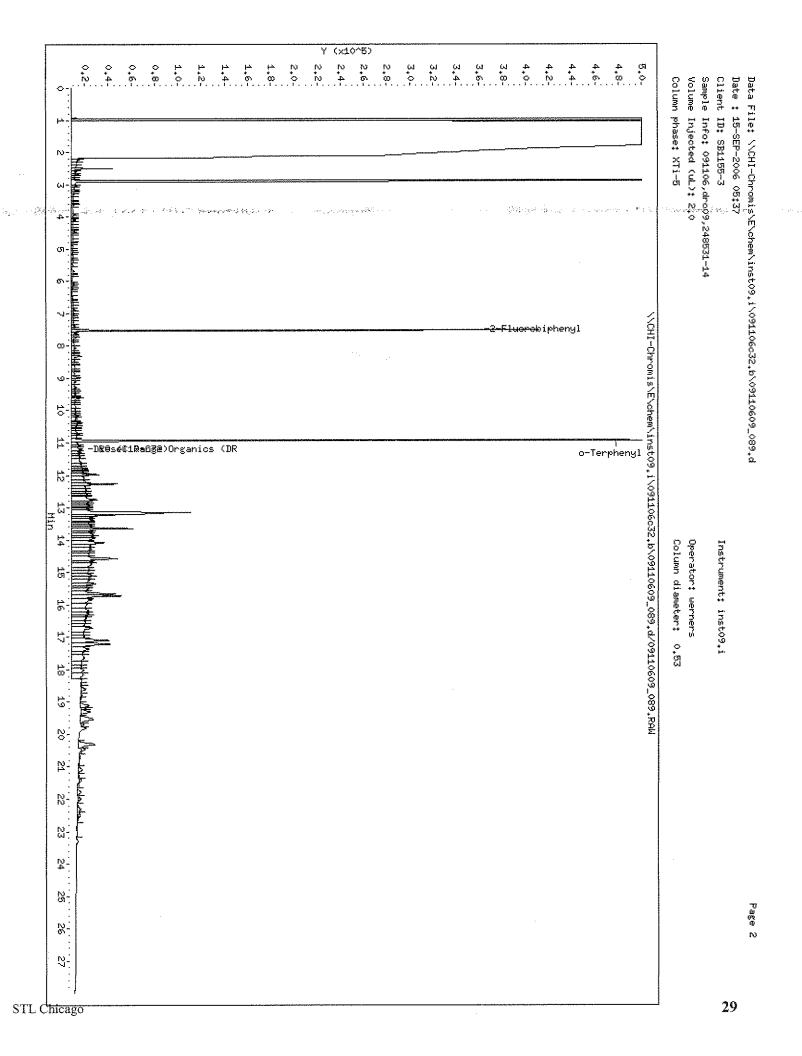
						CONCERN	CALLONS
						ON-COLUMN	FINAL
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)
===		==					
\$	8 2-Fluorobiphenyl	7.522	7.534	-0.012	1283356	15.3338	/ 2.913 \
\$	13 o-Terphenyl	10.930	10.941	-0.011	1636635	16.1992	3.077
S	14 DRO (C10-C32)	4.256-	18.151		15069981	184.524	35.051
S	15 Diesel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



CONCENTRATIONS

STL Chicago is part of Severn Trent Laboratories, Inc.

			ТЕСН	san			 				STL Chicago
			DATE/TIME	s 7550 90/11/60	09/09/06 1942 clb 09/09/06 1942 clb						, ,,,
Date:09/20/2006	David Brewer		ВАТСН рТ	189555	188899 188899						
Date:09	ATTN:		UNITS	mg/Kg	× ×	- :	 - :	:	1. 44.	' 1-	e - ·
			DILUTION	1.00000							
ω		): 248531-14 :: 09/07/2006 :: 10:00	<b>RI</b>	4.9	0.10		·		,		
RESULT.		Laboratory Sample ID: Date Received Time Received	<b>70</b>	2.0	0.10						
F & E	GSA - SLOP	Labor Date Time	Q FLAGS								Page 16
ABORATORY	PROJECT:		SAMPLE RESULT	35	83.7						Ľ
Job Number: 248531	ngineers, Inc.	Customer Sample ID: SB1155-3 Date Sampled: 09/06/2006 Time Sampled: 08:10 Sample Matrix: Soil	PARAMETER/TEST DESCRIPTION	TPH – Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	% Solids Determination % Solids, Solid % Moisture, Solid						* In Description = Dry Wgt.
	CUSTOMER: SCS Engineers, Inc.	Customer Date Samp Time Samp Sample Ma	TEST METHOD	8015B MDRO	Method						



Data File: 09110609 089.d Report Date: 20-Sep=2006 14:36

## STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 089.d 248531-14 Client Smp ID: SB1155=3 15-SEP-2006 05:37 errors Data file : Lab Smp Id: Inj Date : werners 091106,dro09,248531-14 Inst ID: inst09.i Jpěrator Šmp Info Misc Info dc= HP5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 20-Sep-2006 14:34 werners Ouant Type: ESTD 11-SEP-2006 18:05 Cal File: 09110609\_007.d Comment Method Meth Date Date : bottle: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro..sub

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

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

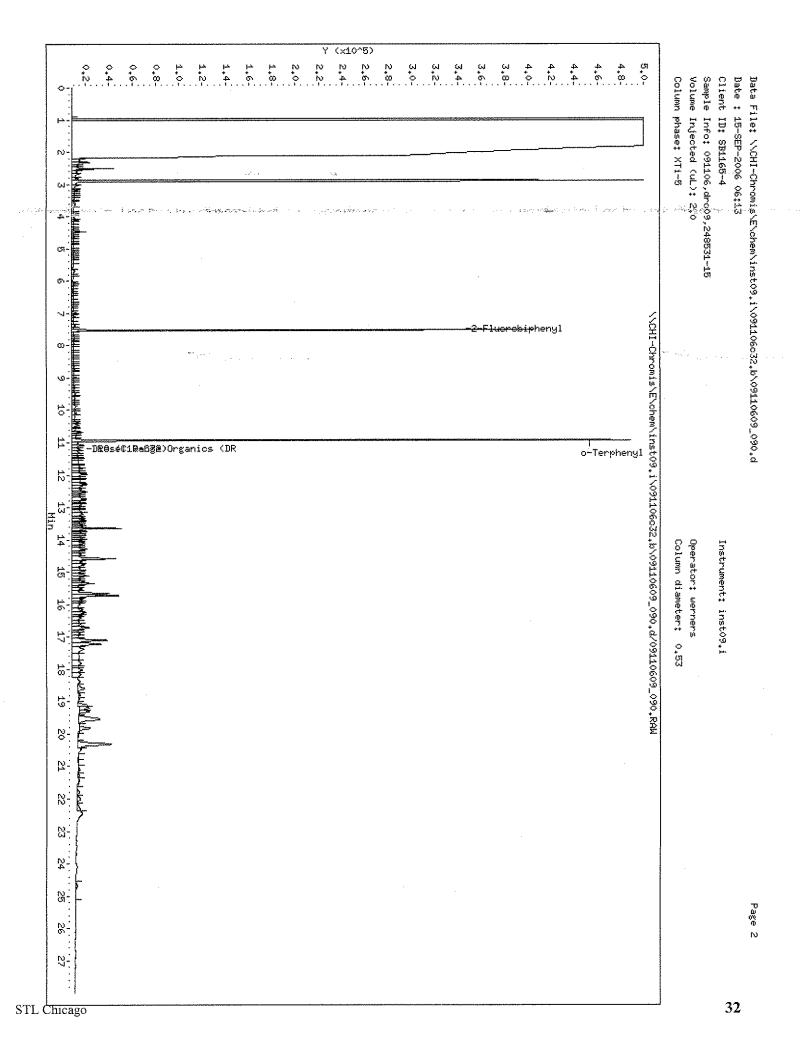
						CUNCENTRATIONS		
						ON-COLUMN	FINAL	
Со	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)	
		20 E		=====			-	
\$	8 2-Fluorobiphenyl	7.522	7.534	-0.012	1189233	14.2092	2.767	
\$	13 o-Terphenyl	10.930	10.941	-0.011	1677309	16.6018	/ 3.233	
S	14 DRO (C10-C32)	4.256-	18.151		14584371	178.578	34.773	
S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



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S U L T S Date:09/20/2006	ATTN: David Brewer	mple ID: 248531-15 : 09/07/2006 : 10:00	RL DILUTION UNITS BATCH DT DATE/TIME	1 5.1 1.00000 mg/Kg 189555 09/15/06 0613	10 0.10 1 % 188899 09/09/06 1945 10 0.10 1 % 188899 09/09/06 1945	
LABORATORY TEST RES	PROJECT; GSA - SLOP	Laboratory Sample ID: Date Received Time Received	SAMPLE RESULT   Q FLAGS   MDL	21 2.1	79.9 0.10	Page 17
Job Number: 248531	CUSTOMER: SCS Engineers, Inc.	Customer Sample ID: SB1165-4 Date Sampled: 09/06/2006 Time Sampled: 11:00 Sample Matrix: Soil	PARAMETER/TEST DESCRIPTION	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	% Solids Determination % Solids, Solid % Moisture, Solid	* In Description = Dry Wgt.
,	CUSTOMER: SCS E	Customer Date Samp Time Samp Sample Ma	TEST METHOD	8015B MDRO	Method	



Data File: 09110609 090.d Report Date: 20-Sep=2006 14:36

## STL Chicago

Data file : Lab Smp Id: Inj Date : Opĕrator Smp Info 1isc Info Comment Method : Meth Date : Cal Date : Als bottle: Als bottle: 90 Als bottle: 90 Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro.sub

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

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

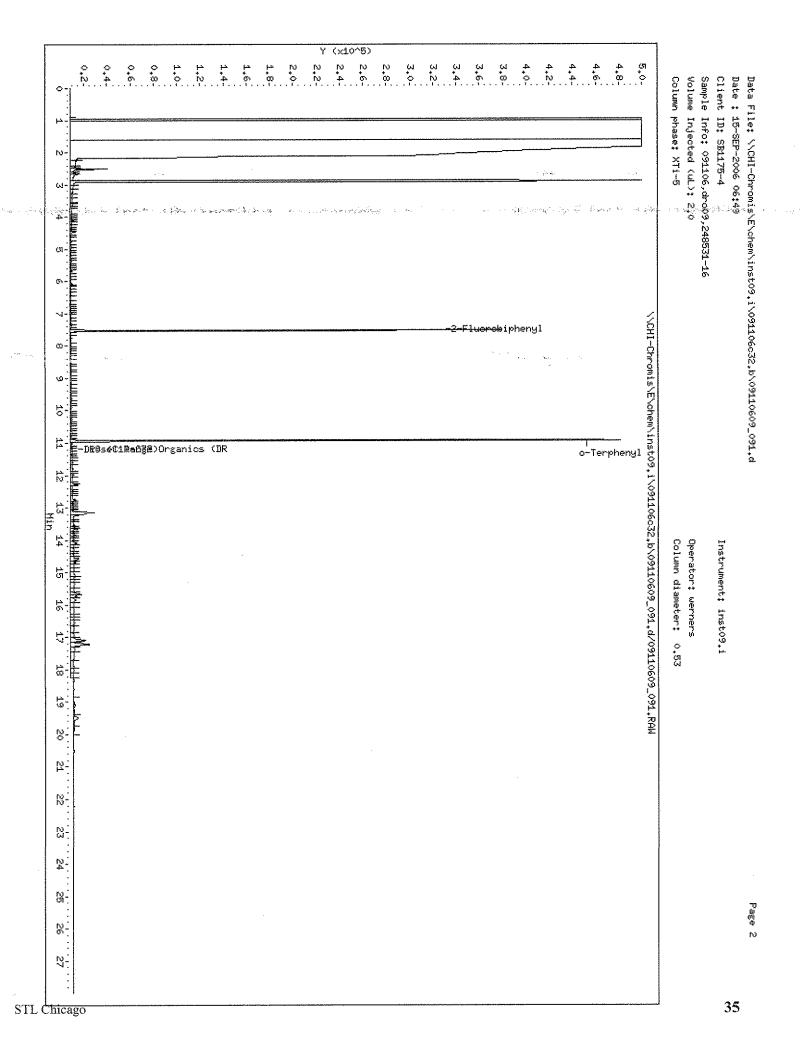
Compounds		RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL (ma/Ka)
		===		-			
\$	8 2-Fluorobiphenyl	7.522	7.534	-0.012	1158077	13.8370	(2.798)
\$	13 o-Terphenyl	10.930	10.941	-0.011	1584901	15.6871	3.172
S	14 DRO (C10-C32)	4.256-	-18.151		8647161	105.880	21.412
S	15 Diesel Range Organics (DRO)	4.256-	-18.151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



CONCENTRATIONS

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* In Description = Dry Wgt.	Method % Solids Determination % Solids, Solid % Solids, Solid % Moisture, Solid	TEST METHOD PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1175-4 Date Sampled: 09/06/2006 Time Sampled: 11:45 Sample Matrix: Soil	Job Number: 248531
<b>C.</b>	N.a.	RIPTION SAMPLE RESULT		LABORA
Page 18	2.1 2.1 2.1 0.10 0.10	ESULT Q FLAGS MDL	Laboratory Sample Date Received Time Received	ATORY TEST RESU
	5.2 1.00000 0.10 1 0.10 1	RL DILUTION	e ID: 248531-16 : 09/07/2006 : 10:0C	LTS
Ar r ·	mg/Kg : 189555 09/ % 188899 09/ % 188899 09/	UNITS BATCH DT D		Date:09/20/2006 ATTN: David Brewer
STL Chicago	09/15/06 0649 san 09/09/06 1948 clb 09/09/06 1948 clb	DATE/TIME TECH		



Data File: 09110609 091.d Report Date: 20-Sep=2006 14:36

### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 091.d 248531-16 Client Smp ID: SB1175-4 15-SEP-2006 06:49 Data file : Lab Smp Id: Inj Date : werners 091106,dro09,248531-16 - Inst ID: inst09:1 Opërator Smp Info Misc Info C= P5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 0-Sep-2006 14:34 werners Quant Type: ESTD 1-SEP-2006 18:05 Cal File: 09110609\_007.d Comment Method Meth Date Date : bottle: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro.sub

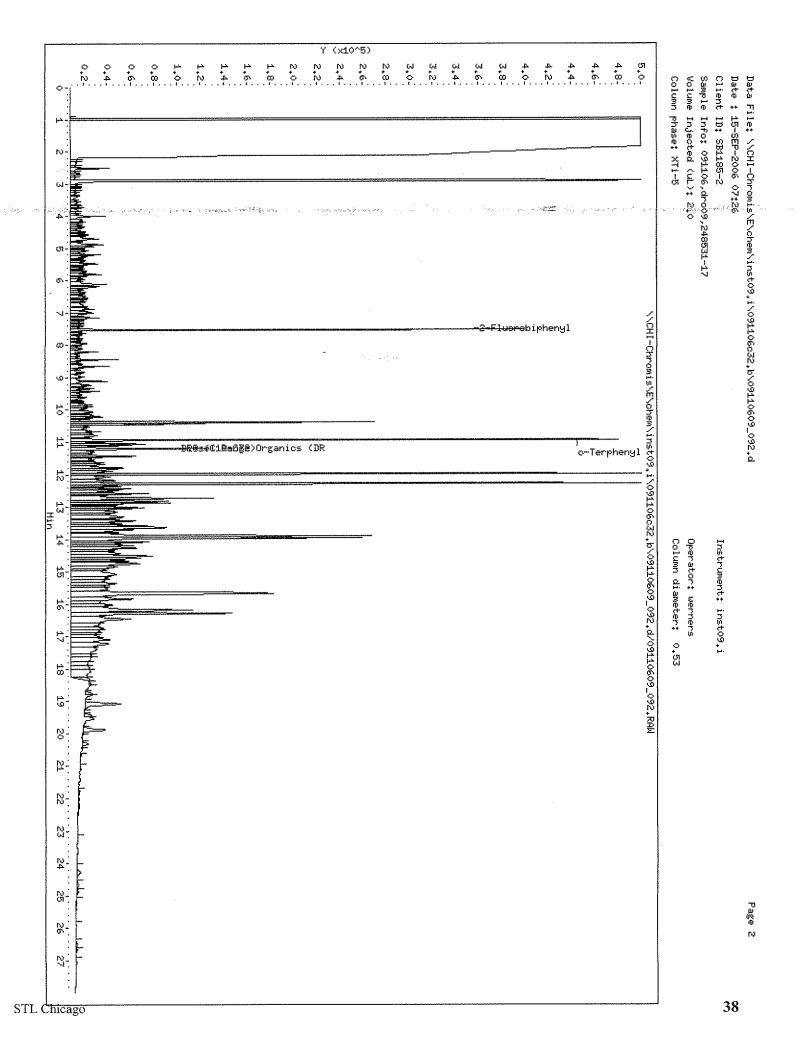
Name	Value	Description
DF Uf Vt Vi Ws M	1.000 2500.000 2500.000 15.228 21.100	Dilution Factor ng unit correction factor Volume of final extract (ul) Volume injected (ul) Weight of sample extracted (g) % Moisture

						CONCENTE	RATIONS	
						ON-COLUMN	FINAL	
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/u1)	(mg/Kg)	
==		men	-					_
\$	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	and the second



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TEST RESULTS Date: 09/20/2006	GSA - SLOP	Laboratory Sample ID: 248531-17  Date Received: 10:00  Time Received: 10:00	FLAGS MDL RL DILUTION UNITS BATCH DT DATE/TIME TECH	2.0 4.8 1.00000 mg/kg 189555 09/15/06 0726 san	0.10 0.10 1 % 188899 09/09/06 1951 ctb 0.10 0.10 1 % 188899 09/09/06 1951 ctb	Page 19
Job Number: 248531	CUSTOMER: SCS Engineers, Inc. PROJECT:	Customer Sample ID: SB1185-2 Date Sampled: 09/06/2006 Time Sampled: 13:10 Sample Matrix: Soil		8015B MDRO   TPH - Diesel Range Organics (DRO)   Diesel Range Organics (DRO), 3541 Solid*	Method % Solids Determination 85.8 % Solids, Solid 85.8 % Moisture, Solid 14.2	* In Description = Dry Wgt.



Data File: 09110609 092.d Report Date: 20-Sep=2006 14:36

### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 092.d 248531-17 Client Smp ID: SB1185=2 15-SEP-2006 07:26 Data file : Lab Smp Id: Inj Date : werners 091106,dro09,248531-17 ----Inst ID: inst09:i Įpērator mp Info isc Info Date Date : bottle: oil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Compound Sublist: 8015dro.sub Processing Host: CHI-GROUPER

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

						CONCENTR	ATIONS	
						ON-COLUMN	FINAL	
Со	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)	
	**************************************			*****				
\$	8 2-Fluorobiphenyl	7.522	7.534	-0.012	1179846	14.0971	2.702	1
\$	13 o-Terphenyl	10.930	10.941	-0.011	1611545	15.9509	3.057	1
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	
								Market Control



, %

Laboratory Sample ID: 248531-18
Date Received...... 09/07/2006
Time Received...... 10:00 PROJECT: GSA - SLOP Q FLAGS ш BORATOR SAMPLE RESULT 86.8 13.2 22 \_ A TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3547 Solid\* PARAMETER/TEST DESCRIPTION Solids Determination Solids, Solid Moisture, Solid Customer Sample ID: SB1185-5
Date Sampled....: 09/06/2006
Time Sampled....: 13:25
Sample Matrix...: Soil Job Number: 248531 CUSTOMER: SCS Engineers, Inc. TEST METHOD 8015B MDRO Method

TECH

DATE/TIME

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David Brewer

ATTN:

Date: 09/20/2006

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09/09/06 1953 ctb 09/09/06 1953 ctb

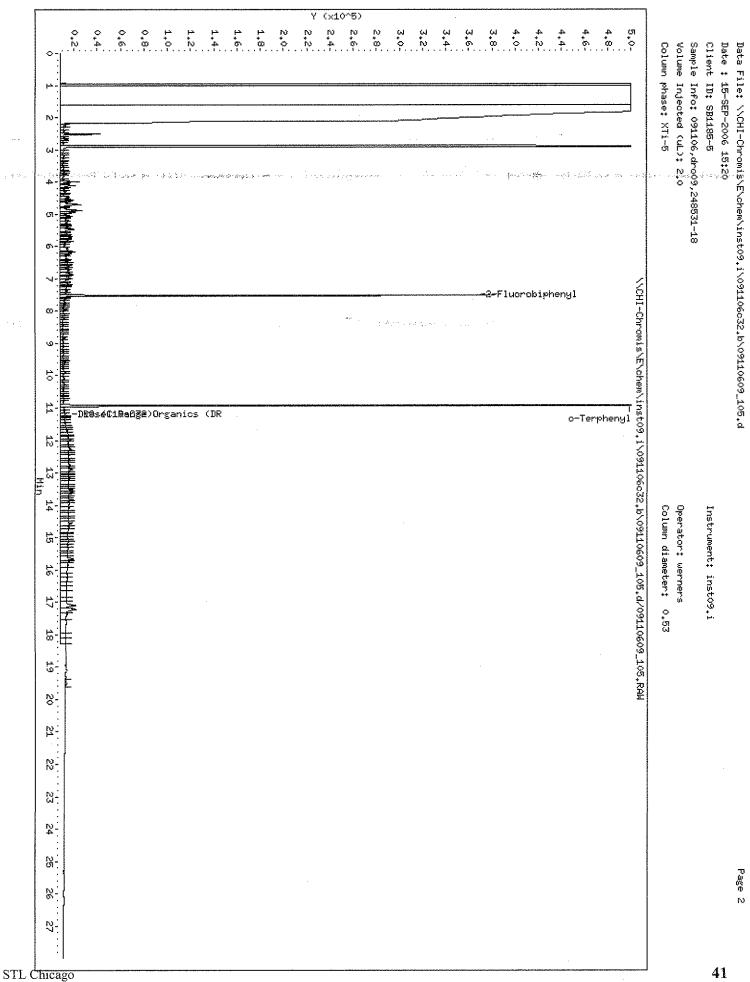
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	Page 20
***	Pag
	* In Description == Dry Wgt.



Data File: 09110609 105.d Report Date: 20-Sep=2006 14:42

#### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 105.d 248531-18 Client Smp ID: SB1185-5 15-SEP-2006 15:20 errners Data file : Lab Smp Id: Inj Date : Inst ID: inst09:i werners 091106,dro09,248531-18 )pĕrator Smp Info 1isc Info Comment Tethod Teth Date Lal Date Date : bottle: )il Factor: 1.0 Integrator: HP Larget Version: Compound Sublist: 8015dro.sub Processing Host: CHI-GROUPER

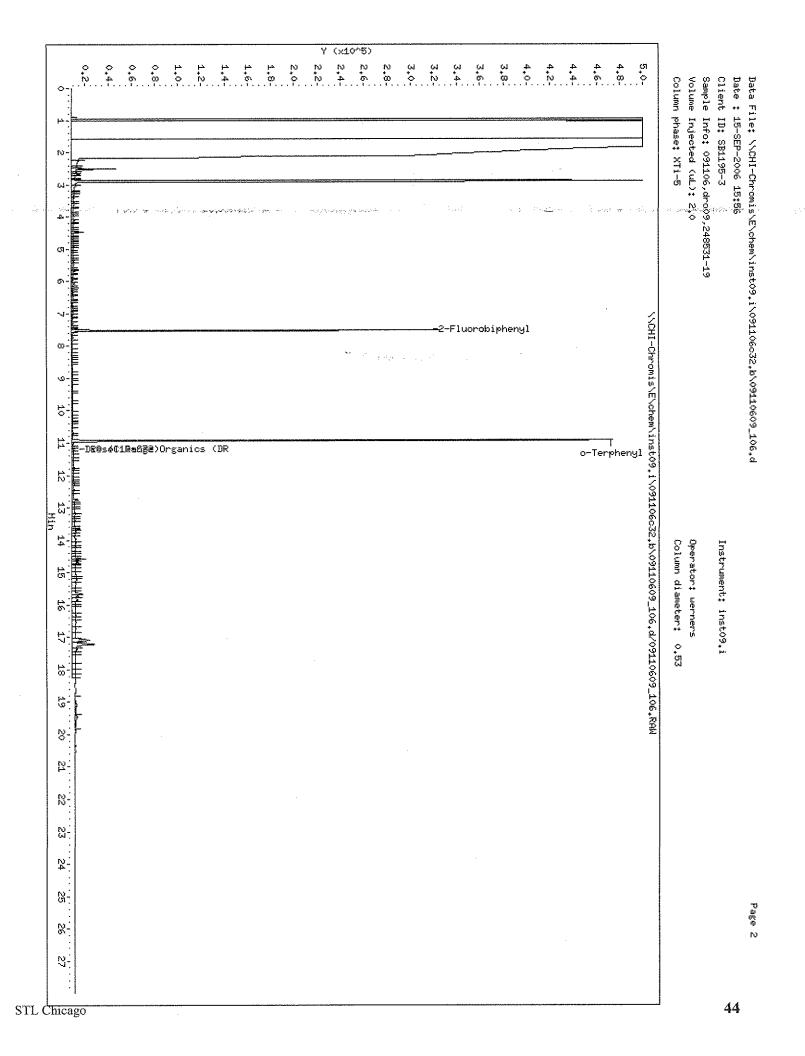
Name	Value	Description
DF Uf Vt Vi WS M	1.000 2.000 2500.000 2.000 15.310 13.200	Dilution Factor ng unit correction factor Volume of final extract (ul) Volume injected (ul) Weight of sample extracted (g) % Moisture

						CONCENTRA	ATIONS	
						ON-COLUMN	FINAL	
Сс	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)	
==		===						****
\$	8 2-Fluorobiphenyl	7.521	7.534	-0.013	1167718	13.9522	/2.625	1
\$	13 o-Terphenyl	10.929	10.941	-0.012	1726278	17.0865	/ 3.214	1
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	



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TECH 09/09/06 1956 clb 09/09/06 1956 clb 09/15/06 1556 san STL Chicago DATE/TIME David Brewer 5 Date: 09/20/2006 BATCH 188899 188899 189555 ATTN UNITS mg/Kg 24 24 DILUTION 1.00000 Laboratory Sample ID: 248531-19
Date Received...... 09/07/2006
Time Received...... 10:00 0.10 5.2 ~ RESULT 0.10 2.1 MDL PROJECT: GSA - SLOP တ ш Q FLAGS Page 21 LABORATORY SAMPLE RESULT 9.3 78.8 21.2 TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid\* PARAMETER/TEST DESCRIPTION \* In Description = Dry Wgt. % Solids Determination % Solids, Solid % Moisture, Solid Customer Sample ID: SB1195-3
Date Sampled.....: 09/06/2006
Time Sampled.....: 14:05
Sample Matrix....: Soil Job Number: 248531 CUSTOMER: SCS Engineers, Inc. TEST METHOD 8015B MDRO Method



Data File: 09110609 106.d Report Date: 20-Sep=2006 14:42

#### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_106.d 248531-19 Client Smp ID: SB1195-3 15-SEP-2006 15:56 Data file : Lab Smp Id: Inj Date : Inst ID: inst09.i werners 091106.dro09.248531-19 gpĕrator. Smp Info Misc Info dc= HP5890 FID XTi-5 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 20-Sep-2006 14:38 werners Quant Type: ESTD 11-SEP-2006 18:05 Cal File: 09110609\_007.d 106 1 00000 HP Genie Compound Sublist: 8015dra ion: 4.04 Comment Method Meth Date Date : bottle: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro.sub

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

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

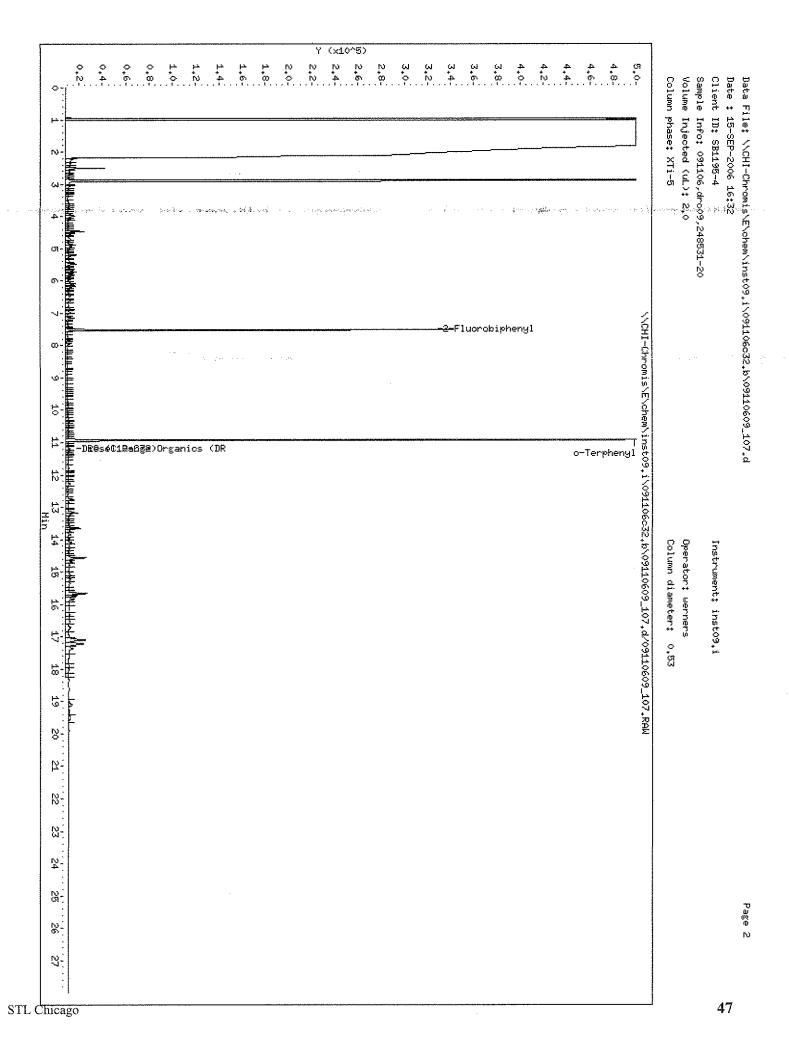
					CONCENTRA	ALIONO	
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)	
	==	****	=====	THE COLUMN SEC SEC. THE THE	**************************************		_
\$ 8 2-Fluorobiphenyl	7.521	7.534	-0.013	975730	11.6583	2.406	
\$ 13 o-Terphenyl	10.927	10.941	-0.014	1499678	14.8436	3.063	)
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	$\mathcal{I}$
							•



CONCENTRATIONS

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			TECH	san	413 413 413		STL Chicago
	(e)		DATE/TIME	09/15/06 1632 san	09/09/06 1959 09/09/06 1959		
Date:09/20/2006	David Brewer		ВАТСН DT	189555	188899 188899	7	-
Date:09	ATTN:		UNITS	mg/Kg	: % %	in the second of	pal e
			DILUTION	1.00000	har har		
S		248531-20 09/07/2006 10:00	N.	5.0	0.10	e de la companya de l	
T RESULTS	4(	Laboratory Sample ID: Date Received: Time Received:	MOL	2.0	0.10		
T E S	GSA - SLOP	Labo Date Time	Q FLAGS				Page 22
ABORATORY	PROJECT:		SAMPLE RESULT 0	12	81.1		98
Job Number: 248531	Engineers, Inc.	Customer Sample ID: SB1195-4 Date Sampled: 09/06/2006 Time Sampled: 14:25 Sample Matrix: Soil	PARAMETER/TEST DESCRIPTION	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	% Solids Determination % Solids, Solid % Moisture, Solid		* In Description = Dry Wgt.
مل	CUSTOMER: SCS Engineers, Inc.	Customer (Date Sample Time Sample Mark	TEST METHOD	8015B MDRO 7	Method		



Data File: 09110609 107.d Report Date: 20-Sep=2006 14:42

#### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_107.d 248531-20 Client Smp ID: SB1195-4 15-SEP-2006 16:32 werners Data file : Lab Smp Id: Inj Date : werners 091106, dro09, 248531-20 Inst ID: inst09:i Opërator Smp Info Misc Info U-HP5890 FID XTi-5 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 20-Sep-2006 14:38 werners Quant Type: ESTD 11-SEP-2006 18:05 Cal File: 09110609\_007.d Comment Method Meth Date Date : bottle: 1,00000 HP Genie on: 4,04 Compound Sublist: 8015dro.sub arget Version: Processing Host: CHI-GROUPER

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

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

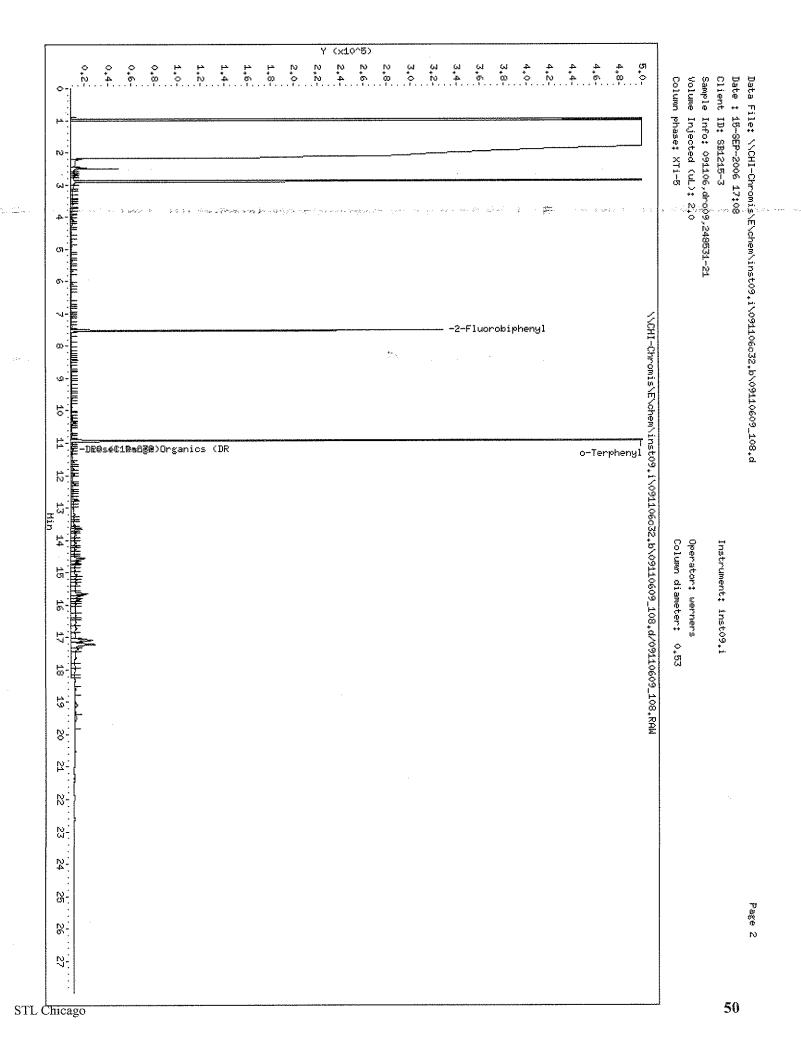
						CONCENTA	(ATTON2
						ON-COLUMN	FINAL
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)
			******				
\$	8 2-Fluorobiphenyl	7.521	7.534	-0.013	1026476	12.2646	2.427
\$	13 o-Terphenyl	10.928	10.941	-0.013	1617473	16.0095	( 3.168
S	14 DRO (C10-C32)	4.256-	18.151		5097642	62.4181	12.351
\$	15 Diesel Range Organics (DRO)	4.256-	18.151		5097642	62.4181	12.351



CONCENTRATIONS

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* In Description = Dry Wgt.		Method % Solids Determination % Solids, Solid % Moisture, Solid	8015B MDRO TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	TEST METHOD PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1215-3 Date Sampled: 09/06/2006 Time Sampled: 15:10 Sample Matrix: Soil	CUSTOMER: SCS Engineers, Inc.	Job Number: 248531
Page 23		19.9 19.9	9.9	SAMPLE RESULT Q FLAGS		PROJECT: GSA — SLOP	LABORATORY TE
		0.10 0.10	2.1	MDL	Laboratory Sample ID: Date Received: Time Received:	SLOP	STRESUL
		0.10	5.2	R	ID: 248531-21 : 09/07/2006 : 10:00		7 S
		<b>→</b>	1.00000	NOTITION			
	4077 4 14	% %	mg/Kg	STINU		ATTN:	Date:0
		188859 188859	189555	ВАТСН		David Brewer	Date:09/20/2006
		09/08/06 1259 Lp 09/08/06 1259 Lp	09/15/06 1708	DATE/TIME		rewer	6
ago		55	)8 san	TECH			



Data File: 09110609 108.d Report Date: 20-Sep-2006 14:42

#### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 108.d 248531-21 Client Smp ID: SB1215-3 15-SEP-2006 17:08 -Data file Lab Smp Id Inj Date werners 091106.dro09,248531-21 Inst ID: inst09.i Uperator Smp Info Misc Info P5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 0-Sep-2006 14:38 werners Quant Type: ESTD 1-SEP-2006 18:05 Cal File: 09110609\_007.d Comment Method Meth Date Date bottle Cal Date : II-SEP-2006 18:05 Als bottle: 108 Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro.sub

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

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

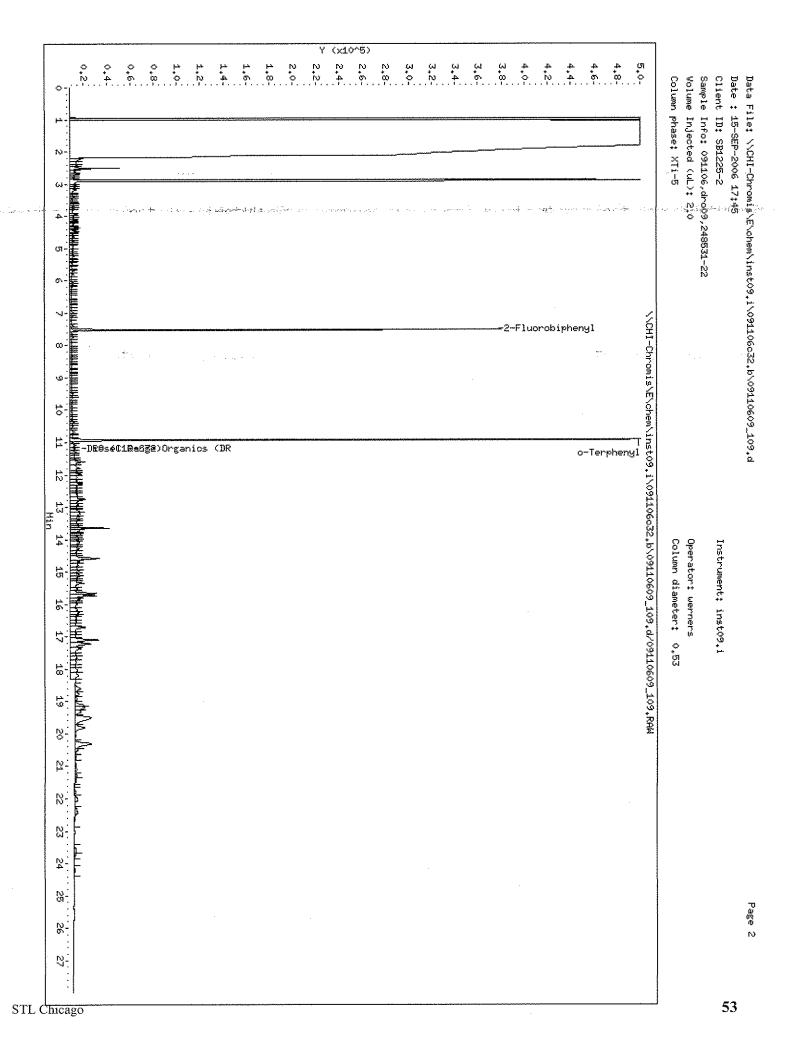
						CONCERNIA	CHOILE
						ON-COLUMN	FINAL
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)
		0000	OC RESIDENCE AND	======	*=*====	=======	
\$	8 2-Fluorobiphenyl	7.520	7.534	-0.014	994315	11.8803	2.452
\$	13 o-Terphenyl	10.927	10.941	-0.014	1858459	18.3948	3.797
S	14 DRO (C10-C32)	4.256-	-18.151		3902820	47.7881	9.864
S	15 Diesel Range Organics (DRO)	4.256	18.151		3902820	47.7881	9.864



CONCENTRATIONS

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-						,	
		Method	8015B MDRO	TEST METHOD	Customer Date San Time San Sample M	CUSTOMER: SCS Engineers,	
* In Description = Dry Wgt.		% Solids Determination % Solids, Solid % Moisture, Solid	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1225-2 Date Sampled: 09/06/2006 Time Sampled: 16:20 Sample Matrix: Soil	Engineers, Inc.	Job Number: 248531
Page 24		81.9 18.1	₩	SAMPLE RESULT   Q FLAGS		PROJECT: GSA -	LABORATORY TE
		0.10 0.10	2.0	MD.	Laboratory Sample ID: Date Received: Time Received:	SLOP	ST RESULTS
gerio di Mari	·.	0.10	5.0	7	: 248531-22 : 09/07/2006 : 10:00		
			1.00000	NOTITU			
ned.	t tened to the original and the second of th	% %	mg/Kg	STINU		ATTN:	Date:09
		188859 188859	189555	BATCH DT		David Brewer	Date:09/20/2006
		09/08/06 1301 09/08/06 1301	09/15/06 1745	DATE/TIME		er	
STL Chicago		<del>- 1 1</del>	5 san	1E CH			



Data File: 09110609 109.d Report Date: 20-Sep=2006 14:42

#### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 109.d 248531-22 Client Smp ID: SB1225-2 15-SEP-2006 17:45 werners Data file : Lab Smp Id: Inj Date : Opërator Smp Info ners 106,dro09,248531-22 Inst ID: inst09.i 4i'sc Info omment ieth\_Date Date : bottle: Cal Date : II-SEP-2006 18:09 Als bottle: 109 Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro.sub

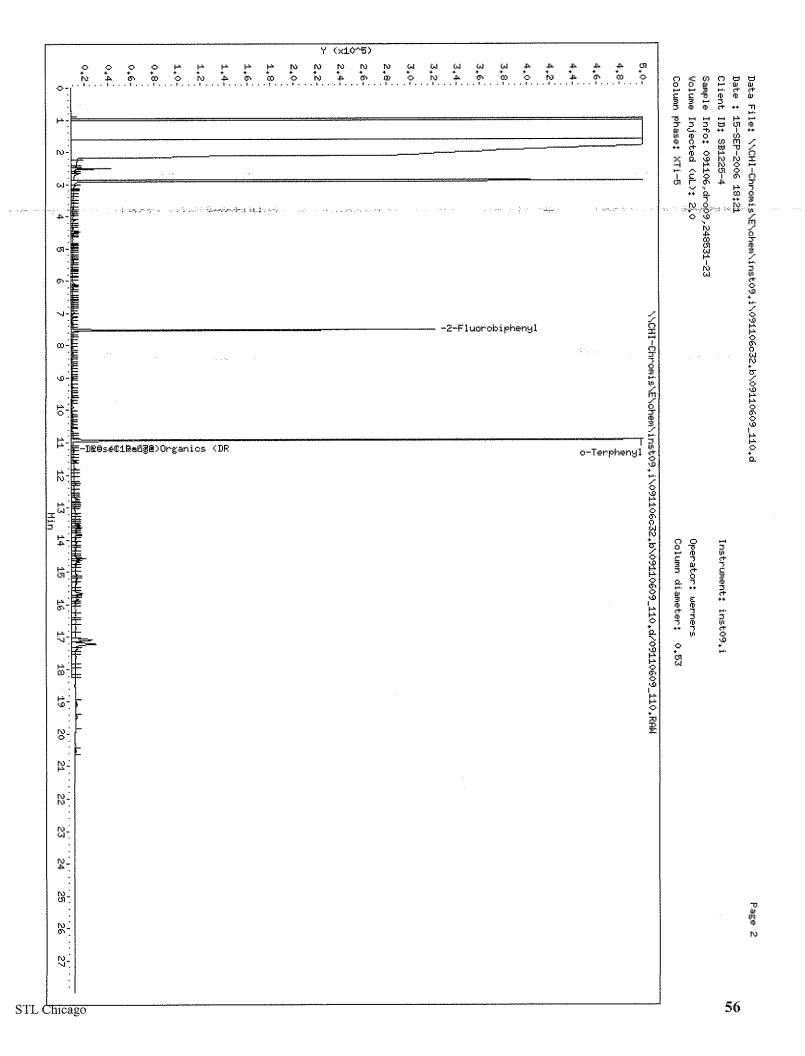
Name	Value	Description
DF Uf Vt Vi Ws M	1.000 2.000 2500.000 2.000 15.283 18.100	Dilution Factor ng unit correction factor Volume of final extract (ul) Volume injected (ul) Weight of sample extracted (g) % Moisture

						CONCENTRA	ATIONS	
						ON-COLUMN	FINAL	
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)	
HE S. S.	**************************************	==				mm=====		
\$	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	



STL Chicago is part of Severn Trent Laboratories, Inc.

		Method	8015B MDRO	TEST METHOD	Custome Date Sa Time Sa Sample!	CUSTOMER: SCS	1
* In Description = Dry Wgt.		<pre>% Solids Determination % Solids, Solid % Moisture, Solid</pre>	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB12254 Date Sampled: 09/06/2006 Time Sampled: 16:40 Sample Matrix: Soil	CUSTOMER: SCS Engineers, Inc.	Job Number: 248531
		77.9 22.1	à	SAMPLE RESULT		PROJECT	LABORATOR
Page 25				Q FLAGS	1 D C	PROJECT: GSA - SLOP	Y TE
		0.10 0.10	2.1	NDL JGM	Laboratory Sample ID: Date Received Time Received	)LOP	ST RESUL
		0.10 0.10	, N	<b>7</b> L	.D: 248531-23 .: 09/07/2006 .: 10:00		S
		e	1.00000	NOTTUTE			
		>< ><	mg/Kg	SITNU		ATTN:	Date
		188859 188859	189555	BATCH		David Brewer	Date:09/20/2006
		09/08/06 1303 09/08/06 1303	09/15/06 1821	DT DATE/TIME		3newer	Ж
ago		03 (p	21 san	EC H			



Data File: 09110609 110.d Report Date: 20-Sep=2006 14:42

#### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 110.d 248531-23 Client Smp ID: SB1225-4 15-SEP-2006 18:21 Data file : Lab Smp Id: Inj Date : werners 091106,dro09,248531-23 Inst ID: inst09:i yperator smp lnto Misc Info P5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 0-Sep-2006 14:38 werners Quant Type: ESTD 1-SEP-2006 18:05 Cal File: 09110609\_007.d omment Date : bottle: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro.sub

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

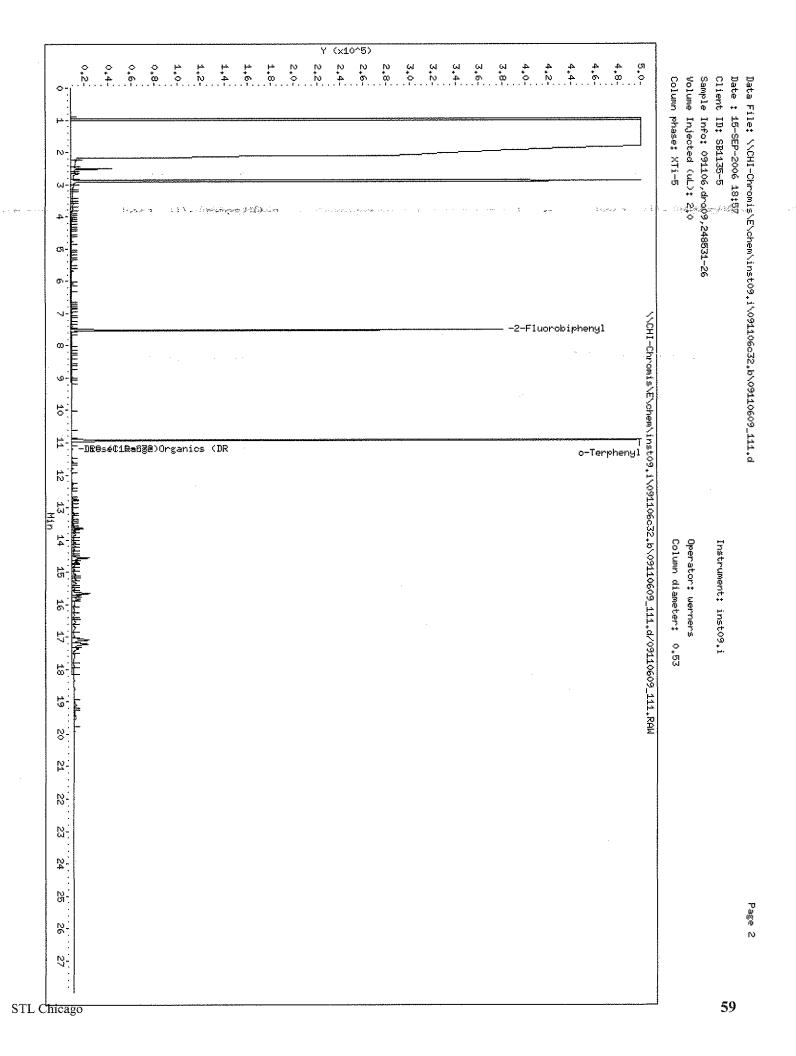
Name	Value	Description
DF Uf Vt Vi Ws	1.000 2.000 2500.000 2.000 15.359 22.100	Dilution Factor ng unit correction factor Volume of final extract (ul) Volume injected (ul) Weight of sample extracted (g) % Moisture

						CONCENTRA	ATIONS
						ON-COLUMN	FINAL
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)
==			*****		-		
\$	8 2-Fluorobiphenyl	7.520	7.534	-0.014	960410	11.4752	/ <sup>1</sup> 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



STL Chicago is part of Severn Trent Laboratories, Inc.

	Method	8015B MDRO	TEST METHOD	Customer Date Samp Time Samp Sample Ma	CUSTOMER: SCS Engineers, Inc	£
* In Description = Dry Wgt.	% Solids Determination % Solids, Solid % Moisture, Solid	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1135-5 Date Sampled: 09/05/2006 Time Sampled: 17:30 Sample Matrix: Soil	ingineers, Inc.	Job Number: 248531
-	79.8 20.2	4.7	SAMPLE RESULT		PROJECT: GSA -	ABORATORY
Page 28		ص	Q FLAGS	Lat Tin		T E S
	0.10 0.10	2.0	<b>5</b>	Laboratory Sample ID: 248531-26 Date Received 09/07/2006 Time Received 10:00	SLOP	TRESUL
= + <u> </u>	0.10 0.10	5.0		0: 248531-26 .: 09/07/2006 .: 10:00		T 8
	Eur Eur	1.00000	DILUTION			
	% % :	mg/Kg	UNITS	in the second se	ATTN:	Date:0
	188859 188859	189555	ватсн		David Brewer	Date:09/20/2006
	09/08/06 1308 09/08/06 1308	09/15/06 1857 san	DT DATE/TIME		ewer	
ago	5-5	san	TE CH			



Data File: 09110609 111.d Report Date: 20-Sep=2006 14:42

### STL Chicago

SW846 Method 8015 CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_111.d 8531-26 Client Smp ID: SB1135-5 -SEP-2006 18:57 Data file Lab Smp Id Inj Date ners 106,dro09,248531-26 Inst ID: inst09.i Operator mp Info isc Info 5890 FID XTi-5 CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m J-Sep-2006 14:38 werners Quant Type: ESTD J-SEP-2006 18:05 Cal File: 09110609\_0 omment Quant Type: ESTD Cal File: 09110609\_007.d Date bottle 00000 Factor: Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro.sub

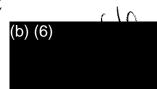
Concentration Formula: Amt \* DF \* (Uf \* Vt/((Vi \* Ws \* 1000) \* (100-M)/100))

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

						CONCENTRA	41 10112	
						ON-COLUMN	FINAL	
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(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

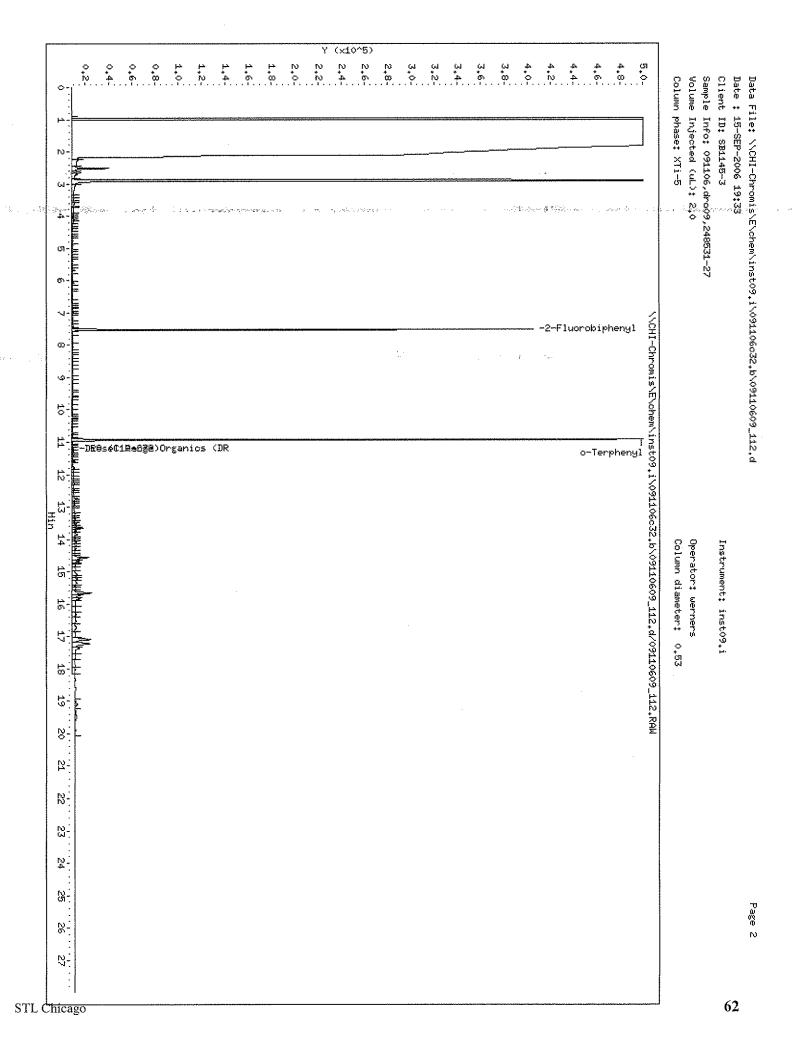
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).



COMPENIEDATIONS

STL Chicago is part of Severn Trent Laboratories, Inc.

	·	Method	8015B MDRO	TEST METHOD	Custome: Date San Time San Sample M	CUSTOMER: SCS	
* In Description = Dry Wgt.		% Solids Determination % Solids, Solid % Moisture, Solid	TPH - Diesel Range Organics (DRO) Diesel Range Organics (DRO), 3541 Solid*	PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1145-3 Date Sampled: 09/05/2006 Time Sampled: 18:00 Sample Matrix: Soil	Engineers, Inc.	Job Number: 248531
			*				L A
		78.4 21.6	8.0	SAMPLE RESULT		PROJECT: GSA	BORATOR
Page 29				Q FLAGS	Labo Dat Time	: GSA - SLOP	~ Т гя S
		0.10 0.10	2.0	MDL	Laboratory Sample ID: Date Received: Time Received:	ŷ.	TRESUL
	· · · · · · · · · · · · · · · · · · ·	0.10	<b>ن</b> ا نام	R.	D: 248531-27 .: 09/07/2006 .: 10:00		IJ.
			1.00000	DILUTION			
ar go	terrore to the control of the contro	× ×	mg/Kg	STINU	A	ATTN:	Date:[
		188859 188859	189555	ВАТСН		David Brewer	Date:09/20/2006
		09/08/06 1310 09/08/06 1310	09/15/06 1933	DT DATE/TIME		ewer	-
STL Chicago		55	san	HO3T			***************************************



Data File: 09110609 112.d Report Date: 20-Sep=2006 14:42

#### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 112.d 248531-27 Client Smp ID: SB1145-3 15-SEP-2006 19:33 werners Data file : Lab Smp Id: Inj Date : Inst ID: inst09:i Operator Smp Info Misc Info werners 091106,dro09,248531-27 P5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 0-Sep-2006 14:38 werners Quant Type: ESTD 1-SEP-2006 18:05 Cal File: 09110609\_007.d Comment Method Date : pottle: Cal Date : II-SEP-2006 18:05 Als bottle: I12 Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: 8015dro.sub.

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

						CUNCENTRA	411UN2	
						ON-COLUMN	FINAL	
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)	
-=		==					<i>f===</i>	
\$	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	



# STANDARDS DATA

#### **DRO/Diesel Fuel Standard Concentrations**

Calibration Standards	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 o-Terphenyl	200 μg/mL 200
	· ·

#### **Spike Concentration**

Diesel Fuel	$4000~\mu g/mL$

#### 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	$10 \cdot \mu \text{g/mL}$
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)\_ DRO (C10-C32) 88765 88765 79626 79626 2-Fluorobiphenylo-Terphenyl

(b) (6)

FORM VI TEPH

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^2
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

## TEPH CONTINUING CALIBRATION CHECK

Lab Name: STL CHICAGO

Contract:

Lab Code: Case No.: SAS No.: SDG No.: 091106C32

Instrument ID: INST09 Calibration Date: 09/11/06 Time: 1842

Init. Calib. Times: 1504 1805

GC Column: XTI-5 ID: 0.53 (mm)

COMPOUND	CF	CF250	NA	%D	MAX %D
Diesel Range Organics (DRO)_ DRO (C10-C32)_	81669 81669	75247 75247 75247	0.01	7.9 7.9	15.0 15.0
2-Fluorobiphenyl o-Terphenyl	83694 101032	78128 94807	0.01	6.6 6.2	15.0 15.0

(b) (6)

FORM VII TEPH

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	FROM	NDOW TO	CONCENTRATION	MEAN CONCENTRATION	N/A
Diesel Range	1-2004-0	11.20	4.26	18.15	230.34	230.34 *	ر ز ر ر
DRO (C10-C32	1 120345	11.20	4.26	18.15	230.34		
XTI-5	45					230.34	
2-Fluorobiph XTI-5	12345	7.53 	7.50 	7.56 	9.335	9.335	
o-Terphenyl XTI-5	12345	10.94	10.91	10.97	9.384	The state of the s	
//// V	5					9.384	

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 RÊC #	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:

FORM III TEPH

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 WI FROM	WOOM TO	CONCENTRATION	CONCENTRATION	N/A
Diesel Range	1 2 2	11.20	4.26	18.15	1.181		
XTI-5	2345		**************************************			1.181	
DRO (C10-C32 XTI-5	12345	11.20	4.26	18.15	1.181		
	545					1.181	
2-Fluorobiph XTI-5	12345	7.53	7.50	7.56	0.04935		
	5					0.04935	
o-Terphenyl XTI-5	12345	10.94	10.91	10.97	0.04755		
	5					0.04755	0

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

## 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: 0312

Init. Calib. Times: 1504

1805

GC Column: XTI-5 ID: 0.53 (mm)

COMPOUND	CF	CF250	NA	%D	MAX %D
Diesel Range Organics (DRO)_	81669	80070	0.01	2.0	15.0
DRO (C10-C32)_	81669	80070	0.01	2.0	15.0
2-Fluorobiphenyl	83694	81357	0.01	2.8	15.0
o-Terphenyl	101032	99856		1.2	15.0

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

ANALYTE	PEAK	RT	FROM	NDOW TO	CONCENTRATION	MEAN CONCENTRATION	N/A
Diesel Range	12345	11.20	4.26	18.15	245.10	045 10	
DRO (C10-C32		11.20	4.26	18.15	245.10	245.10	
XTI-5	2345					245.10	
2-Fluorobiph XTI-5	12345	7.52 	7.50 	7.56 	9.721	0.701	
o-Terphenyl		10.93	10.91	10.97	9.884	9.721	
XTI-5	12345					9.884	

## 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: 0841

Init. Calib. Times: 1504 1805

GC Column: XTI-5 ID: 0.53 (mm)

COMPOUND	CF	CF500	NA NA	%D	MAX %D
Diesel Range Organics (DRO)_	81669	82747	0.01	1.3	15.0
DRO (C10-C32)	81669	82747		1.3	15.0
2-Fluorobiphenyl	83694	85896	0.01	2.6	15.0
o-Terphenyl	101032	104708		3.6	15.0

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	FROM	NDOW TO	CONCENTRATION	MEAN CONCENTRATION	N/A
Diesel Range	12345	11.20	4.26	18.15	506.60		
XTI-5	5					506.60	
DRO (C10-C32	1 2	11.20	4.26	18.15	506.60		NAMA NAMA (AMANA AMANA A
XTI-5	12345					506,60	
2-Fluorobiph	12345	7.52	7.50	7.56	25.658		
XTI-5	5					25.658	
o-Terphenyl	12345	10.93	10.91	10.97	25.910		
XTI-5	545					25.910	

## 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: 1407

Init. Calib. Times: 1504 1805

GC Column: XTI-5 ID: 0.53 (mm)

COMPOUND	CF	CF250	NA	%D	MAX %D
Diesel Range Organics (DRO)_ DRO (C10-C32)	81669 81669	79472 79472	0.01 0.01	2.7 2.7	15.0 15.0
2-Fluorobiphenyl o-Terphenyl	83694 101032	82220 99260	0.01	1.8	15.0 15.0

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	FROM	NDOW TO	CONCENTRATION	MEAN CONCENTRATION	N/A
	Diesel Range	12345	11.20	4.26	18.15	243.28		
singer carl	VII-O	5					243.28	
	DRO (C10-C32	1 2	11.20	4.26	18.15	243.28		**************************************
	XTI-5	12345					243.28	
	2-Fluorobiph	12345	7.52	7.50	7.56	9.824		
	XTI-5	5 4 5			N		9.824	
	o-Terphenyl	1 2	10.93	10.91	10.97	9.824		
-	XTI-5	12345					9.824	

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

Init. Calib. Times: 1504

1805

GC Column: XTI-5 ID: 0.53 (mm)

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

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 WI FROM	NDOW TO	CONCENTRATION	MEAN CONCENTRATION	N/A
Diesel Range	1234	11.20	4.26	18.15	480.54		acontini.
XTI-5	5	, <del>,</del>				480.54	matan sanggaran sa sanata
DRO (C10-C32	1 2	11.20	4.26	18.15	480.54	illustrate lauto etan Adole Petr sant Production de la companya especiale del companya especiale del companya especiale de la companya especiale de la companya especiale del companya especiale de la companya especiale del	
XTI-5	12345					480.54	
2-Fluorobiph	1 2	7.52	7.50	7.56	24.870		gamaggi siakang-tamagi iganing kambat-amagai
XTI-5	12345					24.870	Ja -
o-Terphenyl	1 2	10.93	10.91	10.97	24.938		<u></u>
XTI-5	12345					24.938	

# TEPH CONTINUING CALIBRATION CHECK

Lab Name: STL CHICAGO

Contract:

Lab Code: Case No.: SAS No.: SDG No.: 091106C32

Instrument ID: INST09 Calibration Date: 09/16/06 Time: 0024

Init. Calib. Times: 1504 1805

GC Column: XTI-5 ID: 0.53 (mm)

COMPOUND	CF	CF250	NA	%D	MAX %D
Diesel Range Organics (DRO)_	81669	82888	0.01	1.5	15.0
DRO (C10-C32)	81669	82888	0.01	1.5	15.0
2-Fluorobiphenyl	83694	77007	0.01	8.0	15.0
o-Terphenyl	101032	93874		7.1	15.0

Lab Name: STL CHICAGO

Contract:

DIESELCCV3

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	FROM	NDOW TO	CONCENTRATION	MEAN CONCENTRATION	N/A
Diesel Range	1234	11.20	4.26	18.15	253.73		
XTI-5	<u>4</u>   5		<del></del>		AMARIAMATA	253.73	una massanggaranti oʻli birti magʻada
DRO (C10-C32	1 2	11.20	4.26	18.15	253.73		AND THE PROPERTY OF THE PROPER
XTI-5	-2345					253.73	
2-Fluorobiph	12345	7.52	7.50	7.56	9.201		Sector HTA Sh. SHIRAK SHOWED A STATE OF THE SHIRAK SHOWED
XTI-5	5		4474044			9.201	
o-Terpheny1	1 2	10.92	10.91	10.97	9.292		
XTI-5	12345					9.292	

## 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

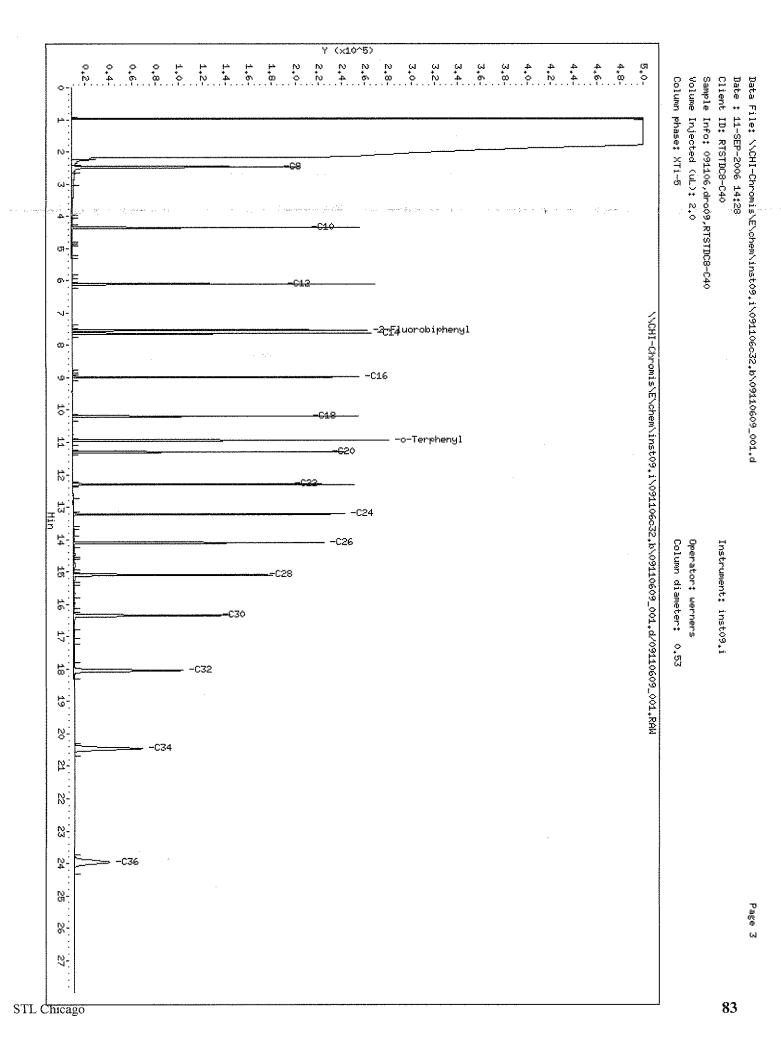
Instrument ID: INST09

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

MEAN SURRO   SI : 7.53	GATE RT FROM 1 S2 : 1	NITIAL CALI 10.94	BRATION		
CLIENT SAMPLE NO.	SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	\$2 RT #
01 RTSTDC8-C40 02 03 DIESEL2500 03 DIESEL2500 04 DIESEL2500 05 DIESEL2500 06 07 DIESEL2500 07 DIESEL2500 08 DIESEL2500 09 DIESEL2500 09 DIESEL2500 09 DIESEL2500 11 11 11 11 11 11 11 11 11 11 11 11 11	RTSTDC8-C40 DIESEL1000 DIESEL250 DIE	66666666666666666666666666666666666666	240463952832841739617062851736514 25566720432841739617062851736514 11556672890230 1156778890230 1156778890230 1156778890230	343333333333322222222222222222222222222	99999999999999999999999999999999999999

S1 = 2-Fluorobiphenyl S2 = o-Terphenyl

page 1 of 1



Data File: 09110609 001.d Report Date: 20-Sep=2006 14:45

#### STL Chicago

```
SW846 Method 8015
\\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609_001.d
RTSTDC8-C40 Client Smp ID: RTSTDC8-C40
uerners -
Data file :
Lab Smp Id:
Inj Date :
Operator
Smp Info
Misc Info
                           werners
091106,dro09,RTSTDC8-C40
                                                                                             Inst ID: inst09:i
                              C=
P5890 FID XTi-5
\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m
0-Sep-2006 14:45 werners Quant Type: ESTD
1-SEP-2006 18:05 Cal File: 09110609_007.d
Comment
Method
Meth Date
Cal Date
         Date :
bottle:
Dil Factor: 1.00000
Integrator: HP Genie
Target Version: 4.04
Processing Host: CHI-GROUPER
                                                                                             Compound Sublist: dsl.sub
```

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

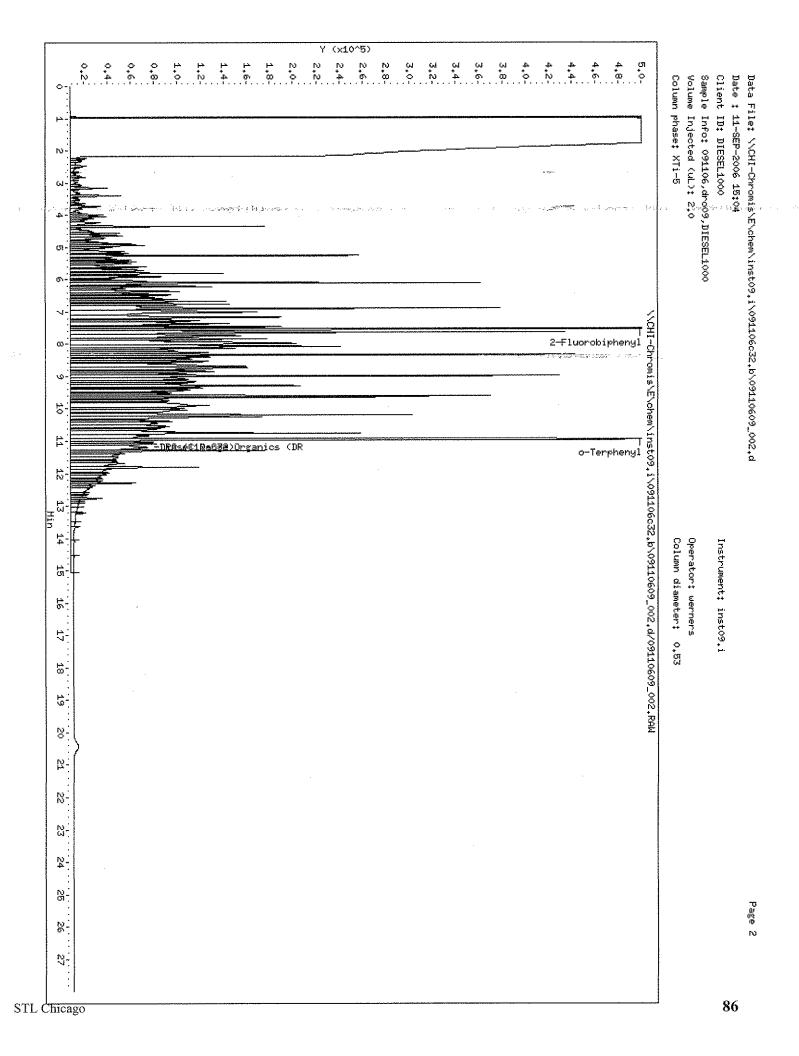
					CONCENTRATIONS		
Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng/ul)	FINAL ( mg/L)	
1 (8		2 472		804949		(a)	
	4.356	4.356	0.000	777961		(a)	
4 C12	6.108	6.108	0.000	738673		(a)	
8 2-Fluorobiphenyl	7.534	7.534	0.000	717677	8.57498	0.04287	
9 C14	7.633	7.633	0.000	737521		(a)	
11 C16	8.984	8.984	0.000	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)	
	1 C8 2 C10 4 C12 8 2-Fluorobiphenyl 9 C14 11 C16 12 C18 13 o-Terphenyl 16 C20 17 C22 18 C24 19 C26 20 C28	1 C8 2.472 2 C10 4.356 4 C12 6.108 8 2-Fluorobiphenyl 7.534 9 C14 7.633 11 C16 8.984 12 C18 10.198 13 o-Terphenyl 10.941 16 C20 11.296 17 C22 12.299 18 C24 13.219 19 C26 14.100 20 C28 15.097	1 C8       2.472       2.472         2 C10       4.356       4.356         4 C12       6.108       6.108         8 2-Fluorobiphenyl       7.534       7.534         9 C14       7.633       7.633         11 C16       8.984       8.984         12 C18       10.198       10.198         13 o-Terphenyl       10.941       10.941         16 C20       11.296       11.296         17 C22       12.299       12.299         18 C24       13.219       13.219         19 C26       14.100       14.100         20 C28       15.097       15.097	1 C8       2.472       2.472       0.000         2 C10       4.356       4.356       0.000         4 C12       6.108       6.108       0.000         8 2-Fluorobiphenyl       7.534       7.534       0.000         9 C14       7.633       7.633       0.000         11 C16       8.984       8.984       0.000         12 C18       10.198       10.198       0.000         13 o-Terphenyl       10.941       10.941       0.000         16 C20       11.296       11.296       0.000         17 C22       12.299       12.299       0.000         18 C24       13.219       13.219       0.000         19 C26       14.100       14.100       0.000         20 C28       15.097       15.097       0.000	1 C8       2.472       2.472       0.000       804949         2 C10       4.356       4.356       0.000       777961         4 C12       6.108       6.108       0.000       738673         8 2-Fluorobiphenyl       7.534       7.534       0.000       717677         9 C14       7.633       7.633       0.000       737521         11 C16       8.984       8.984       0.000       737282         12 C18       10.198       10.198       0.000       745026         13 o-Terphenyl       10.941       10.941       0.000       811514         16 C20       11.296       11.296       0.000       743776         17 C22       12.299       12.299       0.000       746038         18 C24       13.219       13.219       0.000       768770         19 C26       14.100       14.100       0.000       794181         20 C28       15.097       15.097       0.000       804777	RT   EXP RT   DLT RT   RESPONSE   (ng/ul)	

Data File: 09110609 001.d Report Date: 20-Sep=2006 14:45

						CONCENTRA	ATIONS	
						ON-COLUMN	FINAL	_
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	( mg/L	_)
	A ANA CINA			=====				<del></del>
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.



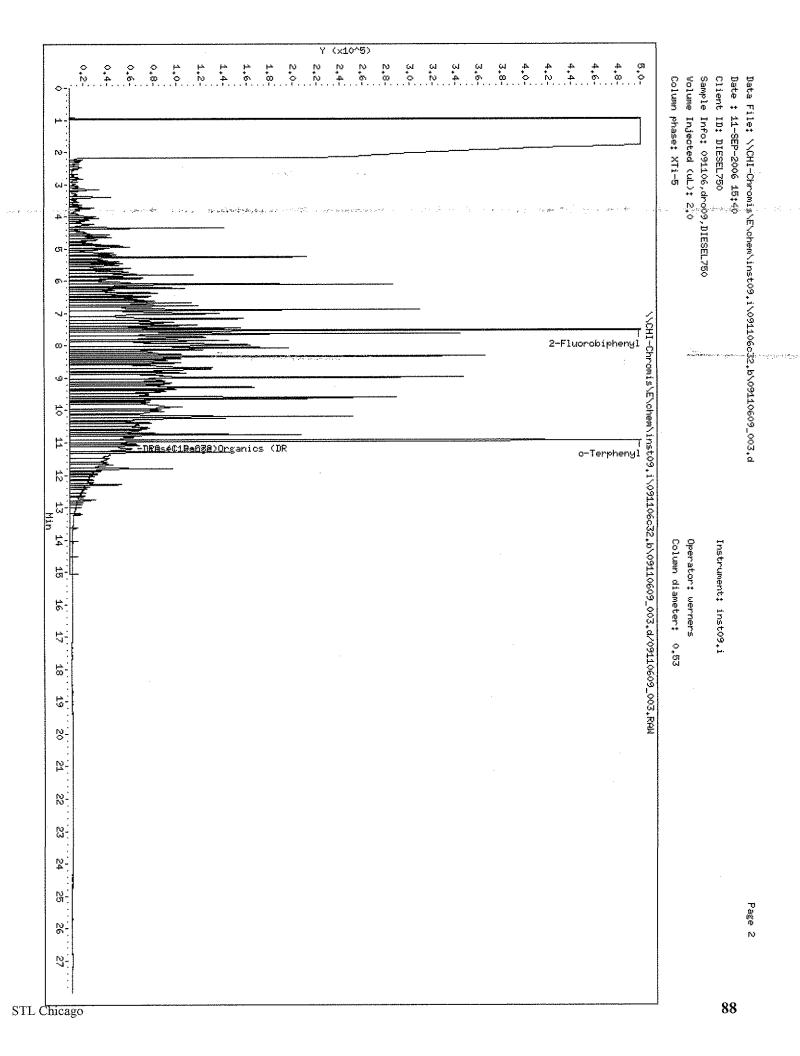
Data File: 09110609 002.d Report Date: 20-Sep=2006 14:45

### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_002.d DIESEL1000 Client Smp ID: DIESEL1000 11-SEP-2006 15:04 werners Data file : Lab Smp Id: Inj Date : 💮 🤏 🐃 Inst ID: 🛉 inst09:i 😁 Operator Smp Info Misc Info werners 091106,dro09,DIESEL1000 dc= HP5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 20-Sep-2006 14:45 werners Quant Type: ESTD T1-SEP-2006 15:04 Calibration Sample, Level: 6 Comment Method Meth Date Yeth Date Date : botțle: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: icaldro.sub

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

					AMOUN	TS
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(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



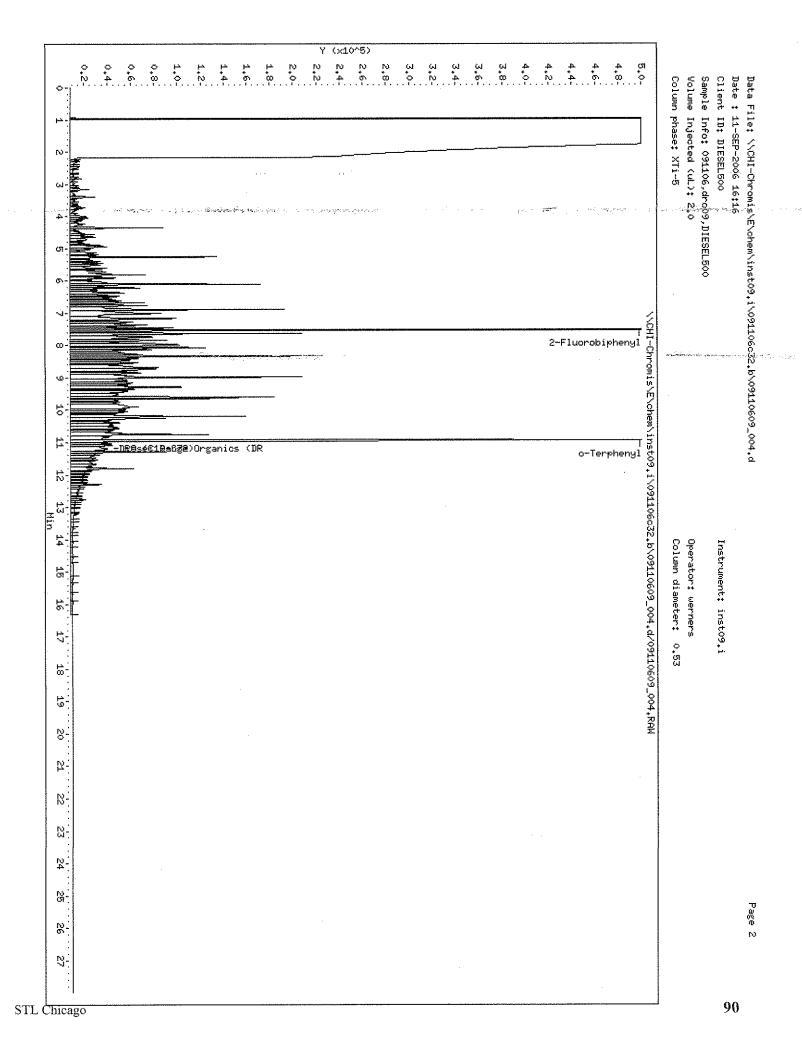
Data File: 09110609 003.d Report Date: 20-Sep=2006 14:45

### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_003.d DIESEL750 Client Smp ID: DIESEL750 11-SEP-2006 15:40 Data file : Lab Smp Id: Inj Date : Operator Smp Info Misc Info werners 091106,dro09,DIESEL750 Inst ID: inst09:i dc= HP5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 20-Sep-2006 14:45 werners Ouant Type: ESTD 11-SEP-2006 15:04 Calibration Sample, Level: 5 omment Method Meth Date Date : bottle: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: icaldro.sub

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)		
EEC 11172			<del></del>				
7.533	7.534	-0.001	3027616	35.0000	36.175		
10.941	10.941	0.000	3572210	35.0000	35.357		
4.256-	18.151		59218038	750.000	725.10		
4.256-	-18.151		59218038	750.000	725.10		
	7.533 10.941 4.256-	7.533 7.534	7.533 7.534 -0.001 10.941 10.941 0.000 4.256-18.151	7.533 7.534 -0.001 3027616 10.941 10.941 0.000 3572210 4.256-18.151 59218038	CAL-AMT RT EXP RT DLT RT RESPONSE (ng/ul)  7.533 7.534 -0.001 3027616 35.0000 10.941 10.941 0.000 3572210 35.0000 4.256-18.151 59218038 750.000		



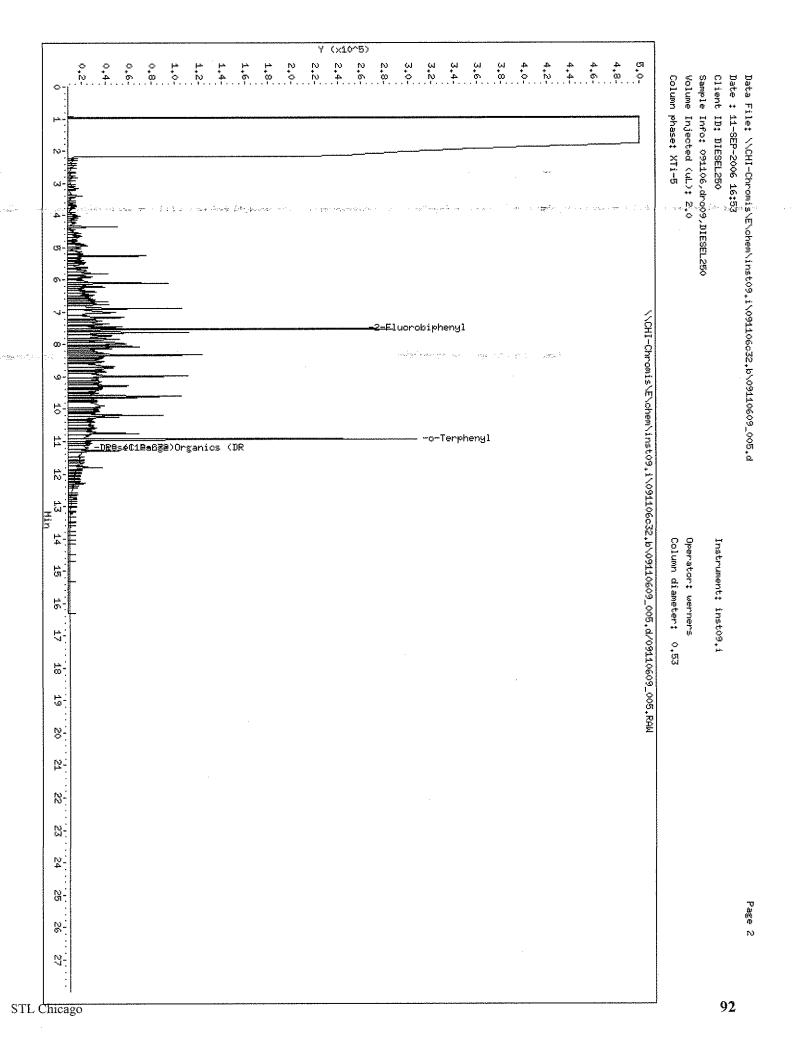
Data File: 09110609 004.d Report Date: 20-Sep=2006 14:45

#### STL Chicago

SW846 Method 8015 CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_004.d ESEL500 Client Smp ID: DIESEL500 -SEP-2006 16:16 Data file : Lab Smp Id: Inj Date : Inst ID: inst09:i Opërator Smp Info werners 091106,dro09,DIESEL500 Misc Info omment Method Meth Date Date : bottle: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: icaldro.sub

Name	Value	Description
DF Uf Vt Vo Vi	1.000 2.000 5000.000 1000.000 2.000	Dilution Factor ng coversion factor FinalVolume (ul) SampleVolume (ml) InjectionVol (ul)

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)
	==		DE MENO MENO ME		###====	=======================================
\$ 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



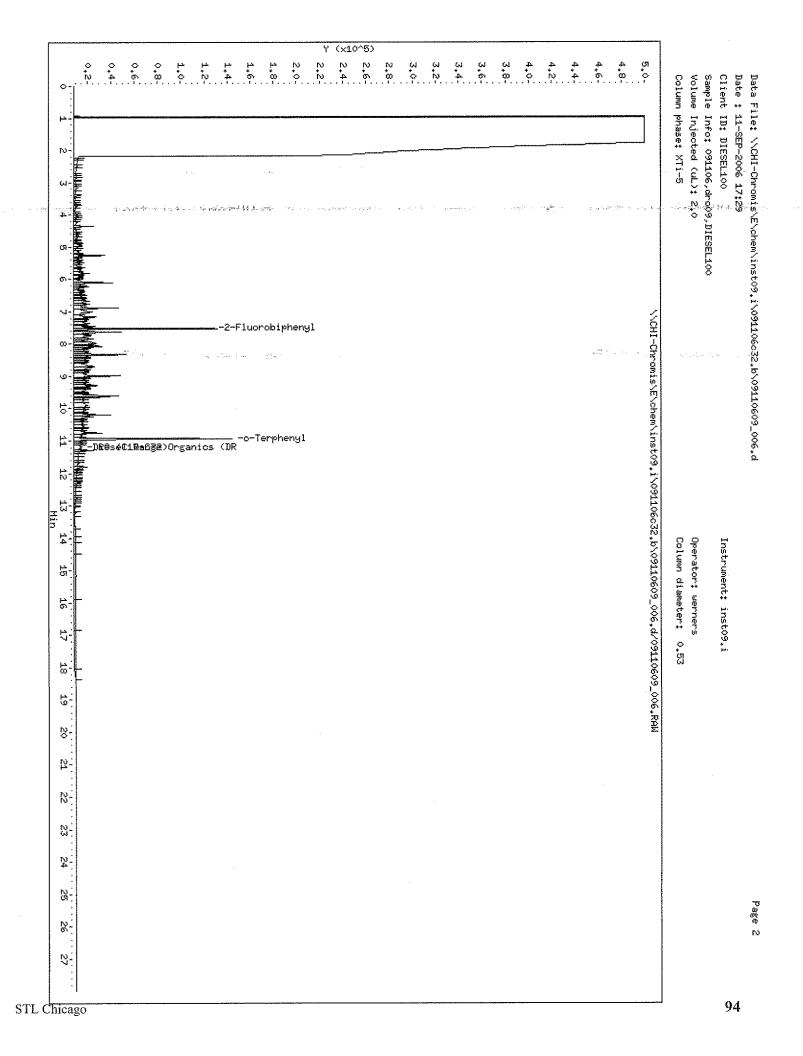
Data File: 09110609 005.d Report Date: 20-Sep=2006 14:45

### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_005.d DIESEL250 Client Smp ID: DIESEL250 11-SEP-2006\_16:53 Data file : Lab Smp Id: Inj Date : Inst ID: inst09.i )përator Smp Info werners 091106,dro09,DIESEL250 (11'sc Info omment Method : Meth Date : Cal Date : Als bottle: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: icaldro.sub

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

					AMOUN	ITS
•					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)
		***	~===		****	122
\$ 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



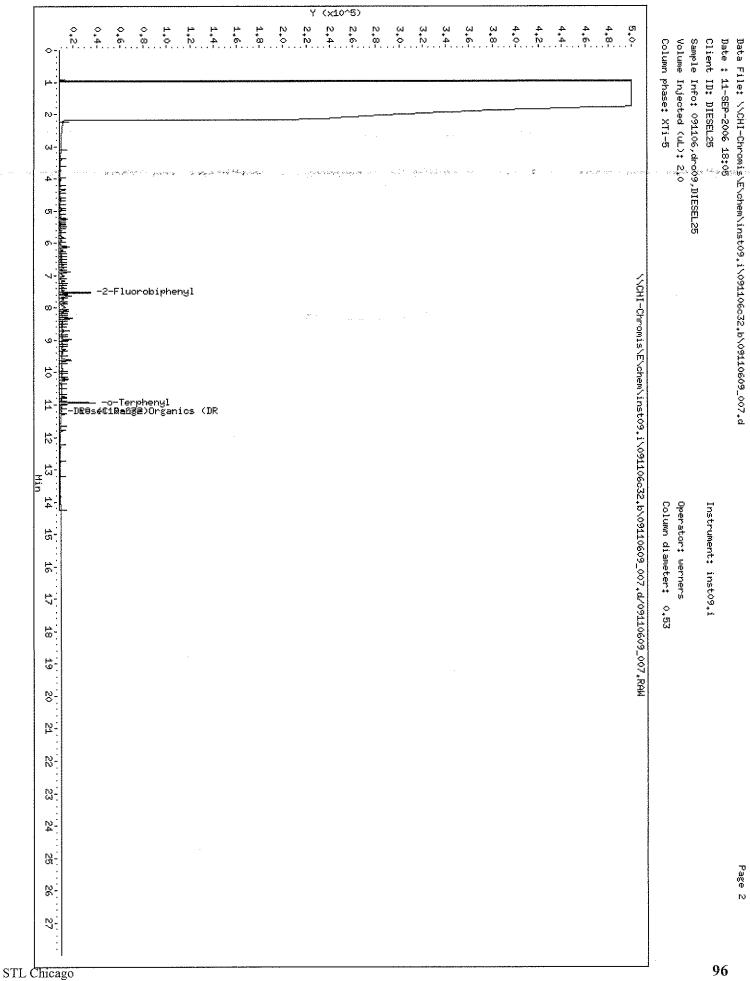
Data File: 09110609 006.d Report Date: 20-Sep=2006 14:46

### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609.006.d DIESEL100 Client Smp ID: DIESEL100 11-SEP-2006 17:29 Data file : Lab Smp Id: Inj Date : werners 091106,dro09,DIESEL100 Inst ID: inst09:i Opërator Smp Info lisc Info dc= HP5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 20-Sep-2006 14:46 werners Quant Type: ESTD 11-SEP-2006 15:04 Calibration Sample, Level: 2 Method Yeth Date Jal Date omment leth bate:
lal Date:
lal Date:
lal Batton:
lal Factor:
lategrator: Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: icaldro.sub

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

•					AMOUN	TS
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)
11 m m m m m m m m m m m m m m m m m m	1001/100	7.1. W. W. W. W. W.				
\$ 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



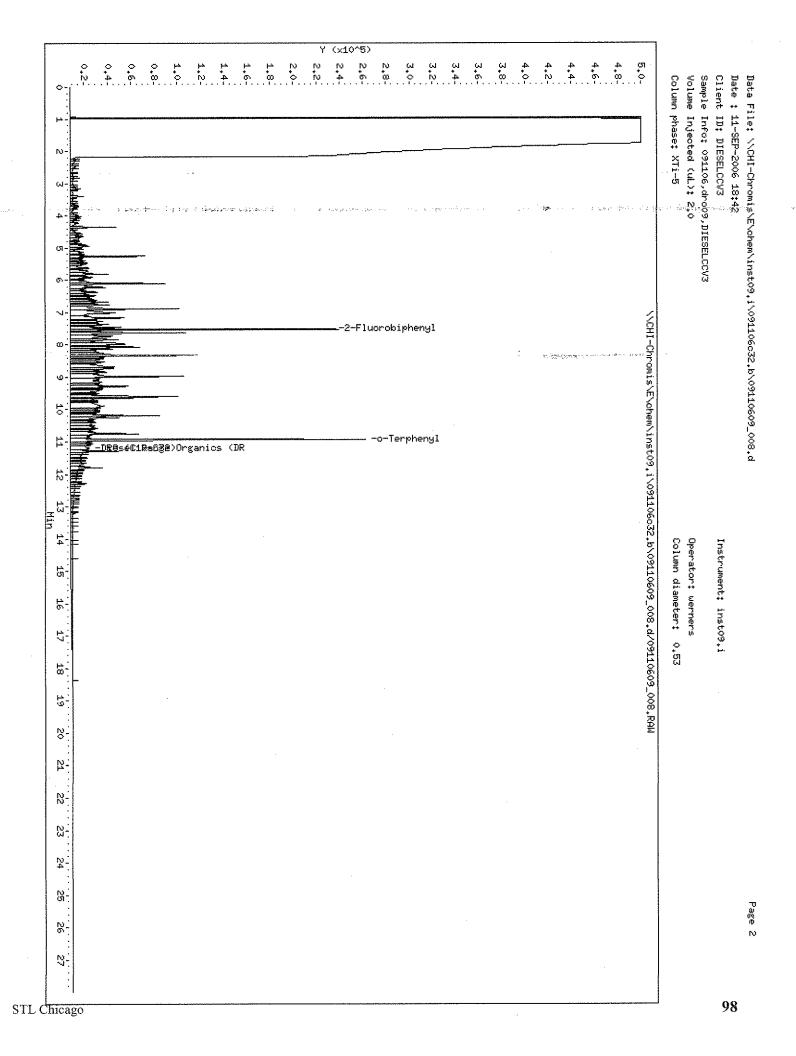
Data File: 09110609 007.d Report Date: 20-Sep=2006 14:46

### STL Chicago

SW846 Method 8015 CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_007.d ESEL25 Client Smp ID: DIESEL25 -SEP-2006 18:05 Data file : Lab Smp Id: Inj Date : ners 106,dro09,DIESEL25 Inst ID: inst09:i Opërator Smp Info Misc Info P5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 0-Sep-2006 14:46 werners Quant Type: ESTD 1-SEP-2006 18:05 Cal File: 09110609 007.d Calibration Sample, Level: 1 omment Method ::
Method Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: icaldro.sub

Name	Value	Description
DF Uf Vt Vo Vi	1.000 2.000 5000.000 1000.000 2.000	Dilution Factor ng coversion factor FinalVolume (ul) SampleVolume (ml) InjectionVol (ul)

					AMOUN	TS
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DŁT RT	RESPONSE	(ng/ul)	(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

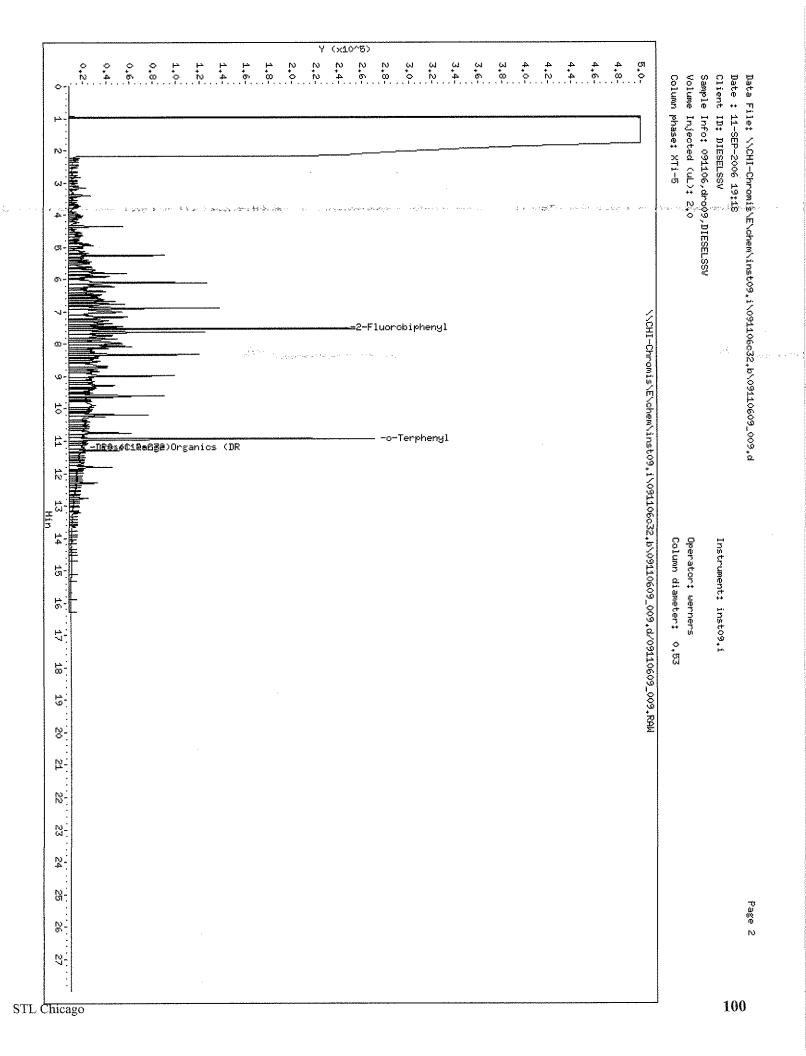


Data File: 09110609 008.d Report Date: 20-Sep=2006 14:46

#### STL Chicago

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

					AMOUNTS			
					CAL-AMT	ON-COL		
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)		
	==			THE COURSE OF STREET, SAN SAN				
\$ 82-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		



Data File: 09110609 009.d Report Date: 20-Sep=2006 14:46

#### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_009.d DIESELSSV Client Smp ID: DIESELSSV 11-SEP-2006\_19:18 werners Data file : Lab Smp Id: Inj Date : werners 091106.dro09.DIESELSSV Inst ID: inst09:i Opërator imp Into Misc Info 55890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m \J-Sep-2006 14:46 werners Quant Type: ESTD \Cal File: 09110609\_007.d \QC Sample: LCS omment Date bottle Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: icaldro.sub

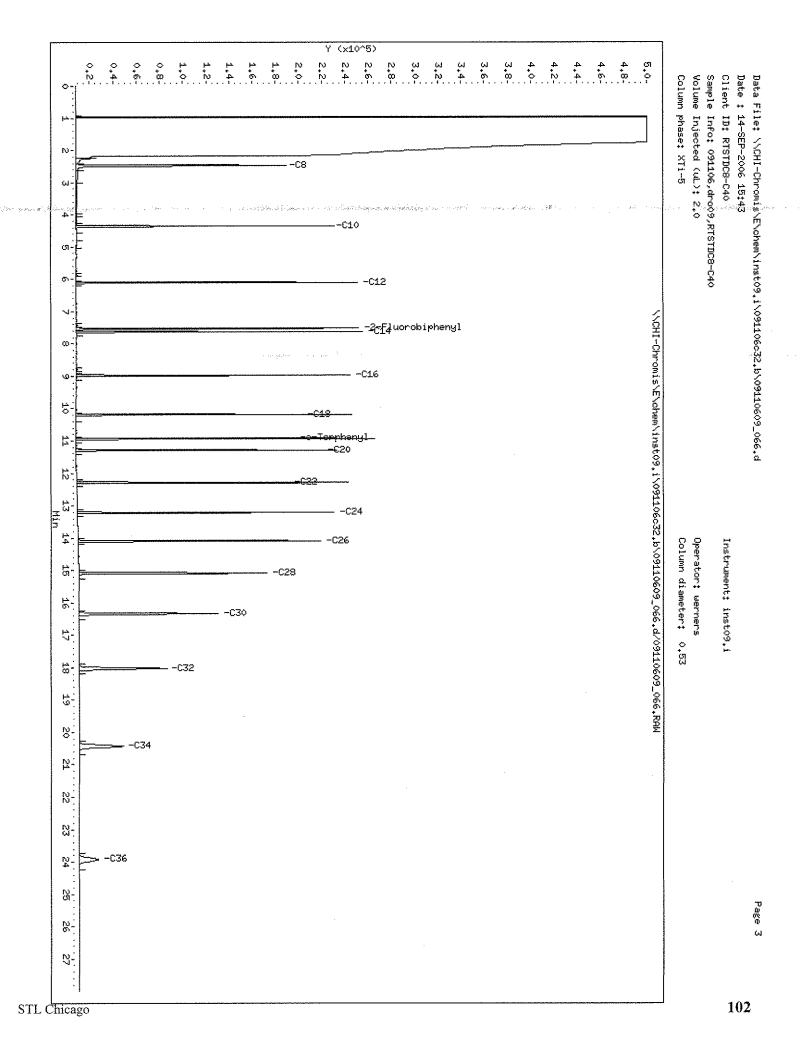
Concentration Formula: Amt \* DF \* Uf \* Vt/(Vo \* Vi \* 1000)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

						CUNCENTRA	4110N2
						ON-COLUMN	FINAL
Comp	ounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	( mg/L)
	لمن أثلث فلن فلن ألف ثلنا فلن ثلث شد شد شد شد شد المد المد المد المد المد المد المد الم						
\$	8 2-Fluorobiphenyl	7.529	7.534	-0.005	826138	9.87089	0.04935
\$ 13	3 o-Terphenyl	10.935	10.941	-0.006	960822	9.51009	0.04755(R)
S 1	4 DRO (C10-C32)	4.256-	18.151		19291548	236.215	1.181
S 1	5 Diesel Range Organics (DRO)	4.256-	18.151		19291548	236.215	1.181

#### QC Flag Legend

R - Spike/Surrogate failed recovery limits.



Data File: 09110609 066.d Report Date: 20-Sep=2006 15:00

### STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 066.d RTSTDC8-C40 Client Smp ID: RTSTDC8-C40 14-SEP-2006 15:43 Data file : Lab Smp Id: Inj Date : Operator werners 091106.dro09.RTSTDC8-C40 Smp Info Misc Info omment lethod Meth Date : Cal Date : Als bottle: Quant Type: ESTD Cal File: 09110609\_002.d Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: dsl.sub

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

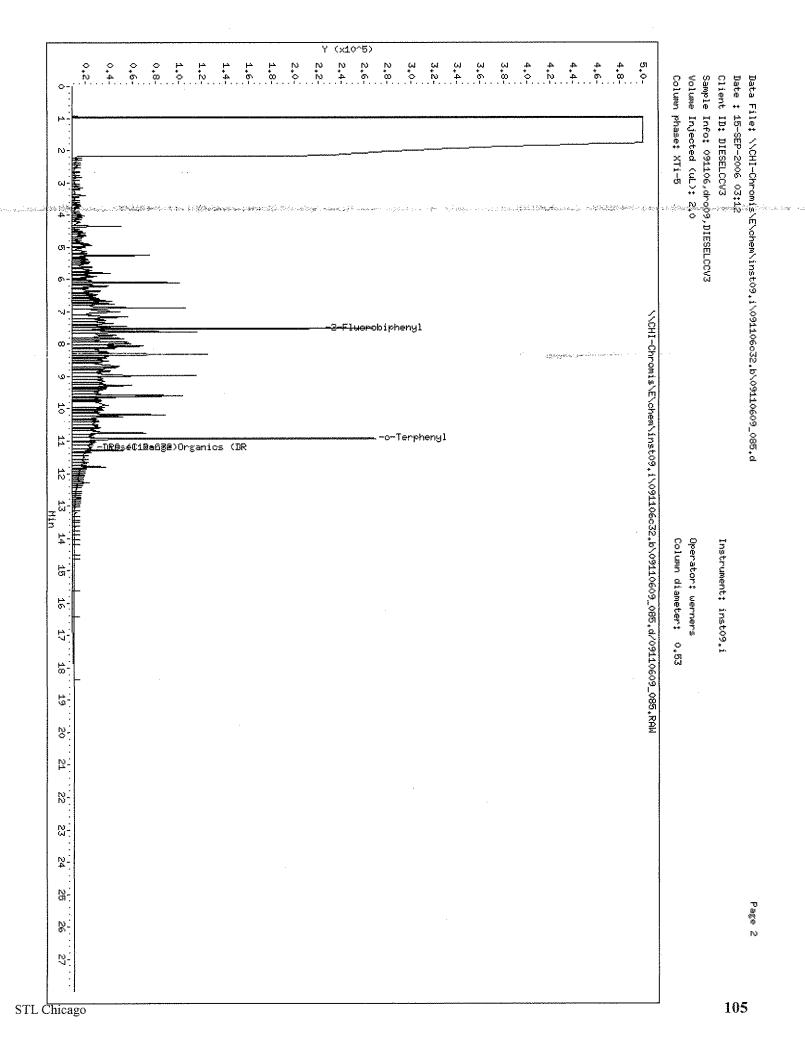
					CONCENTRA	ATIONS
Compounds	RT	EXP RT	OLT RT	RESPONSE	ON-COLUMN (ng/ul)	FINAL ( mg/L)
1 C8	2.471	2.472	-0.001	747940		(a)
2 C10	4.354	4.356	-0.002	718603		(a)
4 C12	6.101	6.108	-0.007	708090		(a)
\$ 8 2-Fluorobiphenyl	7.526	7.534	-0.008	687420	8.21346	0.04107
9 C14	7.625	7.633	-0.008	706620		(a)
11 C16	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)

Data File: 09110609 066.d Report Date: 20-Sep=2006 15:00

						CONCENTRA	4LTON2	
						ON-COLUMN	FINAL	
Compounds		RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	( mg/L)	
		90A BEE	-			311.1111 1111 129 1111 511.512		
23 C32	٠.	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: 09110609 085.d Report Date: 20-Sep=2006 15:00

### 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

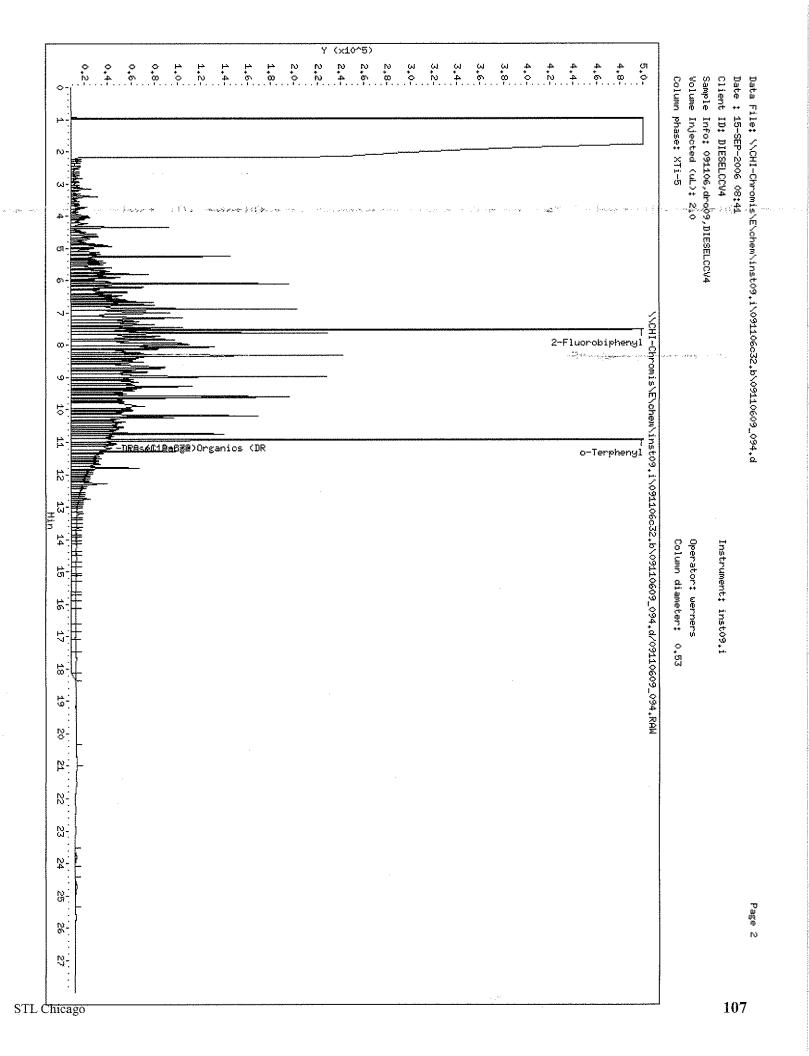
Misc Info: dc=
Comment: HP5890 FID XTi-5
Method: \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m

Meth Date: 20-Sep-2006 15:00 werners
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
```

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

					AMOUN	15
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)
	<b>==</b>					
\$ 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

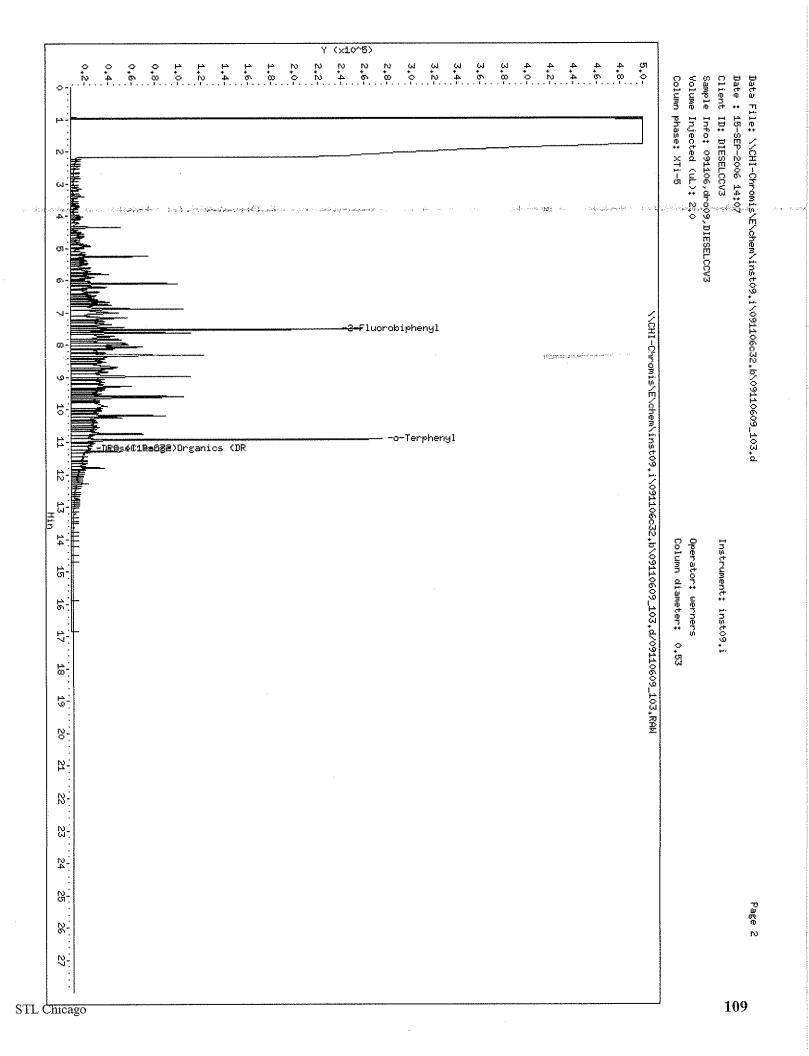


Data File: 09110609 094.d Report Date: 20-Sep=2006 15:06

## STL Chicago

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

					AMOUN	TS
					CAL-AMT	ON-COL.
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)
					<u> </u>	
\$ 82-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



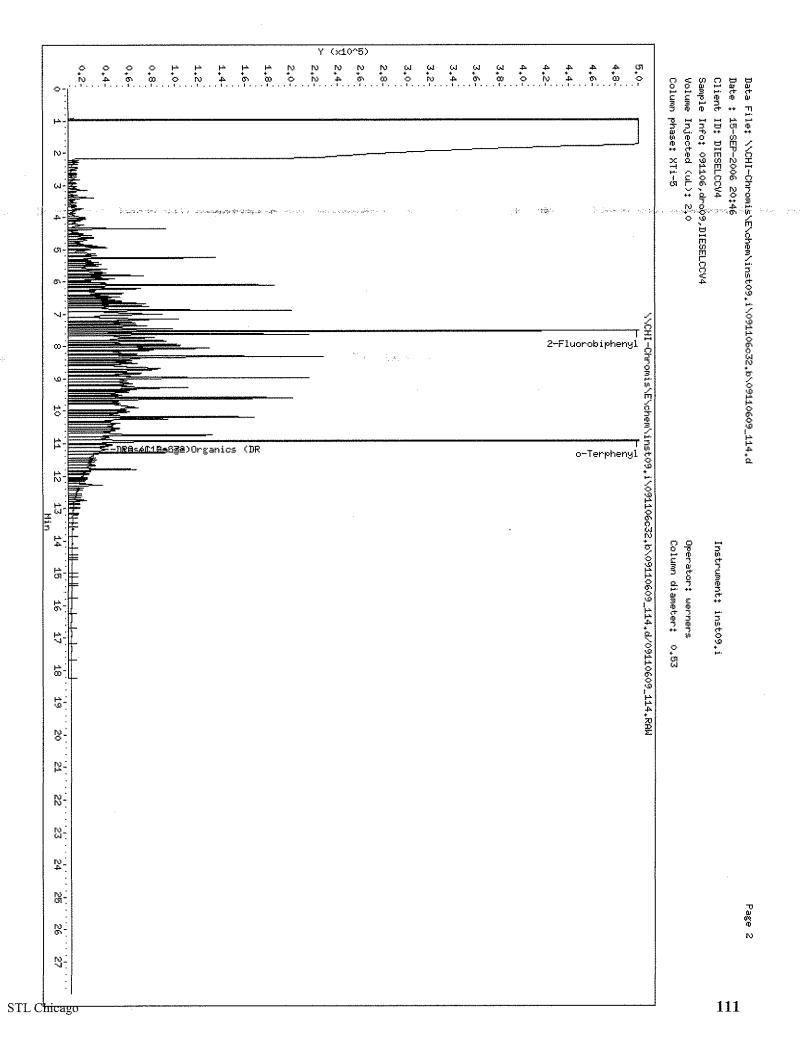
Data File: 09110609 103.d Report Date: 20-Sep=2006 15:00

## STL Chicago

SW846 Method 8015
\\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609\_103.d
DIESELCCV3 Client Smp ID: DIESELCCV3
15-SEP-2006\_14:07
werners Data file : Lab Smp Id: Inj Date : Operator Smp Info Inst ID: inst09.i werners 091106,dro09,DIESELCCV3 Misc Into P5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 0-Sep-2006 15:00 werners Quant Type: ESTD 1-SEP-2006 15:04 Cal File: 09110609 002.d Continuing Calibration Sample omment Date botțle Cal Date : II-SEP-2006 15:04 Als bottle: 103 Dil Factor: 1.00000 Integrator: HP Genie Target Version: 4.04 Processing Host: CHI-GROUPER Compound Sublist: icaldro.sub

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

						amoun	ITS
						CAL-AMT	ON-COL
C	ompounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)
===		<b>****</b>		107 De 100 DE 107 DE			****
\$	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: 09110609 114.d Report Date: 20-Sep=2006 15:04

## 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

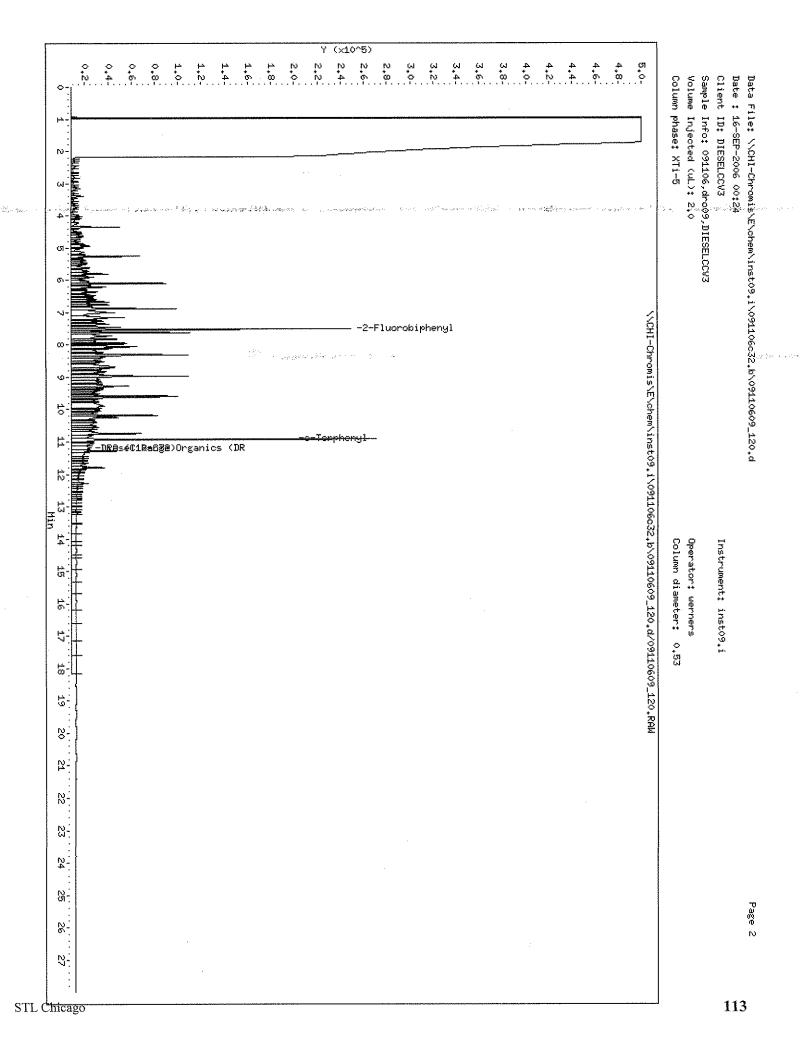
Smp Info: 091106,dro09,DIESELCCV4

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 Ouant Type: ESTD
Cal Date: 11-SEP-2006_15:04 Cal File: 09110609_002.d
Cal Date: 11-SEP-2006_15:04 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: icaldro.sub
Target Version: 4.04
Processing Host: CHI-GROUPER
```

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

					AUOMA	ITS
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(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: 09110609 120.d Report Date: 20-Sep=2006 15:00

## STL Chicago

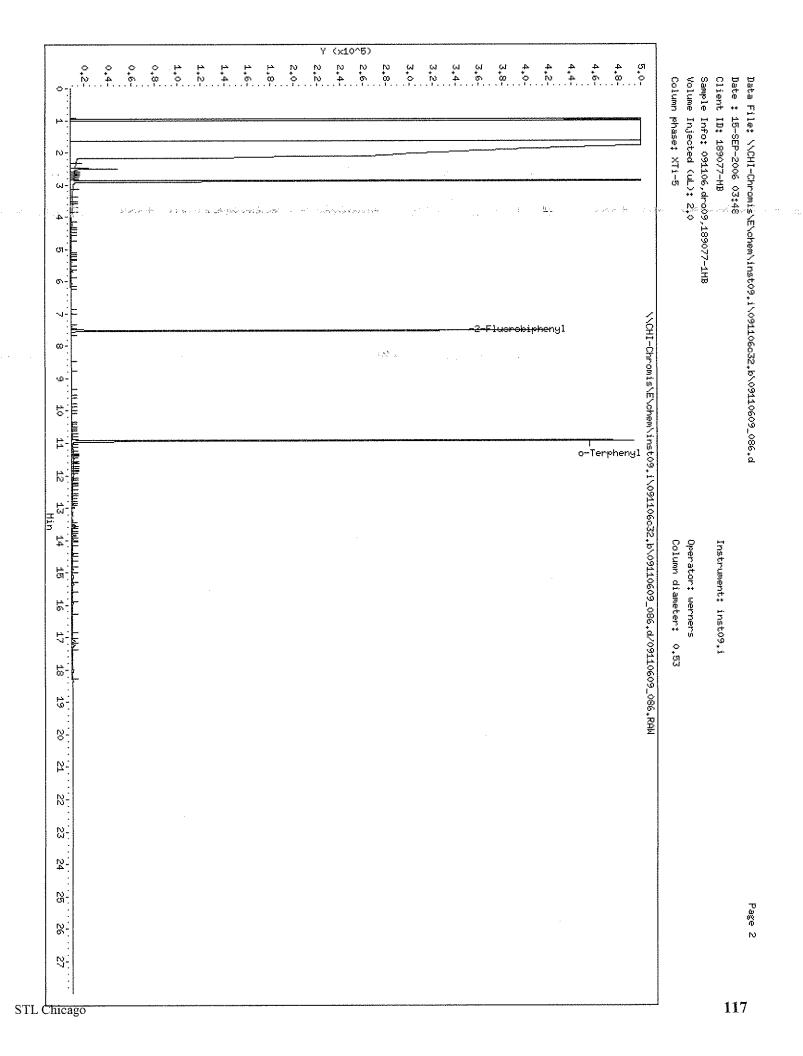
```
SW846 Method 8015
\\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609_120.d
DIESELCCV3 Client Smp ID: DIESELCCV3
16-SEP-2006_00:24
werners
Data file :
Lab Smp Id:
Inj Date :
                           werners
091106,dro09,DIESELCCV3
Qpĕrator -
 Smp Into
                             P5890 FID XTi-5
\CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m
\O-Sep-2006 15:00 werners Ouant Type: ESTD
Cal File: 09110609 002.d
Continuing Calibration Sample
Misc Info
Comment
Method
Meth Date
Cal Date
         Date :
bottle:
Dil Factor: 1.00000
Integrator: HP Genie
Target Version: 4.04
Processing Host: CHI-GROUPER
                                                                                             Compound Sublist: icaldro.sub
```

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	ng coversion factor
Vt	5000.000	FinalVolume (ul)
Vo	1000.000	SampleVolume (ml)
Vi	2.000	InjectionVol (ul)

					amoun	ITS .
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(ng/ul)
= w = w = m = m = m = m = m = = = = = =					250 205 100 WW. HIS SEE 100	=======
\$ 82-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

QUALITY CONTROL RESULTS Job Number.: 248531 Report Date.: 09/20/2006 EUSTOMER: SOS Engineers, Inc. .... + 1 200 PROJECT: GSA - SLOP ALENE SERVICE ALENE SER LA Reag. Code Lab ID Dilution Factor Date Time QC Type Description Test Method.....: 8015B MDRO
Method Description.: TPH - Diesel Range Organics (DRO) Equipment Code....: INSTO9 Analyst...: san Batch..... 189555 189077-001 09/15/2006 0348 MB Method Blank Orig. Value QC Calc. Parameter/Test Description Units QC Result QC Result True Value \* Limits



Data File: 09110609 086.d Report Date: 20-Sep=2006 14:35

## STL Chicago

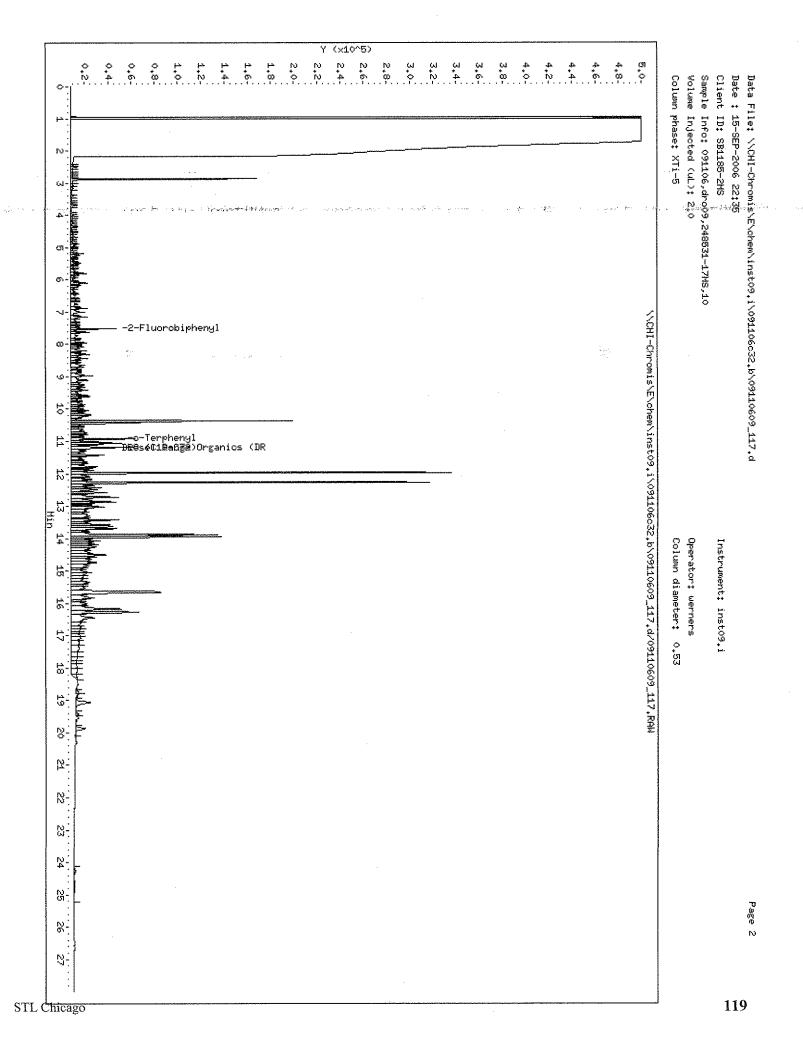
SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 086.d 189077-1MB Client Smp ID: 189077=MB 15-SEP-2006 03:48 Data file : Lab Smp Id: Inj Date : werners 091106,dro09,189077-1MB Inst ID: inst09:i Operator Smp Info Misc Info Comment Method Meth Date Cal Date Date : pottle: 86 T.Ouvou HP Genie 1.04 Factor: Integrator: HP [arget Version: Compound Sublist: 8015dro.sub Processing Host: CHI-GROUPER

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

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

						CONCENTRA	ATIONS
						ON-COLUMN	FINAL
Co	ompounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)
						1000 1000 1000 1000 1000 1000 1000	
\$	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 DRO (C10-C32)	Com	Compound Not Detected.				
S	15 Diesel Range Organics (DRO)	Compound Not Detected.					





Data File: 09110609 117.d Report Date: 20-Sep=2006 14:42

## STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 117.d 248531-17MS Client Smp ID: SB1185=2MS 15-SEP-2006 22:35 werners Data file Lab Smp Id Inj Date werners 091106,dro09,248531-17MS,10 Inst ID: inst09: Jpērator amp Info nisc Into P5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 0-Sep-2006 14:38 werners Quant Type: ESTD 1-SEP-2006 18:05 Cal File: 09110609\_007.d QC Sample: MS omment Date bottle 10'00000 HP Genie Ion: 4.04 Factor Compound Sublist: 8015dro.sub <u> Integrator:</u> Target Version: Targët Version: 4.04 Processing Host: CHI-GROUPER

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

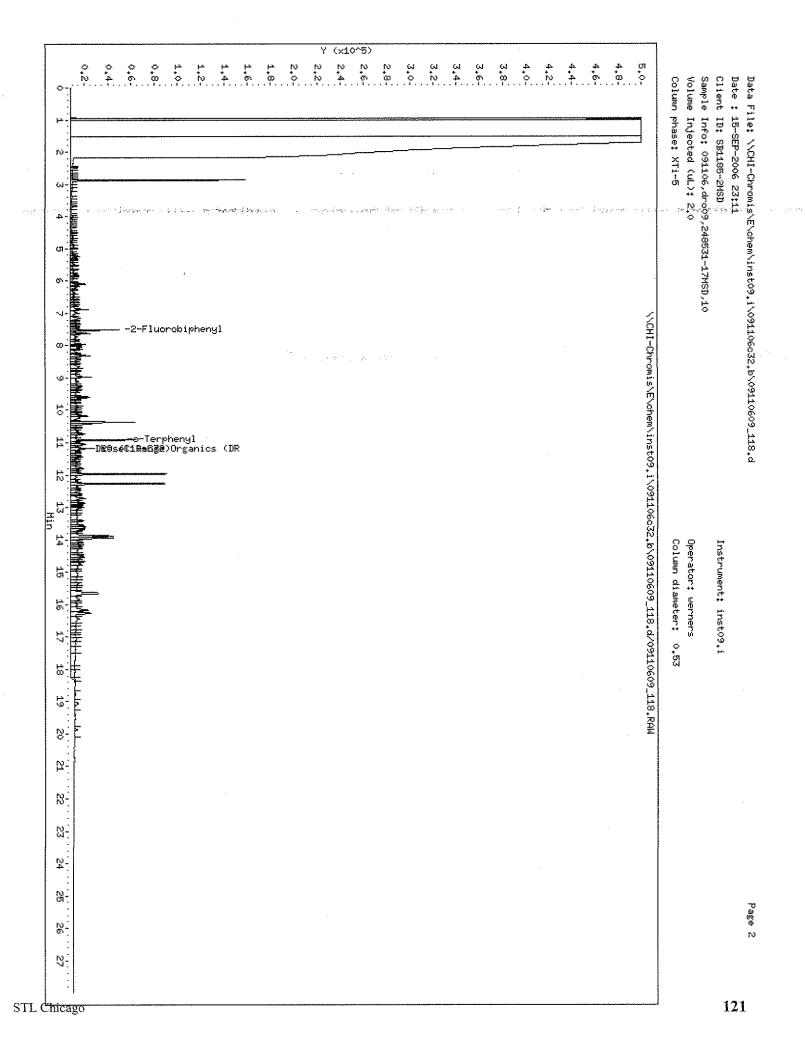
Name	Value	Description
DF Uf Vt Vi Ws M	10.000 2.000 2500.000 2.000 15.378 14.200	Dilution Factor ng unit correction factor Volume of final extract (ul) Volume injected (ul) Weight of sample extracted (g) % Moisture

						CONCENTRA	ATIONS	
						ON-COLUMN	FINAL	
Co	ompounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)	
===		002 EEE						-
\$	8 2-Fluorobiphenyl	7.518	7.534	-0.016	129648	1.54907	2.935	1
\$	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: 09110609 118.d Report Date: 20-Sep=2006 14:43

## STL Chicago

SW846 Method 8015 \\CHI-Chromis\E\chem\inst09.i\091106c32.b\09110609 118.0 248531-17MSD Client Smp ID: SB1185-2MSD 15-SEP-2006 23:11 Data file : Lab Smp Id: Inj Date : werners 091106,dro09,248531-17MSD,10 Inst ID: inst09:i Misc Info P5890 FID XTi-5 \CHI-Chromis\E\chem\inst09.i\091106c32.b\vap09.m 0-Sep-2006 14:38 werners Quant Type: ESTD 1-SEP-2006 18:05 Cal File: 09110609\_007.d QC Sample: MSD omment Date bottle Dil Factor: 10.00000 Integrator: HP Genie Target Version: 4.04 Compound Sublist: 8015dro.sub Processing Host: CHI-GROUPER

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

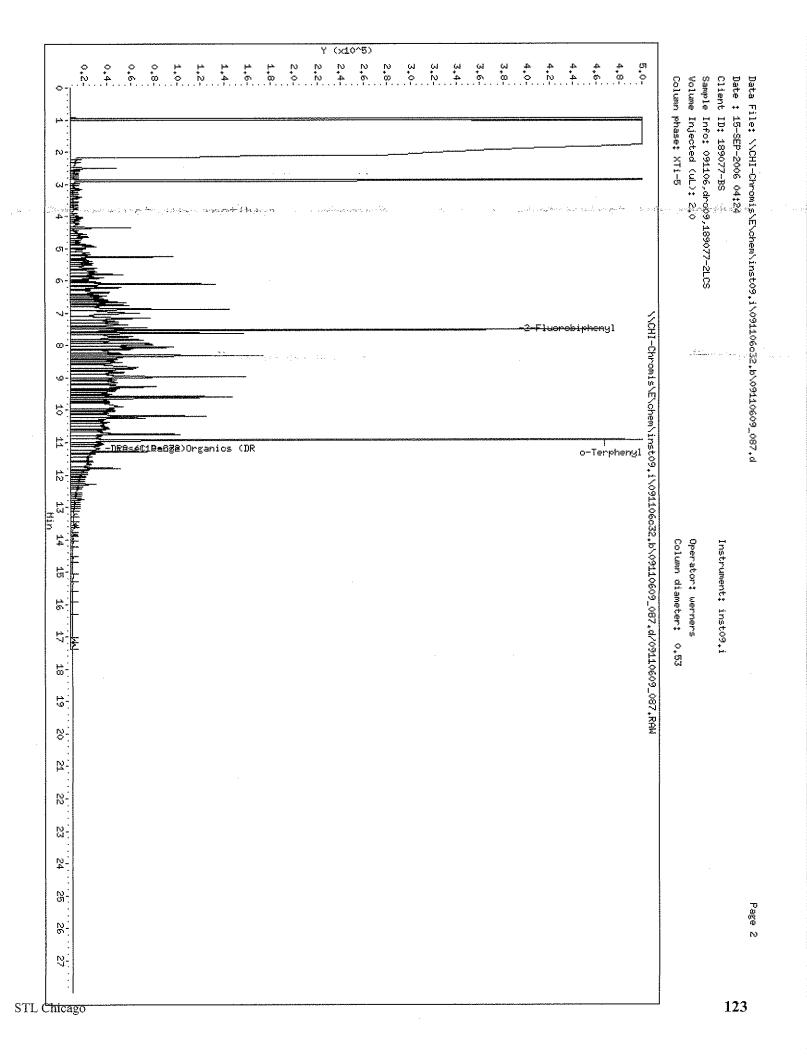
Name	Value	Description
DF Uf Vt Vi Ws M	10.000 2.000 2500.000 15.400 14.200	Dilution Factor ng unit correction factor Volume of final extract (ul) Volume injected (ul) Weight of sample extracted (g) % Moisture

					CONCENTR	ATIONS	
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)	
2014 - AAAA	<b></b>	=====	=====	========	<u> </u>		
\$ 8 2-Fluorobiphenyl	7.518	7.534	-0.016	138140	1.65053	3.123	1
\$ 13 o-Terphenyl	10.924	10.941	-0.017	217191	2.14973 /	4.067	1
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: 09110609 087.d Report Date: 20-Sep=2006 14:35

## STL Chicago

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

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

						CONCEINING	WI TONZ
						ON-COLUMN	FINAL
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ul)	(mg/Kg)
227.02		====			========		
\$	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	<b>/</b> 3.048 <b>/</b>
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



CONCENTRATIONS

S	TL Ch	icago		
G	C/FID	<b>Analysis</b>	Log	

Page #: 148

(b) (6)	
(C) [C] 9 3 4	Methodd 1009 Column: X+1-5
Queue: OQQO Linj. Vol.:_	200° CDet. Temp: 300° C
Temp. Program: 50°C > Imin,	20°/min ->300°C, hold 15mir

Rep. #	Sampl	e Description	Dil. Factor	Inje	ction Date/Time	Comments
	RIS	D(8-C40		911	1061428	ED6HWRD#11
j	Diese	21/000			1504	EOGGWIDFG1
3	Ĩ	750			1540	E066W10F52
4		500			166	E066WIDF41
5		250			1653	EDGGWIDF31
6		100			1729	EDGGWDF21
7		25			1805	EDGGWIDF11
8	$\forall $	CCVS			1842	EDGIWCDF31
q	V	SSV			1918	EOW IWSDF31
10	MDto	or 2000			1954	E06/W14061
11		1500			2031	EDGIWIHOS)
12		1000			2107	E06 IW/4041
13		500			2144	E06IW14031
14		200			2720	E06/W14021
15		50			2756	E06/10/4011
16	V	CCV			<u>V 2333</u>	E06 IWCH031
17	101	DRD 500		9	12.00	E06EWIW161
18		200			8045	EOGEWIW152
19		100	. ,		0199	E06EW1W141
20		80			0158	
21		40			0234	E06 E W/W/21
12		20			0311	EOGEWIWI11
23	. \	V & V			V 0347	E06EWCW141

	(b) (6)	 /	9 17001
Reviewer:		)ate:	12000
(GAICAAGI.			CHI-22-17-018/C-3/9

STL Chicago	
GC/FID Analysis Log	
Instrument 09 - Hewlett	Packard 5890

Page #: 150

Analyst (b) (6)	Method: dro 09 Column: X+1-5
Queue: 091106 Inj. Vol.:	2 ul Inj. Temp: 280 °C Det. Temp: 300 °C
Temp. Program: Sanu ———	

<del></del>		Dil.	Ì	- January 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 19	1
Rep.#	Sample Description	Factor	Injec	tion Date/Time	Comments
47	248361-4	50	4.14	1819	
48	<del>348319 - 51</del>			<u> 1855 </u>	188519-3LCD
49	248336-/	1		1931 5	124831958 THE WIDEDERV
50	1 -/2	)		3008 ,	2483312-3:4004814.41/h
51	1/23	50		2044	248361-3 140 24836316
52	WIDRERVAIZU			2120	WIDROCC L24861-3'10
53	248361-1		V		WIDROCOU
54	1 - 2		9-13	1307	RTSTDC8-C40
55	4-3	50		1343	DIESCICCU3
56	189039-14B			1507	
57	1-2LCS			1543	
58	V -3LCD	,		1619	
59	JY8553-1	1		1656	>
60	248554-15	1		1732	
61	248582-1	1		1809	
62	500 1149-1	1		1845	5
63	1 -2	1		1921	
64	V -3	1		1958	
65	Diese lav4	. ,	V	Ŭ <b>(</b>	
66	In- TOM ALLA		9.14	1534	
67	WINRDCCV			1619	
68	MB-500-504/	J		1658	3
69	LC5 V	l	1	1732	
	(b) (6)				

	(b) (6)	Data	9-20-06
Reviewer:		Date:	CHI-22-17-018/C-3/99

TL Chicago C/FID Analysis Log	Page #: 151
strument 09 - Hewlett Pack (b) (6)	Method: $\frac{droo9}{droo9}$ Column: $\frac{\chi+i-5}{droo9}$
geue: <u>09/104</u> Inj. \	II.: 240 Inj. Temp: <u>280 C</u> Det. Temp: <u>300</u> C
emp. Program: <u>SOMY —</u>	And the second of the second s

lelilp. 1 (-9	The state of the s		an an annual formation, " of a succession was a second	and the second s
Rep. #	Sample Description	Dil. Factor	Injection Date/Time	Comments
	400-1493S-2	į	9.14.061808	
71	1 - 3	1	1844	
77	1 - 4	,	1921	
73	5	ì	1957	A de acrossmithelique y type effections porte selver
7 <u>)</u> 74	-6	ì	2033	
75	\ \ 7	1	2109	
76	- 8	ĵ	2146	
77	V - 9	1	9999	
78	WIPROCCV		2588	
79	400-14935-10	1	V 2334	
80		J	6-12-07 0010	
81	-12	İ	0047	
82	V - 13		0123	
83	USD-500-5241	1	10159	
84	WIDEDCCV		0235	
85	PHSE 1003		1)3/a	
86	189077-14B	) .	0348	
87	V-2108	/	0424	
88	24853.)-13	1	0501	
200 S.	1 -14	/	0537	
89	-15	1	06/3	
91	-16	1	0613	)
192	1-17	/	0726	
	(b) (6)			9000

		(b) (6)	Date:	9-20-06
Rε	viewer:		Date	CHI-22-17-018/C-3/99

STL Chicago	152
GC/FID Analysis Log	Page #:
Instrument 09 - Hewlett Packard 5890	
Analyst: Method: Method: X+	1-5
Queue: 09106 Inj. Vol.: 280°C De	t. Temp: <u>30</u> 0 °C
Temp. Program: Sand —	. :

		<u> </u>	Dil.			
Rep. #	4	Description	Factor	Inje	ection Date/Time	Comments
93	3485	3)-17MS	<u> </u>		5.0602	
94	DIESE	1004			0841	
95	WIDE	ROCCV			0917	
96	400-1	4935-2	10		0953	
97		- 3	10		1030	
98		-5	10		1106	
99		-5	100		1142	
100		-6	10		1218	
101		1 - 6	100		1255	
102	WID	ROCCV			1331	
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104	2485	31-174512	j		1443	
105		1 -18	1		1520	
106		-19	<u> </u>		1556	
107		-3D	,		1632	
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115	2489		j	V	/ 2123	2

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8	248554-13	1	9.15.04		
111	248531-17HS	ID	2235		
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119	248554-15	)	4.16.06,000		
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Reviewer

	on Date: 09  2 0 Code: 354 D DCM: 45eto Lot No.: C25E2	MA(III)	G	STL Chicag anic Extraction SC/MS Semi-V	Record olatiles		Analy Balar	No.: 18 16 No.: 18 16 est Initials: 1 nce ID No.: 2	学2		
olvent	Lot No.: (2562) Dispenser Volume ( ase (circle & define)	Checked:	_Lot No.:			Sodium 9	Sulfate Lo	ot No.: 132	16314	and the state of t	
<u>∕/atrix:</u> a. Wate o∑Soil	er ã	Extraction Methods a. SW-846 3510 b. SW-846 3550 c. SW-846 3580	<u>d:</u> (Sep Funr (Sonicatio	nel) d. SW n) (e)SW	/-846 3520 /-846 3541 ner:	(Soxhlet)	Star	hod Extraction Time: 163 Time:	<u>50</u>		
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-	Sample#	Sample ID	COC	ьН¹   (г	al Vol/Wt. mLs(/g))	Final Vol. <sup>2</sup> (mLs)	(√) K-D,q	Clean-Up Absorbent	Surr.	Spike	Spl
1 i	89077-MB	O GITTE		1 15.0	000	2.5		·	1		
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5	-15		V,	15	228	-			1 1		+-
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11	- 19		+		, 5.79				1		ļ
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25	ple pH / Acid Adjusted			<u> </u>		<u> </u>	i nedgani				rinner •
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<sup>2</sup> The e	nsufficient Sample for his Sample Container Shall nments/Variance:_										
2The 6	nsufficient Sample for in Sample Container Shahaments/Variance:	DRO SULV.	Work		Volume:	2504 : 2500	d.	Std. ID#: <u>0</u> Std. ID#: <u>(</u> Std. ID#:_	6HWS		
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Extraction Soxhlet (DRO)

Report Date: 9/21/06 10:16

Method C Batch Co Status	de:	1890	77 Batch Time: 1607	QC Code Calc Code Location (		: PREP		Equipmen Import C		
BATCH:	Item		Description			De	escription	Informati	on	
	1		Comments			, sr	rrogate of	óhwsidea ^	Ng	
	2		Comments			bo	ok 4078 pa	age 192		
	3		Comments							
	4		Comments							
SAMPLE:	Grp	Pos	Sample ID	Dilution	SOXH N/A	ILT	IWGT 9	MLF mL	PREPF N/A	DLFAC N/A
	1	1	X_MB		Comp	lete	15.000	2.5	0.16667	0,99982
	1	2	X_LCS_OO6IWLDIEA_		Comp	lete	15.000	2.5	0.16667	0.99982
	1	3	248531_13_X		Сопр	lete	15.411	2.5	0.16222	0.97313
	1	4	248531_14_X		Сотр	lete	15.339	2.5	0.16298	0.97768
· · · · · · · · · · · · · · · · · · ·	1	5	248531_15_X		Comp	lete	15.472	2.5	0.16158	0.96929
	1	6	248531_16_X		Comp	lete	15.228	2.5	0.16417	0.98482
	1	7	248531_17_X		Сотр	lete	15.203	2.5	0.16444	0.98644
	1	8	248531_17_X_MS_006IWLDIEA_7		Comp	lete	15.378	2.5	0.16257	0.97522
	1	9	248531_17_X_MSD_006IWLDIEA_7		Comp	lete	15.400	2.5	0.16234	0.97385
	1	10	248531_18_X		Comp	lete	15.310	2.5	0.16329	0.97954
	1	11	248531_19_X		Comp	lete	15.374	2.5	0.16261	0.97546
	1	12	248531_20_X		Comp	lete	15.579	2.5	0.16047	0.96263
	1	13	248531_21_X		Comp	lete	15.121	2.5	0.16533	0.99178
****	1	14	248531_22_X		Comp	lete	15.283	2.5	0.16358	0.98128
	1	15	248531_23_X		Сопр	lete	15.359	2.5	0.16277	0.97642
	1	16	248531_26_X		Comp	lete	15.903	2.5	0.15720	0.94301
	1	17	248531_27_X		Comp	lete	15.908	2.5	0.15715	0.94271
***************************************	1	18	248554_2_X		Comp	lete	15.536	2.5	0.16092	0.96533
·	1	19	248554_11_X	·	Comp	lete	15.877	2.5	0.15746	0.94457
	1	20	248554_13_X		Comp	lete	15.715	2.5	0.15908	0.95429

## GASOLINE RANGE ORGANICS GSA - SLOP JOB# 248531

Laboratory Chronicle	1
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Standards Data Package	67
Quality Control Data Package	109

### STL Chicago is part of Severn Trent Laboratories, Inc.

## SAMPLE INFORMATION 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
2485314	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
2485317	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
24853110	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

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

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

Job	Number: 248531	LABORATORY CHRONICLE Date: 09/20/2006	
CUSTOMER: SCS Eng	ineers, Inc.	PROJECT: GSA – SLOP ATTN: David Brewer	
	Client ID: SB1015-3 DESCRIPTION % Solids Determination	Date Recvd: 09/07/2006 Sample Date: 09/05/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED 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	DILUTION
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1908	
_ab ID: 248531-3	Client ID: SB1035-4	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTION
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1911	
Lab ID: 248531-4	Client ID: SB1045-2	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTION
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1914	
_ab ID: 248531-5	Client ID: SB1055-3	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTION
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1917	
Lab ID: 248531-6	Client ID: SB1095-5	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTION
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1920	
Lab ID: 248531-7	Client ID: SB1095-10	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTIO
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1922	
_ab ID: 248531-8	Client ID: SB1105-1	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTIO
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1925	
_ab ID: 248531-9	Client ID: SB1105-4	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTION
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1928	
_ab ID: 248531-10	Client ID: SB1115-1	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTION
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1931	
_ab ID: 248531-11	Client ID: SB1115-5	Date Recvd: 09/07/2006 Sample Date: 09/05/2006	DILUTIO
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED	
Method	% Solids Determination	1 188899 188899 09/09/2006 1934	
	Client ID: SB1125-1 DESCRIPTION % Solids Determination	Date Recvd: 09/07/2006 Sample Date: 09/05/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED 1 188899 188899 09/09/2006 1937	DILUTIO
METHOD	Client ID: SB1155-2 DESCRIPTION % Solids Determination	Date Recvd: 09/07/2006 Sample Date: 09/06/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED 1 188899 188899 09/09/2006 1939	DILUTIO
5030B 8015B MGRO	% Solids Determination 5030 Purge & Trap TPH - Gasoline Range Org	1 188923 09/11/2006 0009 anics (GRO) 1 188924 188923 09/11/2006 0009	1.00000
METHOD	Client ID: SB1155-3 DESCRIPTION % Solids Determination	Date Recvd: 09/07/2006 Sample Date: 09/06/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED 1 188899 188899 09/09/2006 1942	DILUTIO

Job	LABORATOR Number: 248531	; in	a U N i	V I. E	Date: (	09/20/2006		
USTOMER: SCS Eng	ineers, Inc. PROJE	CT: GSA -	SLOP			ATTN: David Bre	wer	
ab ID: 248531-14	Client ID: SB1155-3					Date: 09/06/20		
METHOD	DESCRIPTION			PREP BT	#(S)	DATE/TIME AN		DILUTIO
5030B	5030 Purge & Trap TPH - Gasoline Range Organics (GRO)	1	188923	400007		09/11/2006	0044	4 0000
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006	0044	1.00000
ab ID: 248531-15	Client ID: SB1165-4	Date Re	cvd: 09/	/07/2006	Sample	Date: 09/06/20	006	
METHOD	DESCRIPTION				#(S)	DATE/TIME AN		DILUTI
		1		188899		09/09/2006	1945	
5030B	% Solids Determination 5030 Purge & Trap	1	188923			09/11/2006	0119	
8015B MGRO	TPH - Gasoline Range Organics (GRO)	1		188923		09/11/2006	0119	1.0000
0013B ::010	Title data title hange anguitte tanay	·	,00,2	.00720		4.77 4		
ab ID: 248531-16	Client ID: SB1175-4					Date: 09/06/20		
METHOD	DESCRIPTION				#(S)	DATE/TIME AN		DILUTI
Method	% Solids Determination	1		188899		09/09/2006	1948	
5030B	5030 Purge & Trap	1	188923			09/11/2006	0154	
8015B MGRO	% Solids Determination 5030 Purge & Trap TPH - Gasoline Range Organics (GRO)	1	188924	188923		09/11/2006	0154	1.0000
ah In• 2/8531-17	Client ID: SB1185-2	Date De	പൂർ വ	/07/2006	Samnie	Date: 09/06/20	006	
MERCHAR	5 F 5 5 5 T 7 5 11	DUNE.				DATE/TIME AN		DILUTI
Markad	DESCRIPTION  V Calida Datarmination	1	100000	188899	#(3)	09/09/2006	1951	DILOII
Method	% Solids Determination 5030 GC VOA (High Level Methanol)	1	189015	100077		09/09/2006	1559	
5030B 8015B MGRO	7030 GC VOA (High Levet Methanot)	1		189015			1559	2.000
SO ISB MGKO	TPH - Gasoline Range Organics (GRO)	ŧ	107010	10701		09/11/2006	1227	2.000
b ID: 248531-18	Client ID: SB1185-5	Date Re	cvd: 09/	/07/2006	Sample	Date: 09/06/20	006	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME AN	NALYZED	DILUTI
Method	% Solids Determination	1		188899		09/09/2006	1953	
5030B	5030 GC VOA (High Level Methanol)	1	189015			09/11/2006	1634	
8015B MGRO	% Solids Determination 5030 GC VOA (High Level Methanol) TPH - Gasoline Range Organics (GRO)	1	189016	189015		09/11/2006	1634	2.000
ah ine 2/957110	Client ID: SB1195-3	Date De	oud: 00.	/07 /2004	Sample	Date: 09/06/20	206	
		DUNH	ONTOUR	PREP BT	#(e)	DATE/TIME AN		DILUTI
METHOD	DESCRIPTION % Solids Determination	1	199900	188899	#(3)	00/00/2006	1956	DILOII
Method	% Solids Determination	1	188923	100077		09/09/2006 09/11/2006	0228	
5030B	% Solids Determination 5030 Purge & Trap TPH - Gasoline Range Organics (GRO)	1		188923		09/11/2006	0228	1.0000
SO 136 PIGRO	THE Gasotille Range Organics (GRO)	ı	100724	100723		09/11/2000	OZZO	1.0000
ab ID: 248531-20	Client ID: SB1195-4	Date Re	cvd: 09,	/07/2006	Sample	Date: 09/06/20	006	
METHOD	DESCRIPTION			PREP BT				DILUTI
	% Solids Determination	1		188899		09/09/2006	1959	
5030B	% Solids Determination 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
-L th- 3/8674 34	Client ID. 0047457	Doto Do	avai no	/n7/2004	Cample	Nata: 00/04/20	204	
	Client ID: SB1215-3			/07/2006		Date: 09/06/20 DATE/TIME AN		DILUTI
METHOD	DESCRIPTION	1		PREP BT	#(3)		1259	DILUI.
Method	% Solids Determination		188923	188859		09/08/2006	0303	
5030B 8015B MGRO	5030 Purge & Trap TPH - Gasoline Range Organics (GRO)	1 1		188923		09/11/2006 09/11/2006	0303	1.0000
SO ISB HORO	The same the hange of gain to total	•	1 W W C C C C C C C C C C C C C C C C C			27, 172000		
ab ID: 248531-22	Client ID: SB1225-2			/07/2006		Date: 09/06/20		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME AN	VALYZED	DILUTI
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
_L ID. 0/0574 07	Client In. CD1775_/	Nama na	പക്ക	/n7/2004	Compl-	hate: 00/04/20	206	
ab ID: 248531-23				/07/2006		Date: 09/06/20		n i i i i i i i i i i i i i i i i i i i
METHOD	DESCRIPTION % Solids Determination			PREP BT	#(3)	09/08/2006	1303	DILUTI
Method 5030B	% Solids Determination 5030 Purge & Trap	1 1	188923	188859		09/08/2006	0338	
						1077 1 1 7 6 8 165		

A TORY CHRONICLE Date: 09/20/2006
PROJECT: GSA — SLOP ATTN: David Brewer
Date Recvd: 09/07/2006 Sample Date: 09/06/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 188924 188923 09/11/2006 0338 1.00000
Date Recvd: 09/07/2006 Sample Date: 09/06/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 188859 188859 09/08/2006 1304
Date Recvd: 09/07/2006 Sample Date: 09/05/2006  RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 188859 188859 09/08/2006 1306
Date Recvd: 09/07/2006 Sample Date: 09/05/2006  RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 188859 09/08/2006 1308
1 188923 09/11/2006 0413 1 188924 188923 09/11/2006 0413 1.00000
Date Recvd: 09/07/2006 Sample Date: 09/05/2006  RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 188859 188859 09/08/2006 1310 1 188923 09/11/2006 0448 1 188924 188923 09/11/2006 0448

### 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)

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1. 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.
- 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.

N

O

- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
  - Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- 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 interfence, 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

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greater than 25%.
Abbreviations
         Post Digestion Spike (GFAA Samples - See Note 1 below)
AS
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
€F
         Confirmation analysis of original
C1
         Confirmation analysis of A1 or D1
С2
         Confirmation analysis of A2 or D2
С3
         Confirmation analysis of A3 or D3
CRA
         Low Level Standard Check - GFAA; Mercury
CRI
         Low Level Standard Check - ICP
         Calilbration Verification Standard
CV
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
         Distilled Standard - Low Level
DSL.
         Distilled Standard - Medium Level
DSM
EB1
         Extraction Blank 1
EB2
         Extraction Blank 2
EB3
         DI Blank
ELC
         Method Extracted LCS
         Method Extracted LCD
ELD
ICAL
         Initial calibration
ICB
         Initial Calibration Blank
ICV
         Initial Calibration Verification
IDL
         Instrument Detection Limit
ISA
         Interference Check Sample A - ICAP
         Interference Check Sample B - ICAP
ISB
         The first six digits of the sample ID which refers to a specific client, project and sample group
Job No.
         Lab ID An 8 number unique laboratory identification
LCD
         Laboratory Control Standard Duplicate
         Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
LCS
MB
         Method Blank or (PB) Preparation Blank
MD
         Method Duplicate
MDI
         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
PREPE
         Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS
         Post Digestion Spike (ICAP)
RA
         Re-analysis of original
Α1
         Re-analysis of D1
         Re-analysis of D2
Α2
А3
         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
         Relative Response Factor
RRF
RT
         Retention Time
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### QUALITY ASSURANCE METHODS

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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
	The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current
	ation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
	The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the
	ng limit. The control limit is represented as +/- the RL.
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STL Chicago
Intra-Laboratory Internal Sample Custody Transfer Record
Client: 509

Job No:

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K,

rpjsckl	Job Sample Receipt Checklist Report	V2
Job Number.: 248531 Location.: Customer Job ID: Project Number.: 20006654 Project Customer: SCS Engineers, Inc	Job Check List Date.: 09/07/2006 Description.: GSA - SLOP	Date of the Report: 09/08/2006 Project Manager: rcw
Questions ?	(Y/N) Comments	
Chain-of-Custody Present?	Y	
Were samples dropped off at or pick	ked up by STL? N	
Custody seal on shipping container?	······ Y	
If "yes", custody seal intact?	Υ	
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 condi	tîon)? Y	
Volatile samples acceptable? (no he	eadspace)	
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time	ne? Y	
Agreement between COC and sample la	abels? Y	
Radioactivity at or below backgroun	nd levels? Y	
A Sample Discrepancy Report (SDR) v	was needed? N	
Residual Chlorine Check Required?		
If samples were shipped was there a	an air bill #? Y	
Sample Custodian Signature/Date	Y	

Page 1

Address To cause a package be half at a specific Fedix location, print Fedix ideas Note.  City  10 11104 1120 1120 1120 1120 1120 1120 1	Company  Address  Address  To Recipients Name  Recipients Address	Express B
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# 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)	0 10 -1
	9-13-06
William R. Estes	Date
GC-VOA Analyst	

# QUALITY CONTROL SUMMARY

# STL Chicago is part of Severn Trent Laboratories, Inc.

a,a,a-Trifluorotoluene 4-Bromofluorobenzene (surr)

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

		: TPH - Gasoline Range C : 8015G	Organics (GRO)			: Solid : 188924	Prep Batch: 188923
Lab ID	DT	Sample ID	Da	te	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	-	90	104	
248531- 26		SB1135-5	09/11		76	67	
248531- 27		SB1145-3	09/11/		78	69	
Test T	est Des	scription	Limits				
		rifluorotoluene luorobenzene (surr)	70 - 130 56 - 120				
		: TPH - Gasoline Range C	Organics (GRO)			: High/Med Level : 189016	Prep Batch: 189015
Lab ID	DT	Sample ID	Da	te	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		93	100	
248531- 20		SB1195-4	09/11		94	95	
0/0574 00		SB1225-2	09/11	/2006	93	91	
248531- 22							

70 - 130 63 - 182

ATFT BRFLBE

	Job Number.: 2		CONTROL R		Report Date.: 09/	13/2006	
CUSTOMER: SO	CS Engineers, Ir	nc. PROJEC	T: GSA - SLOP		ATTN: David Brewe	•	
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 Samp	e	G061	10DSA	188923-002	09	/10/20	06 1820
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value QC Calc.	* L	imits F
Gasoline Range Organics (GRO), Solid	ug/Kg	398.255		400.000	5.400 U 100	- %	70-130

Job	Number.: 248531	QUAL	ITY C	ONTROL	RESULTS	Report Date.: 09/	13/2006
CUSTOMER: SCS En	gineers, Inc.		PROJECT:	GSA - SLOP		ATTN:	
QC Type	Description			Reag. Code	Lab ID	Dilution Factor	Date Time
Test Method Method Descripti	: 8015B MGRO on.: TPH - Gasoline Ra	nge Organi	cs (GRO)		ode: INST1314	Analy	st: wre
LCS Lab	oratory Control Sample		ſ	06111DSA	189015-002		09/11/2006 1305
Parameter	/Test Description	Units	QC Result	QC Result	True Value	Orig. Value QC Ca	lc. * Limits
Sasoline Range Or	ganics (GRO), High/Me	ug/Kg	20191.900	)	20000.000	220.000 U 101	% <b>7</b> 0-130

Data File: 09110614 009.d

Report Date: 13-Sep-2006 05:04

# STL Chicago

#### RECOVERY REPORT

Client SDG: 122105icalgrom

Client Smp ID: ical chk

Fraction: VOA

Operator: estesw

Client Name: EPA GC Sample Matrix: SOLID

Lab Smp Id: ical chk

Level: LOW

Data Type: GC DATA

SampleType: LCS

SpikeList File: ICALCHK.spk

Quant Type: ESTD

Sublist File: GRO.sub

Method File: \CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m

Misc Info: ical chk

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		19.196	95.98	60-150

Data File: 091006a14 009.d Report Date:  $13-Sep-\overline{2}006$  05:04

# STL Chicago

#### RECOVERY REPORT

Client SDG: 080305

Operator: estesw

Client Smp ID: ical chk

Fraction: VOA

Client Name: EPA GC Sample Matrix: SOLID

Lab Smp Id: ical chk

Level: LOW

Data Type: GC DATA SampleType: LCS
SpikeList File: ICALSPIKE.spk Quant Type: ESTD
Sublist File: GRO.sub
Method File: \CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\gro14s.m

Misc Info: ical chk

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
S 3 GRO	400.00	400.98	100.24	85-115

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
\$ 2 a,a,a-Trifluorotol	20.000	19.623	98.12	33-131
\$ 4 4-Bromofluorobenze		19.882	99.41	26-146

#### 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:

			<del></del>	
	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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
0.8	SB1225-4	248531-23	091006A14 028	0338
09	SB1135-5	248531-26	091006A14 029	0413
10	SB1225-4	248531-23	091006A14 030	0448
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COMMENTS:	

page 1 of 1

FORM IV VOA

1/87 Rev.

#### 4 A 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	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
		=========	=========	=======
01	189015-2LCS	189015-2LCS	09110614 012	1305
02	SB1185-2	248531-17	09110614 017	1559
0.3	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				
0.8			***************************************	
09				
10				
11				
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17			<u></u>	
1.8	<del></del>			
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24 25			***************************************	
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3 0				

COMMENTS:	

page 1 of 1

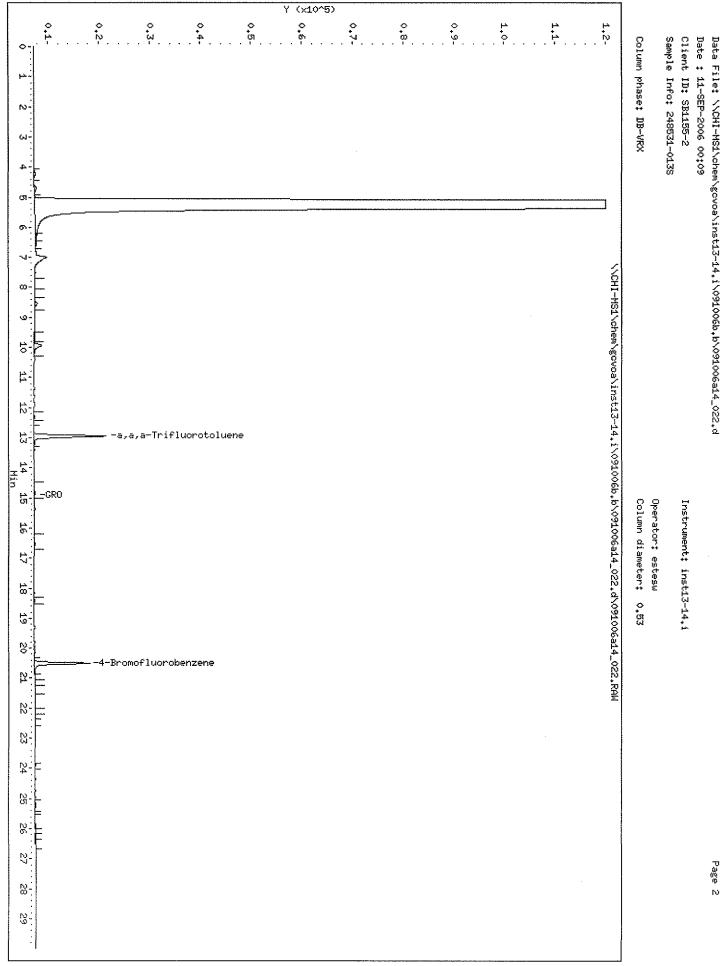
FORM IV VOA

1/87 Rev.

# SAMPLE DATA

STL Chicago is part of Severn Trent Laboratories, Inc.

PROJECT: GSA  SAMPLE -RESULT Q FL  85.4 14.6 6.8 J	Job Number: 248531
	LABORATORY
	T #
SLOP Laboratory Sample ID: Date Received: Time Received: 6.3	ST RESULT
Rt 0.10 0.10 0.10 0.10 59	S
1.00000	
g g	Date:0
NITS BATCH DT	Date:09/13/2006
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09/09/06 1939 clb 09/11/06 0009 wre	The second secon
ago Wr e Cib TECH	1



Data File: 091006a14 022.d Report Date:  $13-Sep-\overline{2}006$  05:22

# 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

Inst ID: inst13-14.i

Operator : estesw Smp Info : 248531-013S Misc Info: 248531-13

Comment

: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m Method

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
		were never never days days with ready book book with very your news mean years never never days days book book book book book book
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

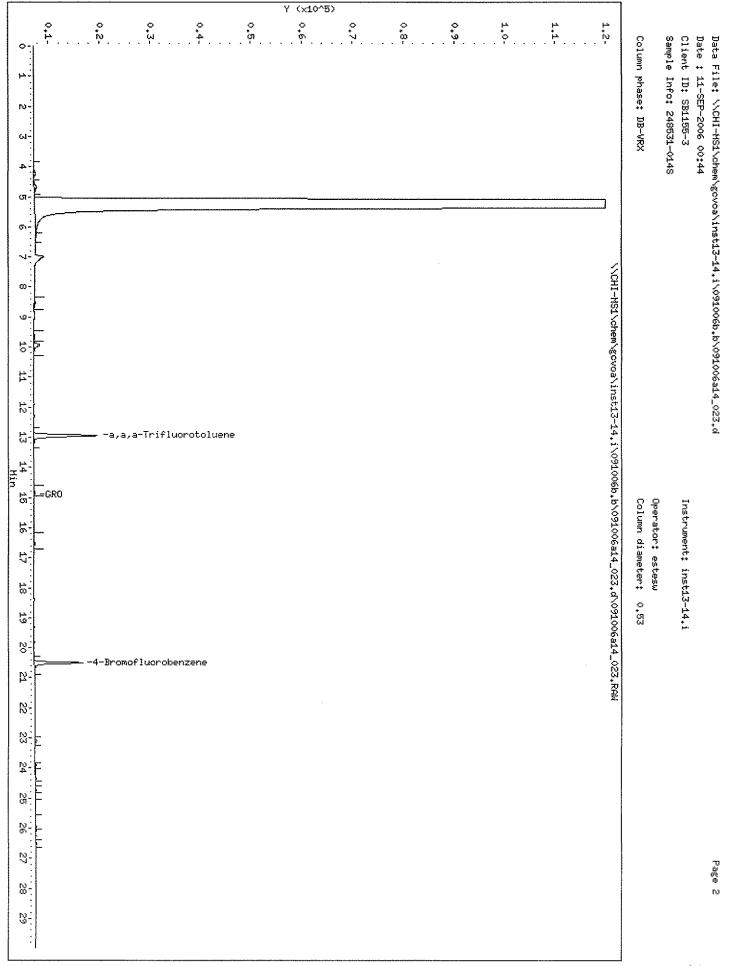
•						CONCENTRA	ATIONS	
						ON-COLUMN	FINAL	
Compounds		RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)	
***		=====			*=****			
\$ 2 a,a,a-Trifluoro	otoluene	12.947	12.940	0.007	14317	17.7434	20.777	(b) (c)
S 3 GRO		7.504-	22.318		43708	5.78465	6.774(a)	(b) (6)
\$ 4 4-Bromofluorobe	enzene	20.499	20.488	0.011	11146	15.4620	18.105	

#### QC Flaq Legend

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

STL Chicago is part of Severn Trent Laboratories, Inc.

	80158 MGRO	Method	TEST METHOD	Customer Date San Iime San Sample M	CUSTOMER: SCS	
* In Description = Dry Wgt.	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	% Solids Determination % Solids, Solid % Moisture, Solid	PARAMETER/TEST DESCRIPTION		CUSTOMER: SCS Engineers, Inc.	Job Number: 248531
	ND .	83. <i>7</i> 16.3	SAMPLE RESULT		PROJECT: GSA	LABORATOR
Page 3	C		9 FLAGS	7 D. L.		Υ T E
	6.5	0.10 0.10	MDL	Laboratory Sample ID: Date Received: Time Received:	SLOP	STRESUL
	60	0.10 0.10	R.	102		S 1.
	1.00000		NOTINI			
	ug/Kg	% %	S11NN	Control of the contro	ATTN	Date:0
	188924	188899 188899	BATCH	12.12.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	David Brewer	Date:09/13/2006
	09/11/06 0044 wre	09/09/06 1942 09/09/06 1942	DT DATE/TIME	Annan ann an Annan an Annan an Annan A	емег	
ago	4 Wre	2 C C C C C C C C C C C C C C C C C C C	ТЕСН	in income and the second secon		



Report Date:  $13-Sep-\overline{2}006$  05:22

# 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

Operator : estesw 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

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

COL	NCEN	TRAT	IONS

FINAL

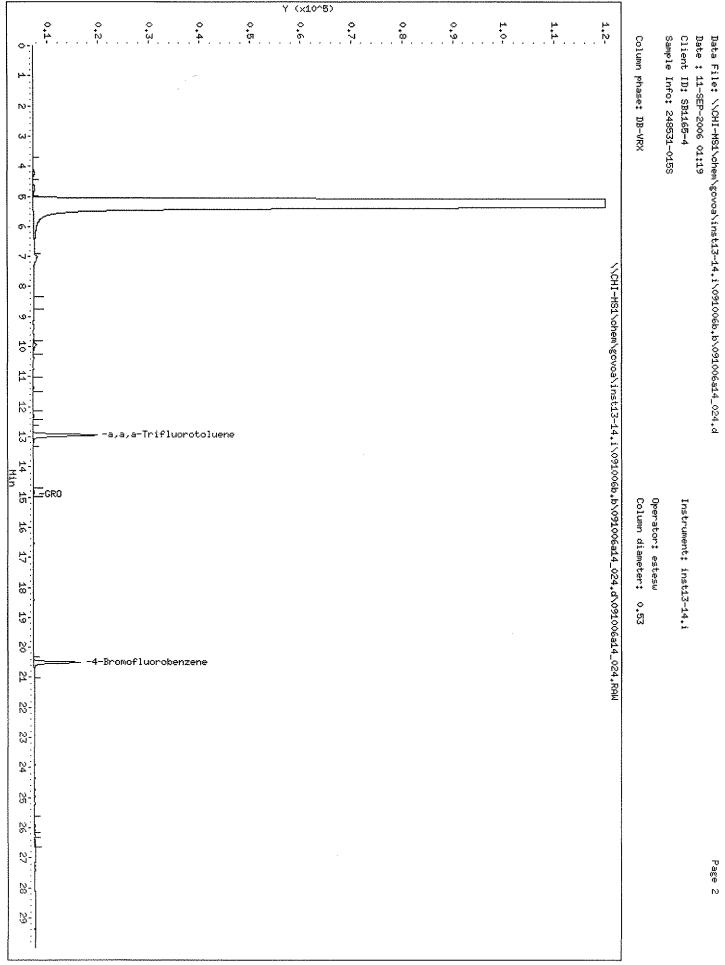
ON-COLUMN

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

(b) (6)

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* In Description = Dry Wgt.	8015B MGRO TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	Method % Solids Determination % Solids, Solid % Moisture, Solid	TEST METHOD PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1165-4 Date Sampled: 09/06/2006 Time Sampled: 11:00 Sample Matrix: Soil	CUSTOMER: SCS Engineers, Inc.	Job Number: 248531
Page 4	Ą	79.9 20.1	SAMPLE RESULT Q		PROJECT: G	LABORATORY
4	6. œ	0.10 0.10	FLAGS MOL	Laboratory Sample ID: Date Received: Time Received	GSA SLOP	TEST RESULT
	83	0.10 1 0.10 1	R. D	0: 248531-15 0: 09/07/2006 0: 10:00		S
Advantage	1.00000		DILUTION			
The state of the s	ug/Kg	% %	UNITS		ATTN:	Date:09
Acceptance of the Control of the Con	188924	188899 188899	BATCH DI		David Brewer	Date:09/13/2006
	09/11/06 0119 wre	09/09/06 1945 o	DATE/TIME		ver.	
STL Chicago	Σ Π Θ	clp clp	TECH			



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

Operator : estesw 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

Als bottle: 1

Dil Factor: 1.00000 Integrator: HP Genie

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
THE STATE SAME SAME MADE SAME SAME SAME SAME SAME SAME SAME SAM	name make plane and damp make about head work have	
DF	1.000	Dilution Factor
Uf	5.000	Correction factor
Ws		Weigth of sample extracted (g)
M	20.100	% Moisture
Cpnd Variable		Local Compound Variable

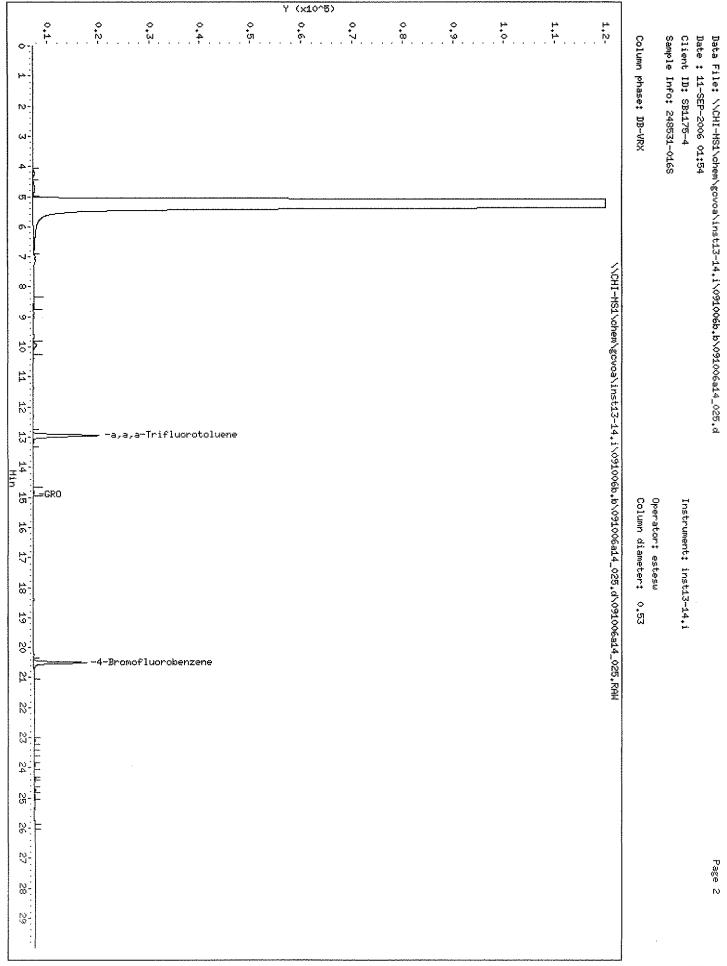
CONCENTRATIONS
ON-COLUMN FINAL

						01. 0020121	2 2 2 1 2 2 2
Compounds		RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)
m uz s		***	======				
\$	2 a,a,a-Trifluorotoluene	12.946	12.940	0.006	12628	15.6502	19.587
s	3 GRO	Con	pound Not	Detected	d.		
\$	4 4-Bromofluorobenzene	20.500	20.488	0.012	9224	12.7958	16.015

(b) (6)

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Annual Market (Annual Annual A		Method % % % % % % % % % % % % % % % % % % %	TEST METHOD	Customer Sample ID: Date Sampled: Time Sampled: Sample Matrix:	CUSTOMER: SCS Engineers, Inc.	qor
* In Description = Dry Wgt.	Gasoline Range Organics (GRO), Solid*	Solids Determination Solids, Solid Moisture, Solid PH - Gasoline Range Organics (GRO)	PARAMETER/TEST_DESCRIPTION	mple ID: SB1175-4 d: 09/06/2006 d: 11:45 ix: Soil	ineers, Inc.	Job Number: 248531
Page 5	· · · · · · · · · · · · · · · · · · ·	78.9 21.1	SAMPLE RESULT   0 FLAGS		PROJECT: GSA	LABORATORY T
ALAA, — — — — — — — — — — — — — — — — — —	 &.	0.10 0.10	S MOL	Laboratory Sample ID: Date Received: Time Received:	- SLOÞ	EST RESUL
	63	0.10	R.L	ID: 248531-16 : 09/07/2006 : 10:00		S
	1.00000	دس دس	DITUTION			
	ug/Kg	% %	UNITS		ATTN:	Date
	188924	188899 188899	BATCH		David Brewer	Date:09/13/2006
	09/11/06 0154 wre	09/09/06 1948 : 09/09/06 1948 :	DI DATE/IIME		ewer	5
ago	¥70	6 p	TECH			



Data File: 091006a14\_025.d Report Date: 13-Sep-2006 05:22

# 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

Operator : estesw 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

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 Uf Ws	5.000	Dilution Factor Correction factor Weigth of sample extracted	(a)
M Cpnd Variable		% Moisture Local Compound Variable	

CONCENTRA	PKONG

FINAL

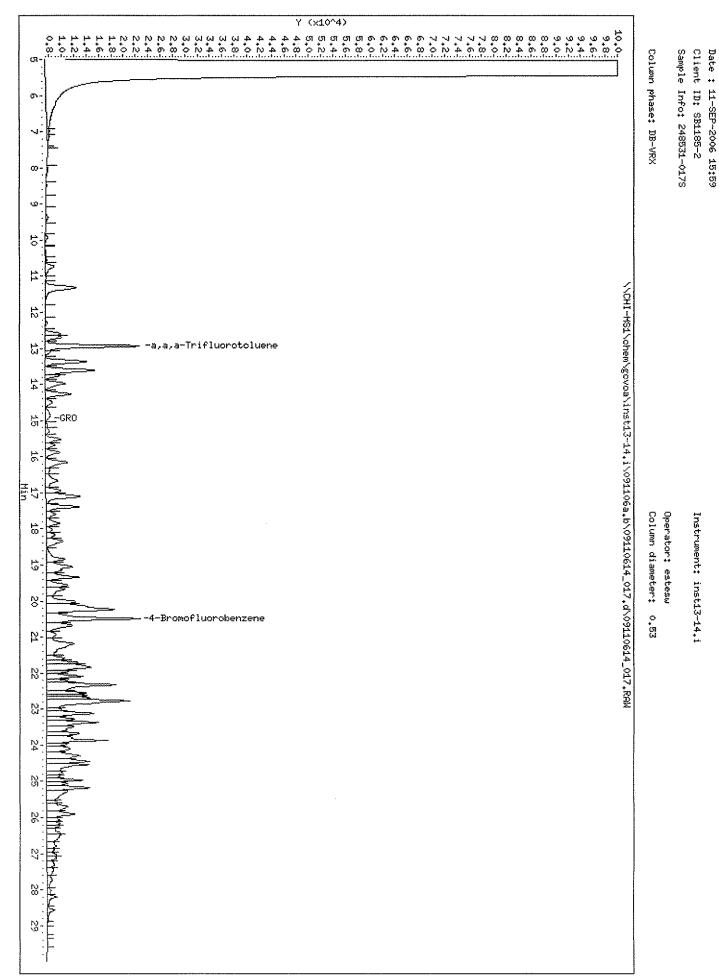
ON-COLUMN

			02, 0020121	
Compounds	RT EXP RT	DLT RT RESPONSE	( ug/L)	(ug/Kg)
A	mnus ss=====		======	
\$ 2 a,a,a-Trifluorotoluene	12.946 12.940	0.006 13081	16.2116	20.547
S 3 GRO	Compound No	t Detected.		(b) (6)
\$ 4 4-Bromofluorobenzene	20.499 20.488	0.011 10532	14.6103	18.517 (b) (6)

38

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	8015B MGRO Method	COHIBW 1831	CUSIOMER: SCS Customer Date Sam Time Sam Sample M	3.34
* In Description = Dry Wgt.	TPH - Gasoline Range Organics (GRO), High/Med L*vel Gasoline Range Organics (GRO), High/Med L*vel % Solids Determination % Solids, Solid % Moisture, Solid	PARAMETER/TEST DESCRIPTION	Tak: SUS Engineers, Inc.  Customer Sample ID: SB1185-2  Date Sampled: 09/06/2006  Time Sampled: 13:10  Sample Matrix: Soil	Job Number: 248531
	39000 85_8 14.2	SAMPLE RESULT	PROJECT: USA	A B O R A
Page 6		Q FLAGS	1 13.5	
	510 0.10 0.10	JOL	Laboratory Sample ID: Date Received: Time Received:	RESUL
	5800 0.10 0.10	7	ID: 248531-17 : 09/07/2006 : 10:00	8
	2.000	NOTITION		
	∪g/Kg % %	STINU	A	Date:0
	189016 188899 188899	BATCH D	payid blewer	Date:09/13/2006
	09/11/06 1559 wre 09/09/06 1951 clb 09/09/06 1951 clb	DT DATE/TIME	Section	
ago	C C E C C C C C C C C C C C C C C C C C	TEO		



Data File: \\CHI-MS1\chem\govoa\inst13-14.i\091106a.b\09110614..017.d

Report Date: 13-Sep-2006 05:14

# STL Chicago

Data file: \CHI-MS1\chem\qcvoa\inst13-14.i\091106a.b\09110614 017.d

Lab Smp Id: 248531-17 Client Smp ID: SB1185- $\overline{2}$ 

Inj Date : 11-SEP-2006 15:59

Operator : estesw Inst ID: inst13-14.i

Operator : estesw 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

Als bottle: 1

Dil Factor: 100.00000 Integrator: HP Genie

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

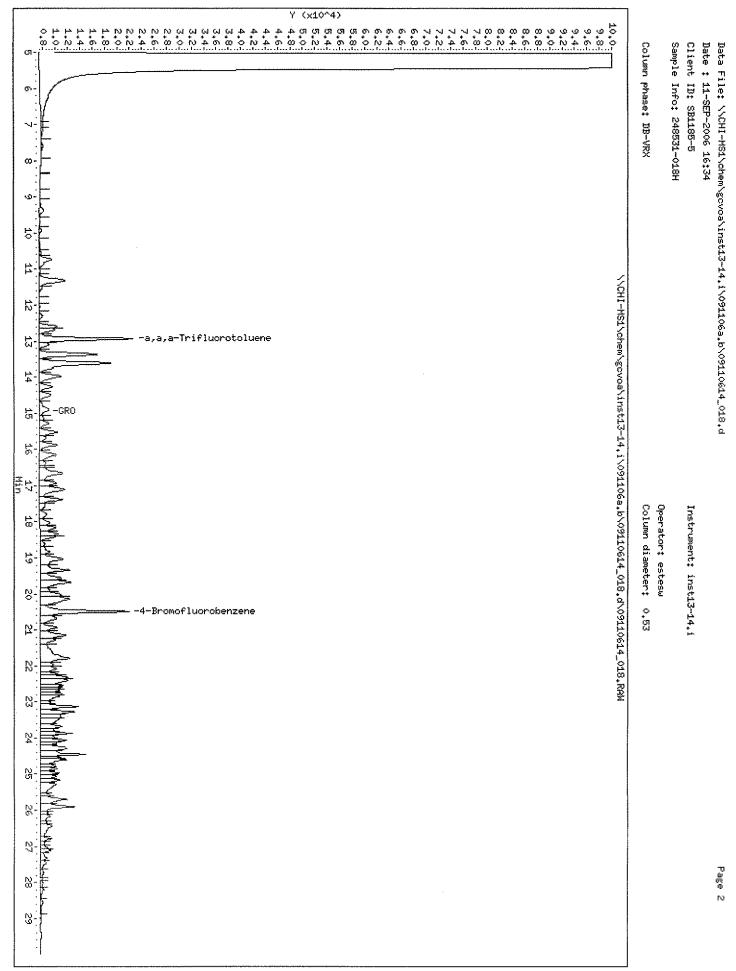
Name	Value	Description
DF Uf Ws M Cpnd Variable	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted (g) % Moisture Local Compound Variable

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



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		Method	TEST METHOD 8015B MGRO	Customer Date Sam Time Sam Sample M	CUSTOMER: SCS	
* In Description = Dry Wgt.	% Moisture, Solid	Gasoline Range Organics (GRO), High/Med L*vel % Solids Determination	PARAMETER/TEST DESCRIPTION  TPH - Gasoline Range Organics (GRO)	Customer Sample ID: SB1185-5 Date Sampled: 09/06/2006 Time Sampled: 13:25 Sample Matrix: Soil	CUSTOMER: SCS Engineers, Inc.	Job Number: 248531
Page	13.2	36000	۵		PROJECT: GSA	ABORATORY
5 7			FLAGS	Lab Dat Tim	A - SLOP	7 E S
	0.10	510	MDL	Laboratory Sample ID: Date Received: Time Received:	OP.	TRESUL
	0.10	5800	R	ID: 248531-18 : 09/07/2006 : 10:00		T S
	<u> </u>	2.000	DILUTION			And the second s
	% >	ug/Kg "	STINU		ATTN:	Date:C
	188899	189016	BATCH		David Brewer	Date:09/13/2006
	09/09/06 1953	09/11/06 1634	DT DATE/TIME		3rewer	36
ago	C F 6	<u>×</u> × × × ×	TECH			



Data File: 09110614\_018.d Report Date: 13-Sep-2006 05:14

# 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- $\overline{5}$ 

Inj Date : 11-SEP-2006 16:34

Operator : estesw Inst ID: inst13-14.i

Operator : estesw 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

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

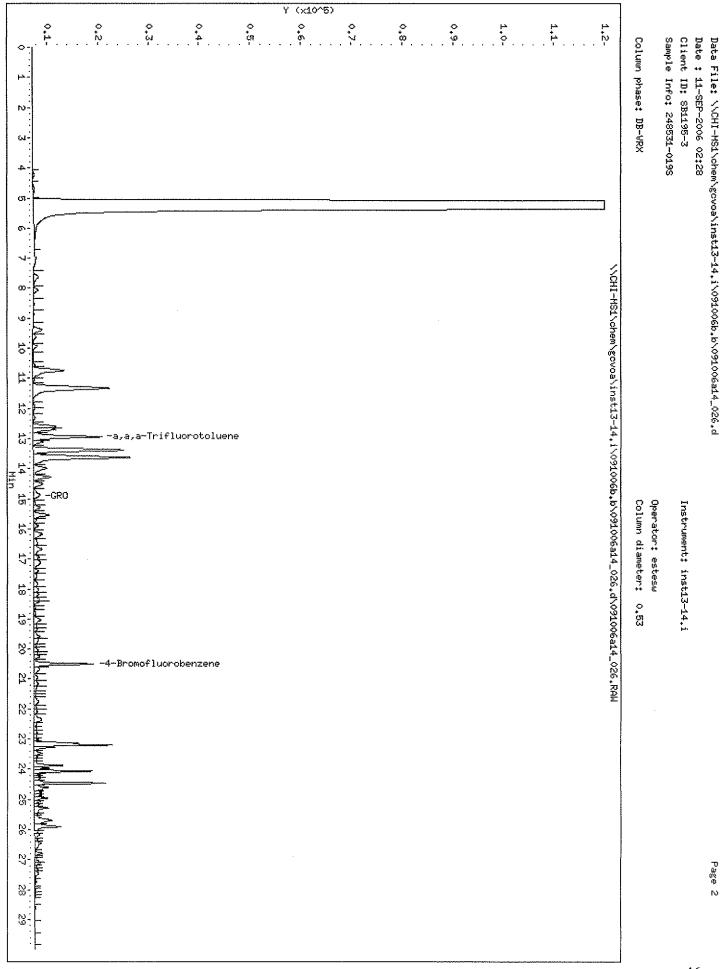
Name	Value	Description	
DF Uf Ws M Cpnd Variable	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted % Moisture Local Compound Variable	(g)

						CONCENTRATIONS		
						ON-COLUMN	FINAL	
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)	
==	######################################	===#		=======				
\$	3 a,a,a-Trifluorotoluene	12.935	12.948	-0.013	15234	18.5502	21.371	
S	5 GRO	7.569-	-22.338		2242241	314.091	36186	
ć.	C 4 Drawaflwarahansana	20 400	20 602	0.014	14700	10.0000	22 021	

(b) (6)

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* In Description = Dry Wgt.	8015B MGRO TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	Method % Solids Determination % Solids, Solid % Moisture, Solid	TEST METHOD PARAMETER/TEST DESCRIPTION	CUSTOMER: SCS: Engineers; Inc.  CUSTOMER: SCS: Engineers; Inc.  Customer Sample ID: SB1195-3  Date Sampled: 09/06/2006  Time Sampled: 14:05  Sample Matrix: Soil
70	310	78.8 21.2	SAMPLE RESULT	ABORATORY PROJECT: GSA
Page 8			Q FLAGS	
	6.9	0.10 0.10	MDL	RESU atory Sample Received
	63	0.10 0.10	RL	L T S  ID: 248531-19: 09/07/2006: 10:00
	1.00000		DILUTION	
	и9/К9	% %	UNITS	Date:09
	188924	188899 188899	BATCH [	Date:09/13/2006 ATTN: David Brewer
	09/11/06 0228 wre	09/09/06 1956 09/09/06 1956	DT DATE/TIME	exer
igo	¥re	q15 q15	TECH	



Data File: 091006a14 026.d Report Date:  $13-Sep-\overline{2}006$  05:22

# 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

Inst ID: inst13-14.i

Operator : estesw 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 Uf Ws M Cpnd Variable	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted (g) % Moisture Local Compound Variable

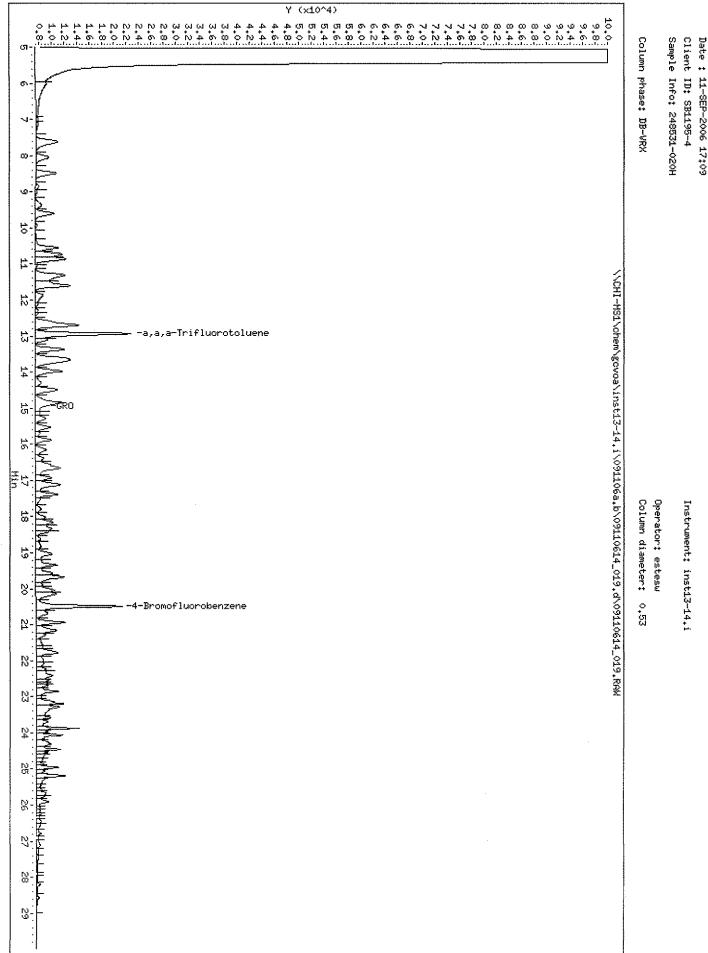
CONC	ENTR	OTTA	VS.

						ON-COLUMN	FINAL
Cor	npounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)
20 20 2						**=====	****
\$	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



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				, egg-1, <b>1</b>		T	
		Method	8015B MGRO	TEST METHOD	Customer Date Sam Time Sam Sample M	CUSTOMER: SCS	
* In Description = Dry Wgt.	% Moisture, Solid	% Solids Determination % Solids, Solid	TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), High/Med L*vel	PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1195-4 Date Sampled: 09/06/2006 Time Sampled: 14:25 Sample Matrix: Soil	CUSTOMER: SCS Engineers, Inc.	Job Number: 248531
•	18.5	81.1	82000	SAMPLE RESULT		PROJECT:	ABORATORY
Page 9				Q FLAGS	Lab Dat Tîm	: GSA - SLOP	TES
		0.10	1100	MDL	Laboratory Sample ID: Date Received: Time Received:	OP	T RESUL
		0.10	12000	RL	0: 248531-20 .: 09/07/2006 .: 10:00		T S
			4.000	NOTINTE			
		: >4	ug/Kg	STINU		ATTN:	Date:0
	188899	188899	189016	ватсн г		David Brewer	Date:09/13/2006
		09/09/06 1959	09/11/06 1709 wre	DATE/TIME		емег	
ago	C C C	59 clb	)9 wre	TECH			



Data File: \\CHI-MS1\chem\govoa\inst13-14.i\091106a.b\09110614\_019.d

Report Date: 13-Sep-2006 05:14

## 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- $\overline{4}$ 

Inj Date : 11-SEP-2006 17:09

Operator : estesw Inst ID: inst13-14.i

Operator : estesw 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

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 Uf Ws	5.000	Dilution Factor Correction factor Weigth of sample extracted	(a)
M Cpnd Variable		% Moisture Local Compound Variable	(3)

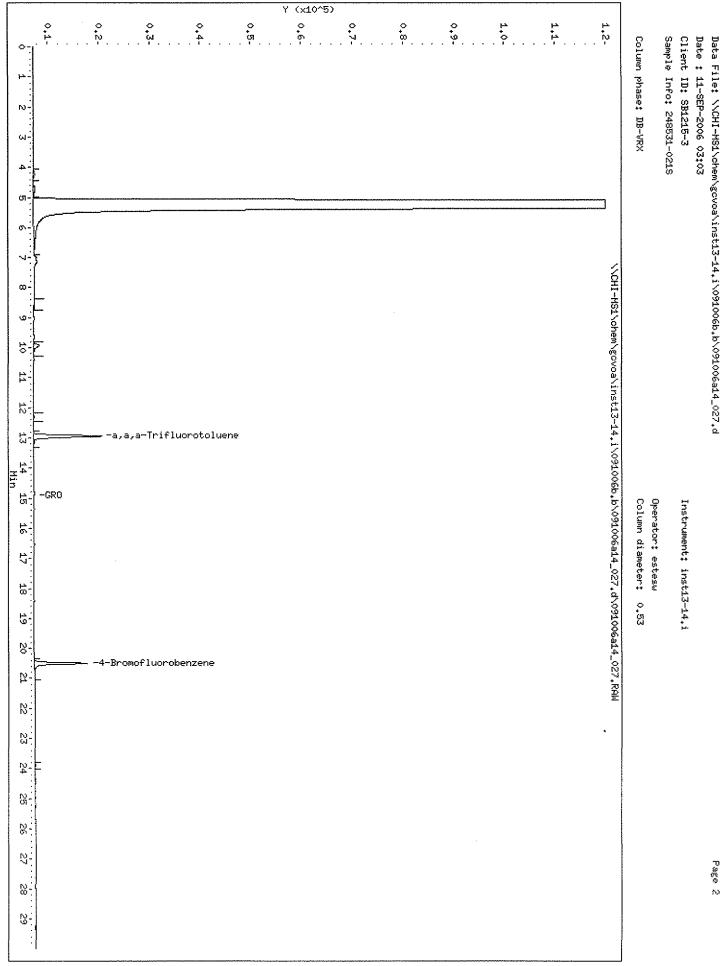
CONCENTRA'	PIANT

						ON-COLUMN	FINAL
Con	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)
IP III I			***				
\$	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)

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* In Description = Dry Wgt.	8015B MGRO TPH - Gasoline Range Organics (GRO), Gasoline Range Organics (GRO), Solid*	Method % Solids Determination % Solids, Solid % Moisture, Solid	TEST METHOD PARAMETER/TEST DESCRIPTION	Job Number: 248531  CUSTONER: SCS Engineers, Inc.  Customer Sample ID: SB1215-3  Date Sampled: 09/06/2006  Time Sampled: 15:10  Sample Matrix: Soil
			<u>Q</u>	LA
	D	80.1 19.9	SAMPLE RESULT	B O R A T O R
Page 10	C		Q FLAGS	GSA T
	6.7	0.10 0.10	<b>.</b>	EST RESULT: SLOP Laboratory Sample ID: Date Received: Time Received:
	62	0.10 0.10	RL	s : 248531-21 : 09/07/2006 : 10:00
	1.00000	<u>د. د.</u>	DILUTION	
	ug/Kg	24 24	SIINN	Date:(
	188924	188859 188859	ВАТСН	Date:09/13/2006 ATTN: David Brewer
	09/11/06 0303 wre	09/08/06 1259 09/08/06 1259	DT DATE/TIME	e.e.
STL Chicago	Æŗe	ซิซิ	TECH	



Report Date:  $13-Sep-\overline{2}006$  05:22

## 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

Inst ID: inst13-14.i

Operator : estesw 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

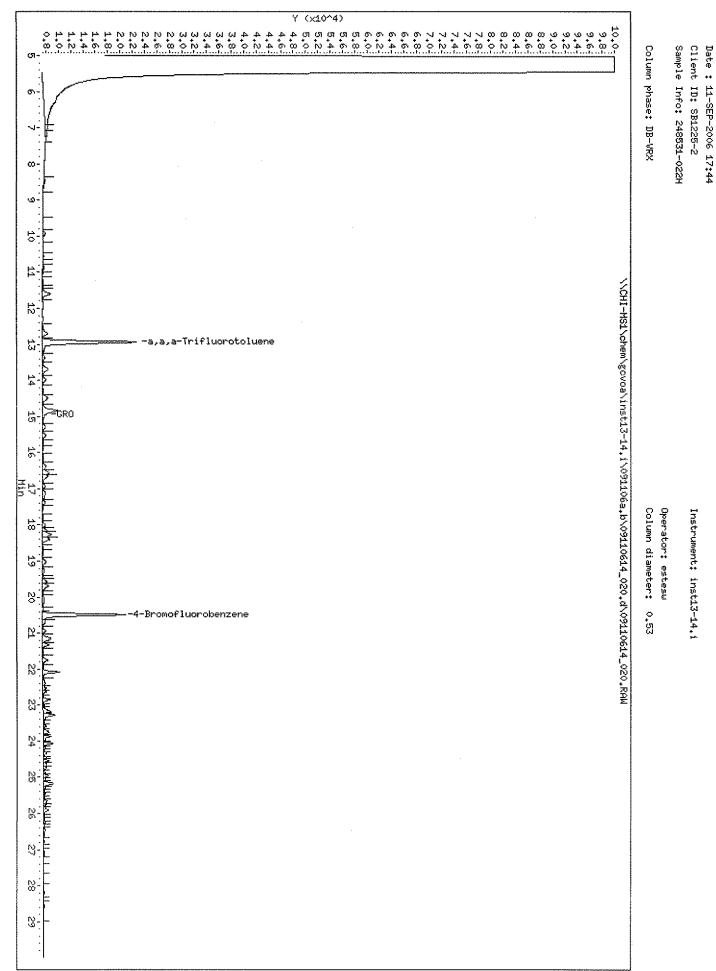
Name	Value	Description
DF Uf Ws M Cpnd Variable	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted (g) % Moisture Local Compound Variable

					CONCENTRA	RIONS		
					ON-COLUMN	FINAL		
Cor	npounds	RT EX	IP RT DLT RT	RESPONSE	( ug/L)	(ug/Kg)		
zu :	n na sa na sa cu na na cu an cu an na ca na	==== ===		*******				
\$	2 a,a,a-Trifluorotoluene	12.948 12	.940 0.008	13526	16.7631	20.928		
s	3 GRO	Compou	and Not Detecte	ed.			(b) (6)	,
\$	4 4-Bromofluorobenzene	20.500 20	.488 0.012	10583	14.6810	18.328	(b) (d)	

Page 1

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* In Description = Dry Wgt.	Method % Solids Determination % Solids, Solid % Moisture, Solid	8015B MGRO TPH ~ Gasoline Range Organics (GRO), High/Med L*vel	TEST METHOD PARAMETER/TEST DESCRIPTION	ر 20 20	L Job Number: 248531
q	81.9 18.1	3400	SAMPLE RESULT		A B O R A T O R Y  PROJECT: GSA
Page 11			Q FLAGS	£.:	I E S T
	0.10 0.10	270	MDL	atory Sample Received Received	OP RESUL
	0.10 0.10	3100	RL	ID: 248531-22 : 09/07/2006 : 10:00	T 8
		1.0000	DILUTION		
	% %	ug/Kg	SIIND		Date:0
	188859 188859	189016	BATCH		Date:09/13/2006 ATTN: David Brewer
	09/08/06 1301 09/08/06 1301	09/11/06 1744 wre	DI DATE/TIME		ewer
cago	<del>ច</del> ិច	wre	TECH		



Page 2

Data File: \\CHI~MS1\chem\gcvoa\inst13-14.i\091106a.b\09110614\_020.d

Data File: 09110614\_020.d Report Date: 13-Sep-2006 05:14

#### 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

Operator : estesw 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

Als bottle: 1

Dil Factor: 50.00000 Integrator: HP Genie

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

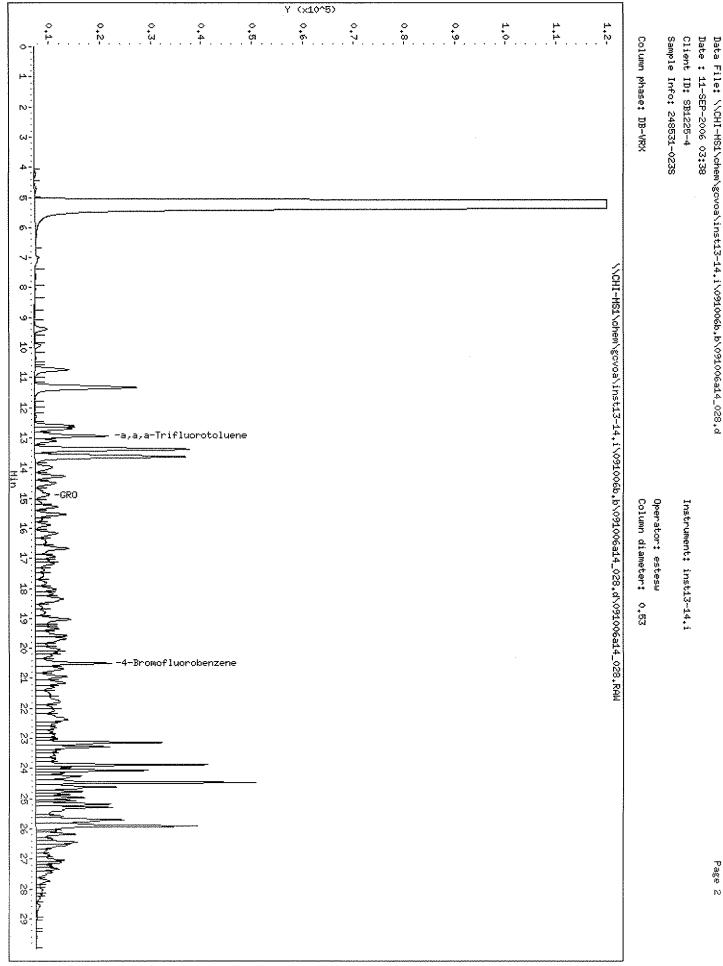
Name	Value	Description	
DF Uf		Dilution Factor Correction factor	
Ws		Weigth of sample extracted	(g)
M Cpnd Variable	18.100	% Moisture Local Compound Variable	

						CONCENTRA	ATIONS
						ON-COLUMN	FINAL
Con	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)
	, ,	*==	=======	===			
\$	3 a,a,a-Trifluorotoluene	12.934	12.948	-0.014	15311	18.6440	22.764
S	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)

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* In Description = Dry Wgt.	Method % Solids Determination % Solids, Solid % Solids, Solid % Moisture, Solid % Moisture, Solid % Moisture, Solid Gasoline Range Organics (GRO), Solid*	TEST METHOD PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1225-4 Date Sampled: 09/06/2006 Time Sampled: 16:40 Sample Matrix: Soil	CUSTOMER: SCS Engineers, Inc.	Job Number: 248531
Page 12	77.9 22.1	SAMPLE RESULT Q FLAGS		PROJECT: GSA -	LABORATORY T
	0.10 0.10 6.9	NDL.	Laboratory Sample ID: Date Received: Time Received:	SLOP	EST RESUL
	0.10 0.10 64	2	ID: 248531-23 : 09/07/2006 : 10:00		σ σ
	1.00000	NOTTUTE			
	ug/Kg	STINU		ATTN:	Date:0
	188859 188859 188924	BATCH		David Brewer	Date:09/13/2006
300	09/08/06 1303 lp 09/08/06 1303 lp 09/11/06 0338 wre	DI DATE/TIME TE		wer	
igo	ő Ü	TECH			



Data File: 091006a14\_028.d Report Date: 13-Sep-2006 05:22

## 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

Operator : estesw 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

Als bottle: 1

Dil Factor: 1.00000
Integrator: HP Genie

Integrator: HP Genie Compound Sublist: GRO.sub

Target Version: 4.14

Processing Host: CHI-BOXFISH

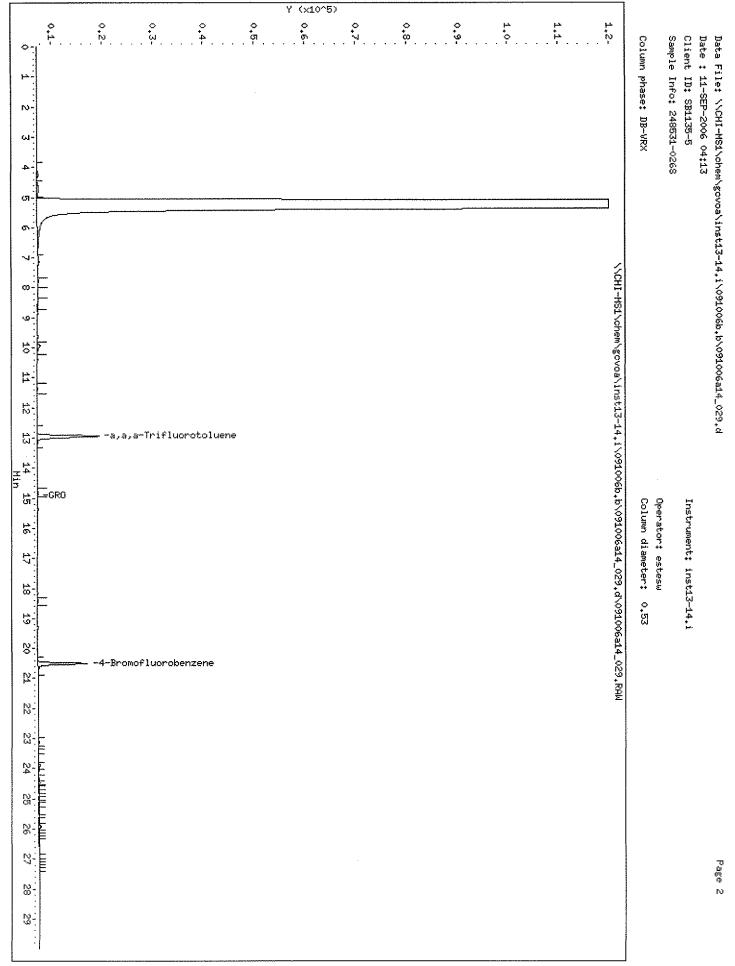
Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

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

			CONCENTRATIONS					
						ON-COLUMN	FINAL	
Con	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)	
===		====						
\$	2 a,a,a-Trifluorotoluene	12.943	12.940	0.003	14566	18.0520	23.173	(1 ) (0)
s	3 GRO	7.504	-22.318		4138977	547.783	703.19	(b) (6)
\$	4 4-Bromofluorobenzene	20.498	20.488	0.010	14953	20.7432	26.628	

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	~		Ω	
	Method 8015B MGRO	TEST METHOD	USTOMER: SCS Engineer Customer Sample Date Sampled Time Sampled Sample Matrix	
* In Description = Dry Wgt.	% Solids Determination % Solids, Solid % Moisture, Solid % Moisture, Solid TPH - Gasoline Range Organics (GRO) Gasoline Range Organics (GRO), Solid*	PARAMETER/TEST DESCRIPTION	CUSTOMER: SCS Engineers, Inc.  Customer Sample ID: SB1135-5  Date Sampled: 09/05/2006  Time Sampled: 17:30  Sample Matrix: Soil	Job Number: 248531
	₹ 1	SAMPLE		LAB
	79.8 20.2	PLE RESULT	PROJECT: GSA	ORATOR
Page 13	С	Q FLAGS	1 200	<b>-</b>
\$		š	SLOP Laborat Date Re Time Re	EST
	0.10 0.10 6.8	MDL	SLOP  Laboratory Sample ID: Date Received: Time Received:	RESUL
	0.10 0.10 63	R.	ID: 248531-26 : 09/07/2006 : 10:00	S
	1.00000	NOITUIG		
	% % w	STINU	MITA	Date:0
	188859 188859 188924	BATCH	David Brewer	Date:09/13/2006
		DT	Згене	8
	09/08/06 1308 lp 09/08/06 1308 lp 09/11/06 0413 wre	DATE/TIME	3	
ago	13 08 (p	TECH		
	ro	⊊		1



Report Date:  $13-Sep-\overline{2}006$  05:22

## 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

Operator : estesw 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

Als bottle: 1

Dil Factor: 1.00000 Integrator: HP Genie

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

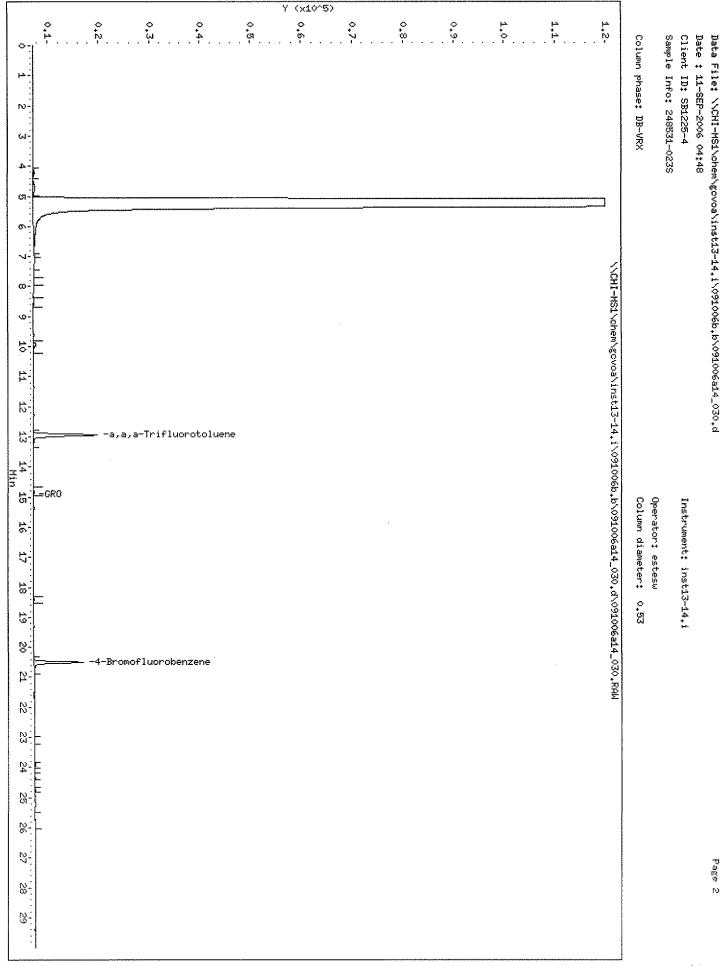
Name	Value	Description
DF Uf Ws M	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted (g) % Moisture
Cpnd Variable		Local Compound Variable

CONC	ENTRA	ATI	ONS

				CONCENTIA	ALIONO
				ON-COLUMN	FINAL
Co	ompounds	RT EXP RT	DLT RT RESPONSE	( ug/L)	(ug/Kg)
122: 13	***************************************		=======================================		
\$	2 a,a,a-Trifluorotoluene	12.947 12.940	0.007 12240	15.1693	19.009
S	3 GRO	Compound No	t Detected.		
\$	4 4-Bromofluorobenzene	20.500 20.488	0.012 9729	13.4963	16.913

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* In Description = Dry Wgt.	8015B MGRO   TPH - Gasoline Range Organics (GRO)   Gasoline Range Organics (GRO), Solid*	Method % Solids Determination % Solids, Solid % Moisture, Solid	TEST METHOD PARAMETER/TEST DESCRIPTION	Customer Sample ID: SB1145-3 Date Sampled: 09/05/2006 Time Sampled: 18:00 Sample Matrix: Soil	CUSTOMER: SCS Engineers, Inc.	Job Number: 248531
Page 14	ND C	78.4 21.6	SAMPLE RESULT Q FLAGS		PROJECT: GSA	LABORATORY TE
	6.9	0.10 0.10	S	Laboratory Sample ID: Date Received: Time Received:	SLOP	EST RESULT
	64	0.10	<b>7</b>	: 248531-27 : 09/07/2006 : 10:00		S
	1.00000		DILUTION			
	ug/Kg	34 34	STIND		ATTN:	Date:
arrivation (Application)	188924	188859 188859	BATCH	•	David Brewer	Date:09/13/2006
STI Chiana	09/11/06 0448 wre	09/08/06 1310 Lp	DI DATE/TIME TI		CHCT	5
STL Chicago	 <b>ர்</b>	<u> </u>	TECH			



Report Date:  $13-Sep-\overline{2}006$  05:22

## 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

: 248531-023S Smp Info 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

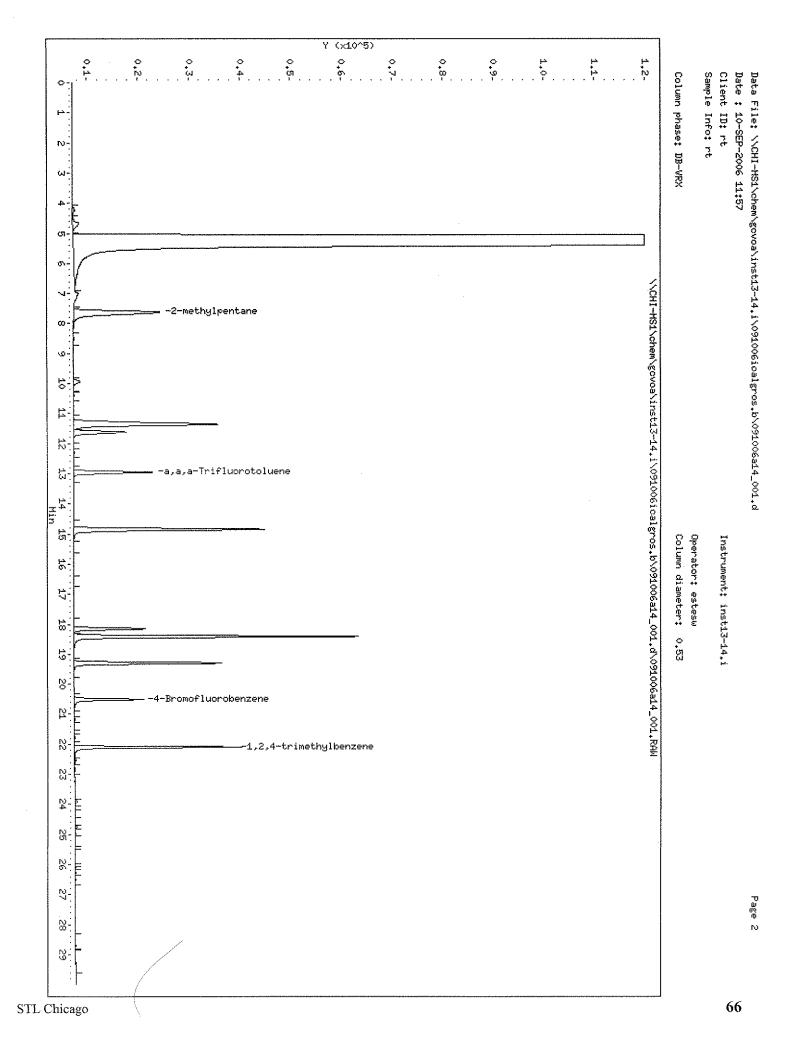
Processing Host: CHI-BOXFISH

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

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

	CONCENTRATIONS						
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)	
	===		MA NEW TOO DEC STAT ON PAR AND				
\$ 2 a,a,a-Trifluorotoluene	12.944	12.940	0.004	12625	15.6465	20.085	
							(1 ) (0)

S 3 GRO Compound Not Detected. 4 4-Bromofluorobenzene 20.500 20.488 0.012 9894 13.7252 17.619



# 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

Origin : Disabled
Target Version : 4.14
Integrator : HP Genie

Method file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m

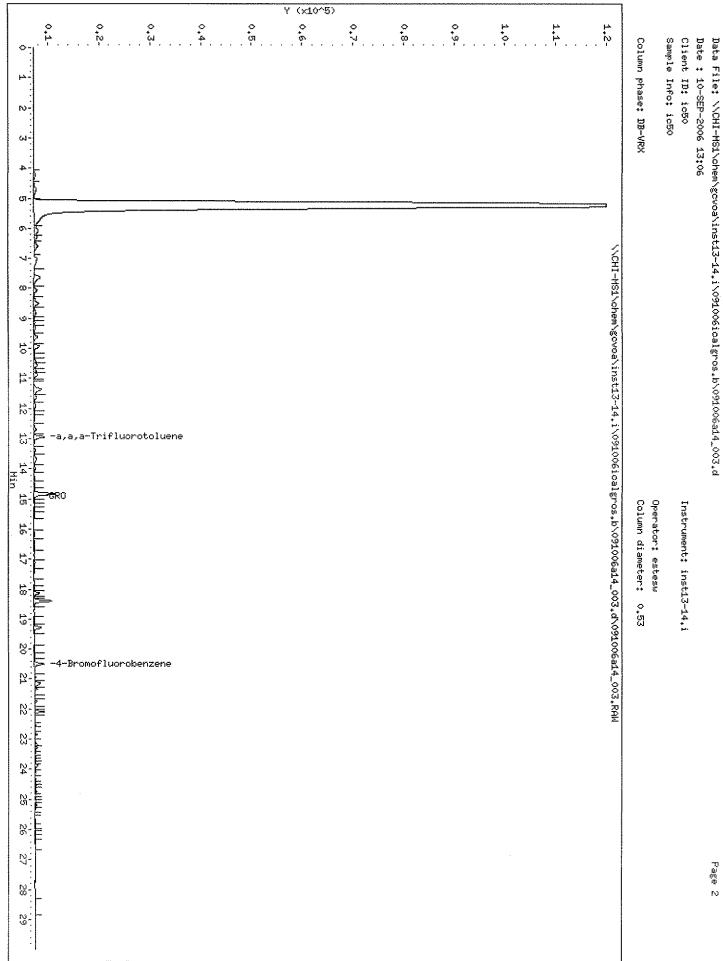
Last Edit : 13-Sep-2006 05:22 inst13-14.i

Curve Type : Average

#### Calibration File Names:

	TOIL LITE MARIED.	
	\\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.k	
Level 6	\\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.k	o\091006a14_008.d

	· · · · · · · · · · · · · · · · · · ·	2.500	5.000 l	10.000 1	20,000	30.000	50,000			1
1	Compound	2.500     Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	   % RSD	1
1	Compositio	reset t	never 4	'			Peaer 0	1	i I	1
1==		:[========[	=========						NOT THE REE AND CON CO. MILE AND THE TEST TOO	
1	1 2-methylpentane	+++++	+++++	++++	+++++	++++	++++	++++	+++++	< "
S	3 GRO	7756	7535	7514	7503	7581	7446	7556	1.419	٠
1	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	1
1			1							.1



Data File: 091006a14\_003.d Report Date: 13-Sep-2006 04:58

# 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
		the wife took the side was took too took too took took took took
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

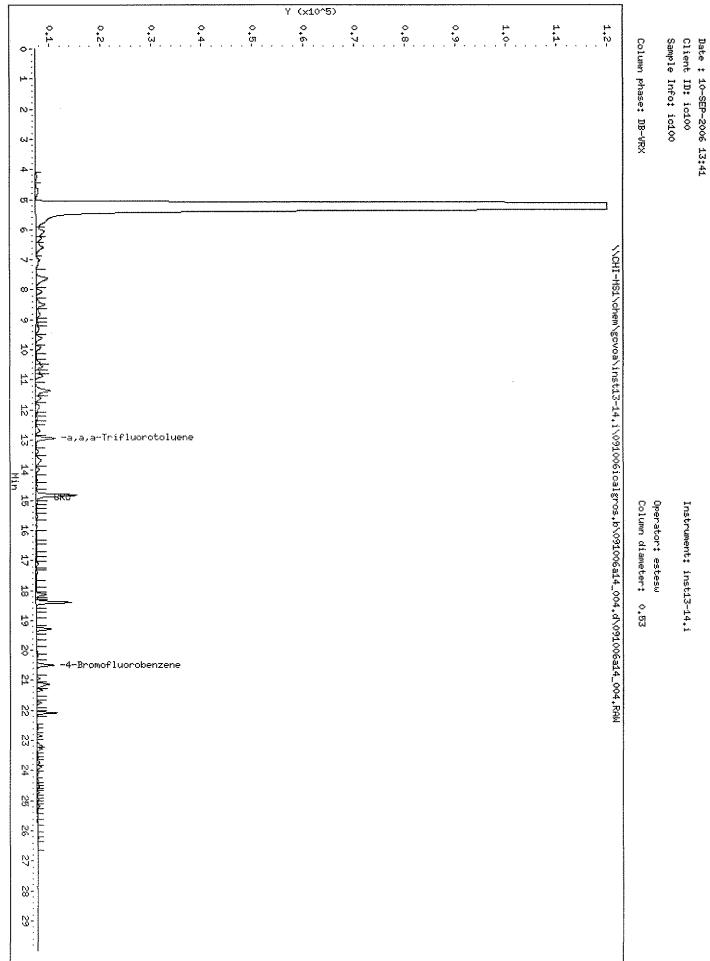
AMOUNTS

						CAL-AMT	ON-COL
Cor	npounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
22 EU S	22 224 227 237 237 237 237 237 237 237 237 237	100 100 100 100 100					
\$	2 a,a,a-Trifluorotoluene	12.944	12.940	0.004	2128	2.50000	2.637(a)
S	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-MS1\chem\gcvoa\inst13-14,i\091006icalgros.b\091006a14\_004.d

Data File: 091006a14\_004.d Report Date: 13-Sep-2006 04:58

## 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

Operator : estesw 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

Dil Factor: 1.00000 Integrator: HP Genie

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 Uf Ws M Cpnd Variable	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted % Moisture Local Compound Variable	(g)

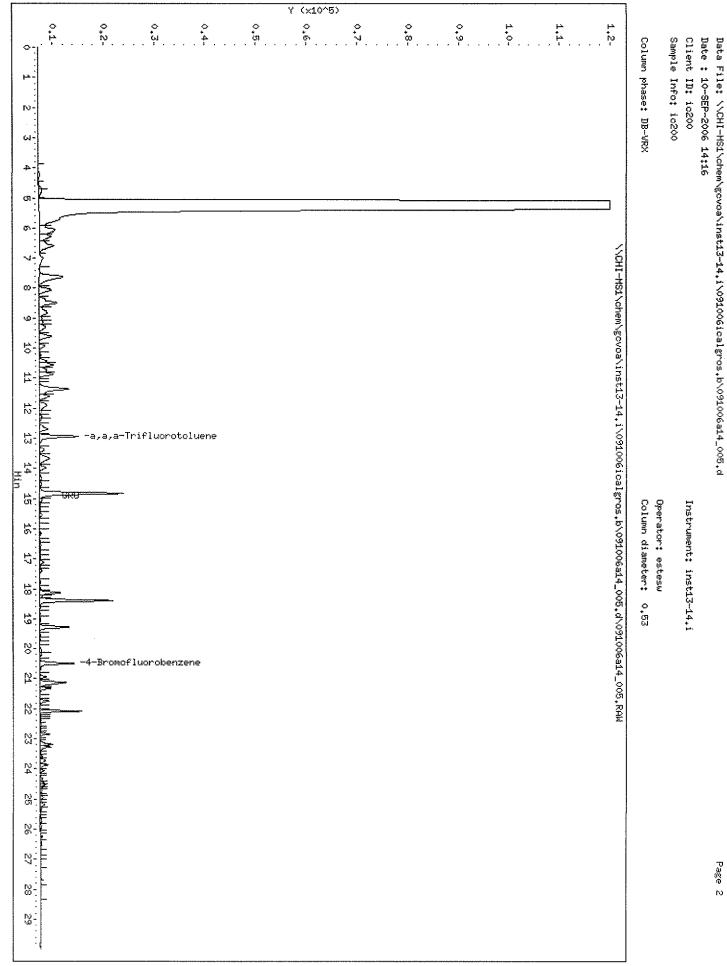
* * * * C T T * * FT C	٧.
AMOUNTS	>

Con	pounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL ( ug/L)
===		====					
\$	2 a,a,a-Trifluorotoluene	12.942	12.940	0.002	3993	5.00000	4.949(a)
S	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)



## QC Flag Legend

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



Data File: 091006a14\_005.d Report Date: 13-Sep-2006 04:58

## 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

Dil Factor: 1.00000 Integrator: HP Genie

Target Version: 4.14
Processing Host: CHI-BOXFISH

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

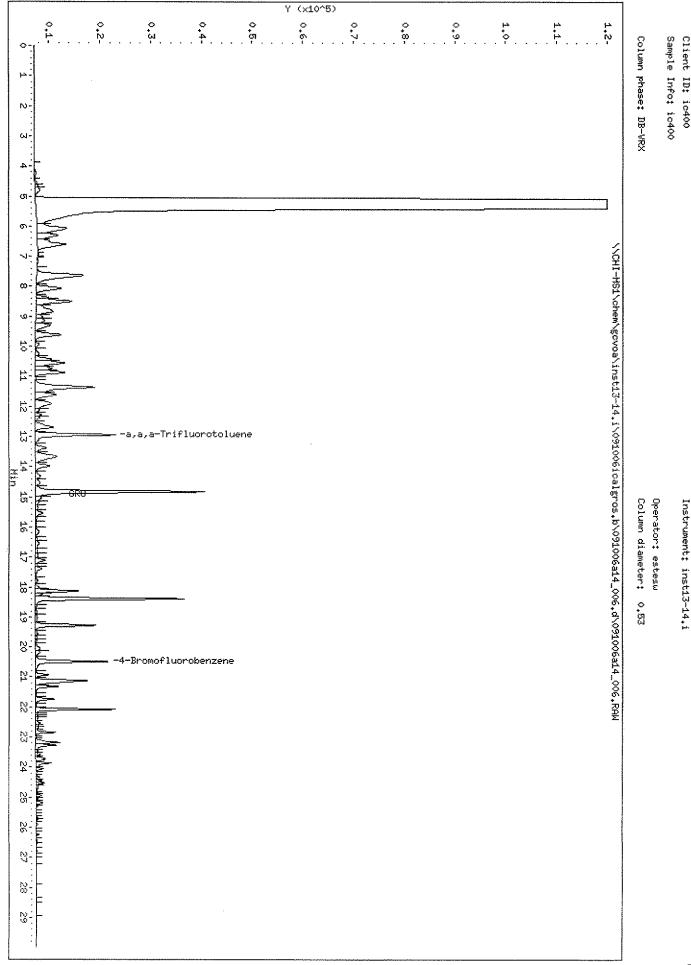
Name	Value	Description	
DF	1.000	Dilution Factor	
U£	5.000	Correction factor	
Ws	5.000	Weigth of sample extracted	(g)
M	0.00000	% Moisture	
Cpnd Variable		Local Compound Variable	

						CAL-AMT	ON-COL
Com	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
m m m	眼 眼 跳 房 原 原 医 医 医 医 医 医 医 医 医 医 医 医 医 医 医 医 医	====				****	
\$	2 a,a,a-Trifluorotoluene	12.940	12.940	0.000	7951	10.0000	9.854
S	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)

Compound Sublist: GRO.sub

AMOUNTS



100 11

Date : 10-SEP-2006 14:51

Data File: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_006.d

Data File: 091006a14\_006.d Report Date: 13-Sep-2006 04:58

## 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

Target Version: 4.14
Processing Host: CHI-BOXFISH

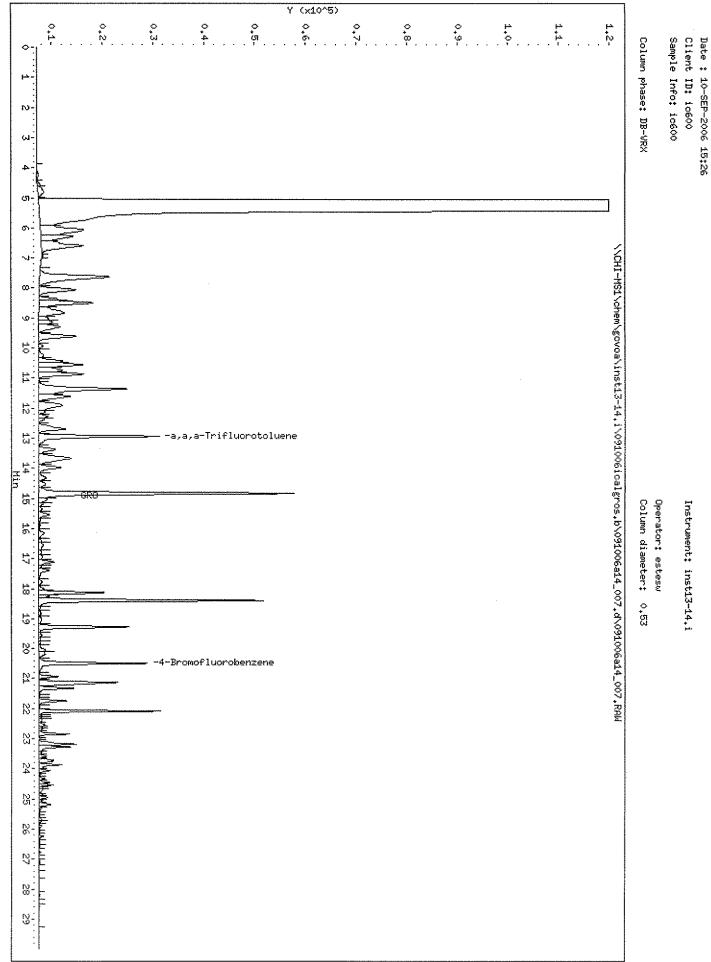
Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

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

						AMOUN	TS
						CAL-AMT	ON-COL
Cor	mpounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
₩ == 1	*************	====	======				
\$	2 a,a,a-Trifluorotoluene	12.941	12.940	0.001	15964	20.0000	19.784
S	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)

Compound Sublist: GRO.sub



Data File: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006icalgros.b\091006a14\_007.d

Report Date: 13-Sep-2006 04:58

## 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

Inst ID: inst13-14.i

Operator : estesw 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

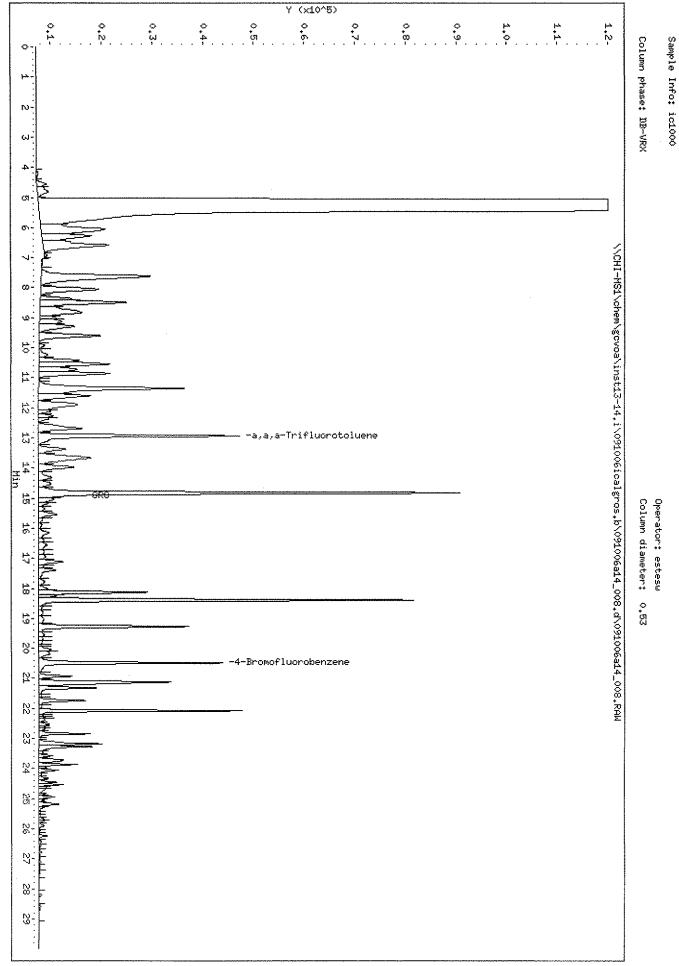
Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

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

AMOUN	TC
AMOUN	1.5

Con	pounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL ( ug/L)
100 EX =					200 Str 700 CO Str 500 Str 501	EUC D'A DRE SM ED SIG DO	
\$	2 a,a,a-Trifluorotoluene	12.938	12.940	-0.002	24038	30.0000	29.791
s	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





y age

Instrument: inst13-14.i

Date : 10-SEP-2006 16:01 Client ID: ic1000

Data File: \\CHI-MS1\chem\govoa\inst13-14.i\091006icalgros.b\091006a14\_008.d

Data File: 091006a14\_008.d Report Date: 13-Sep-2006 04:58

## 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

Operator : estesw 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

Dil Factor: 1.00000
Integrator: HP Genie

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	
		man were stand under made and the total stand and the total stand and total stand and total stand and total and	
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	

Α	MO	ŲN	$_{ m TS}$

Con	mpounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
22 W 2				******	NU	****	
\$	2 a,a,a-Trifluorotoluene	12.934	12.940	-0.006	39849	50.0000	49.386
S	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 : Disabled Origin Target Version : 4.14 : HP Genie Integrator

Method file : \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m : 13-Sep-2006 05:14 inst13-14.i

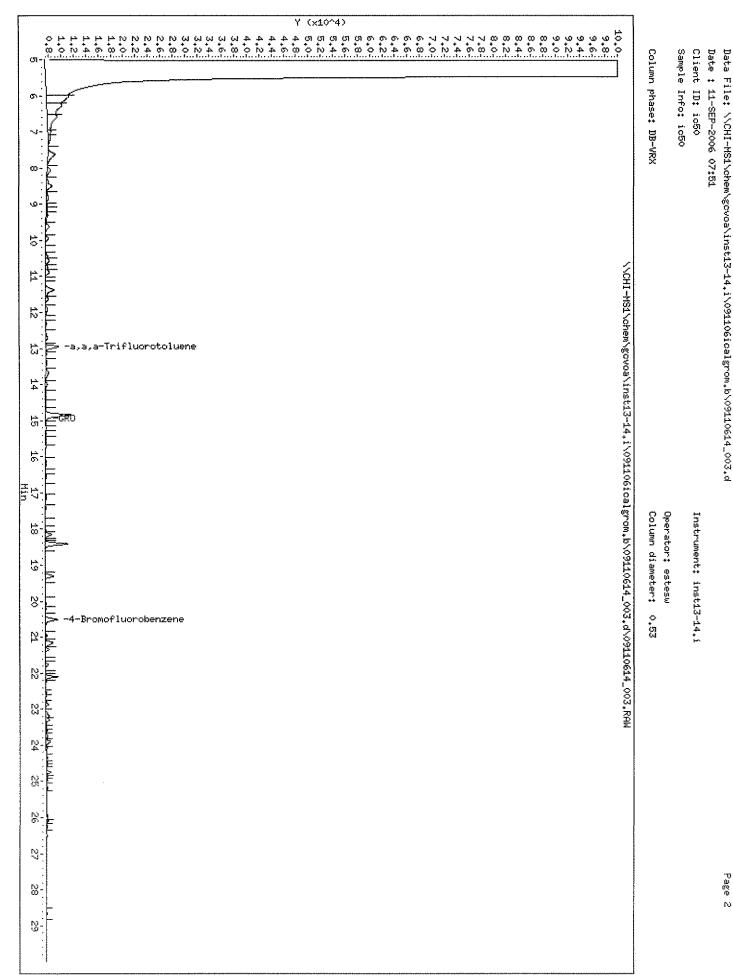
Last Edit

Curve Type : Average

## Calibration File Names:

	~- ~ ~	
		\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614 003.d
		\\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\004.d
Leve	l 3:	\\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\005.d
Leve	1 4:	\\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\006.d
Leve	15:	\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614 007.d
Leve	l 6:	\\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\(^{008.d}\)

		5.000	10.000	20.000	40.000	60.000	100.000		
}	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
==					=======		========		ED. SEN CHE ESE NOS LOS THE USC ETE TOA
NAME OF TAXABLE PARTY.	1 2-methylpentane	+++++	++++	++++	+++++	++++	++++	++++	+++++ [<-
s	5 GRO	7300	7193	7197	7170	7137	6836	7139	2.215
1	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: 09110614 003.d Report Date: 13-Sep-2006 05:03

## STL Chicago

Data file: \CHI-MS1\chem\qcvoa\inst13-14.i\091106icalqrom.b\09110614 003.d

Lab Smp Id: ic50 Client Smp ID: ic50

Inj Date : 11-SEP-2006 07:51

Inst ID: inst13-14.i Operator

: estesw : ic50 Smp Info Misc Info : ic50

Comment

: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m Method

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

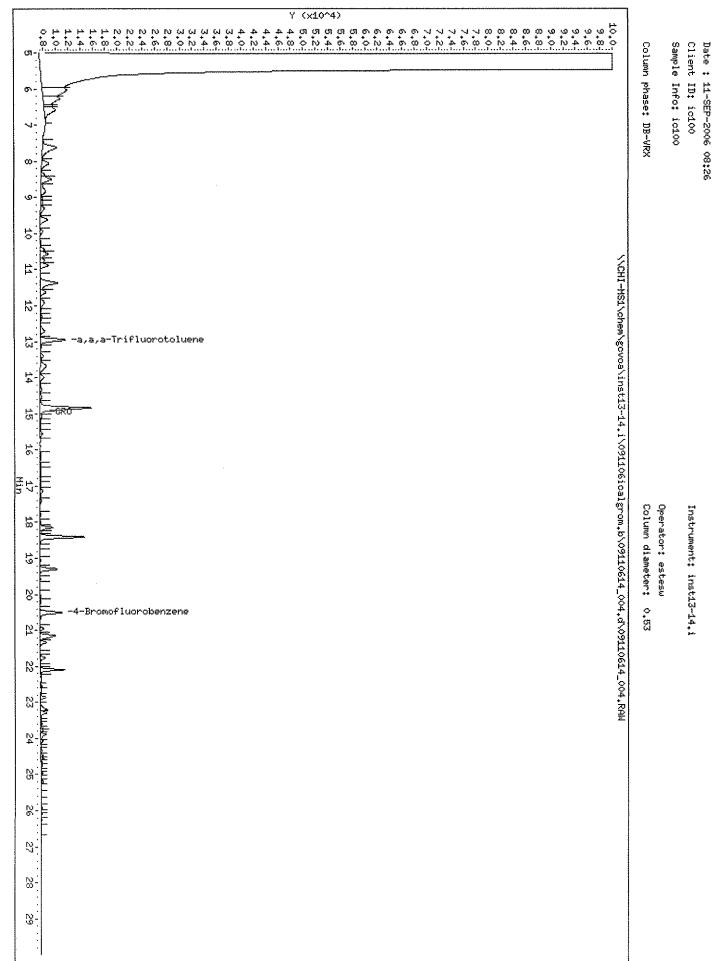
Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

Name	Value	Description
DF Uf Ws M	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted (g) % Moisture
Cpnd Variable	0.0000	Local Compound Variable

			AMOUNTS					
						CAL-AMT	ON-COL	
Co	mpounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)	
==		100 to 100 to 100	*****	****				
\$	3 a,a,a-Trifluorotoluene	12.953	12.948	0.005	2162	2.50000	2.633(a)	
S	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)	

#### QC Flag Legend

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



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Page 2

Data File: \\CHI-MS1\chem\govoa\inst13-14,i\091106icalgrom.b\09110614\_004.d

Data File: 09110614\_004.d

Report Date: 13-Sep-2006 05:03

# 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

Operator : estesw 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

Integrator: HP Genie Compound Sublist: GRO.sub

Target Version: 4.14

Processing Host: CHI-BOXFISH

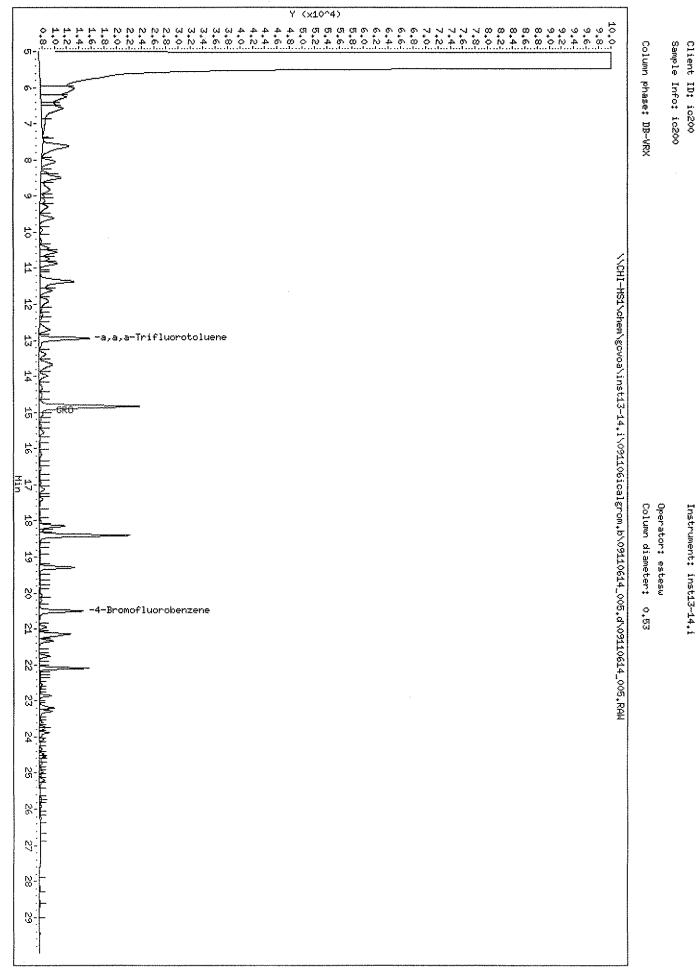
Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

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

					AMOUN	TS
					CAL-AMT	ON-COL
Co	pounds	RT E	XP RT DLT R	RESPONSE	( ug/L)	( ug/L)
==	********	****				NOTE 1984, 2001, 2004, 3400, 0000, 0000
\$	3 a,a,a-Trifluorotoluene	12.951 12	2.948 0.003	4152	5.00000	5.056
S	5 GRO	7.569-22	.338	719256	100.000	1.00.75 <b>(b) (6)</b>
\$	9 4-Bromofluorobenzene	20.505 20	0.502 0.003	3657	5.00000	4.971(a)

## QC Flag Legend

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



1

Date : 11-SEP-2006 09:01

Data File: \\CHI-MS1\chem\govoa\inst13-14.i\091106icalgrom.b\09110614\_005.d

Report Date: 13-Sep-2006 05:03

# 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

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

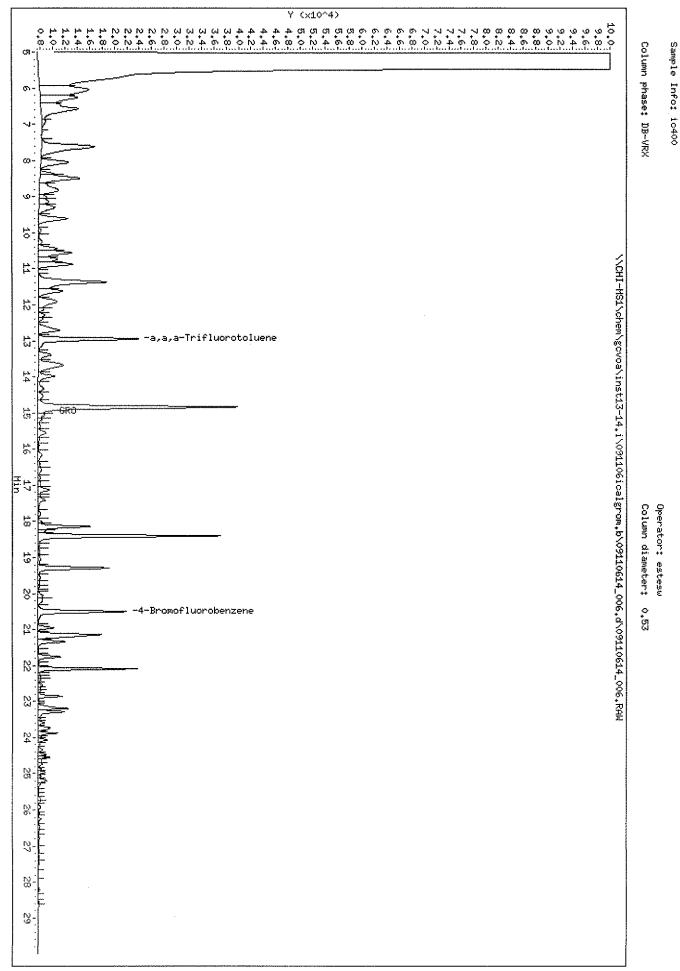
Processing Host: CHI-BOXFISH

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

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

AMOUNTS

						CAL-AMT	ON-COL
Con	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
SE 20 20		****	*****		**==***		
\$	3 a,a,a-Trifluorotoluene	12.948	12.948	0.000	8118	10.0000	9.885
S	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



Page 2

Instrument; inst13-14,i

Client ID; ic400

Date : 11-SEP-2006 09:36

Data File: \\CHI~MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\09110614\_006.d

Data File: 09110614\_006.d

Report Date: 13-Sep-2006 05:03

# 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

Operator : estesw 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

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: GRO.sub

Target Version: 4.14

Processing Host: CHI-BOXFISH

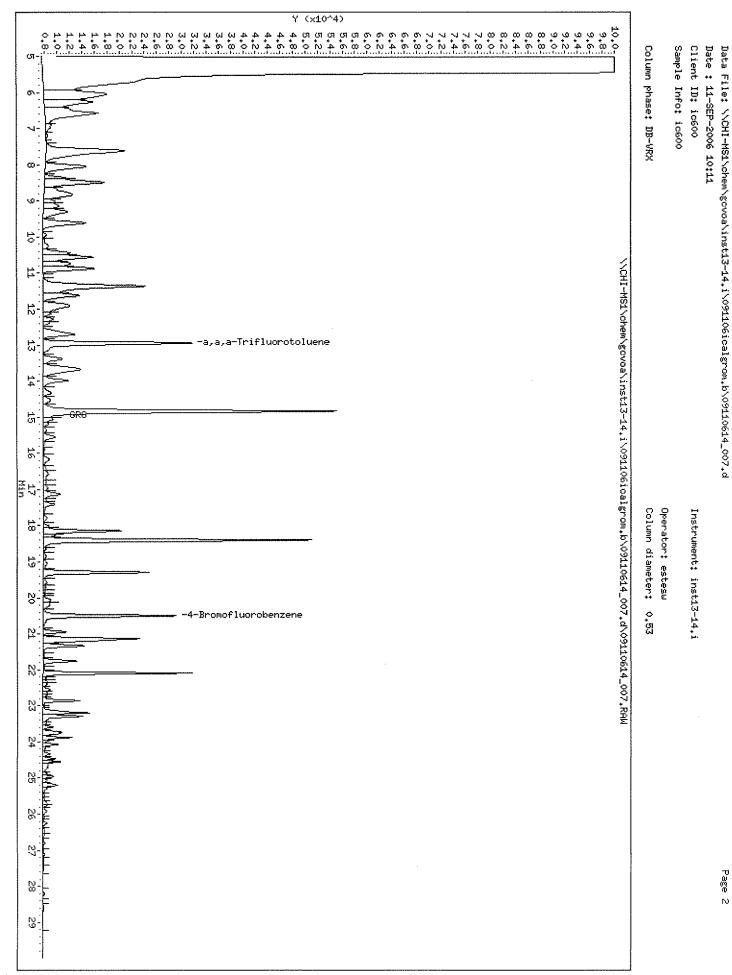
Concentration Formula: Amt \* DF \* Uf \* 1/(Ws \* (100 - M)/100) \* CpndVariable

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

AMOUNTS	,
APICUNIC	,

					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
NOT THE THE THE THE THE THE THE THE THE TH	m=m=					
\$ 3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	16388	20.0000	19.955
S 5 GRO	7.569	-22.338		2868091	400.000	401.76
\$ 94-Bromofluorobenzene	20.500	20.502	-0.002	14483	20.0000	19.687





Data File: 09110614 007.d

Report Date: 13-Sep-2006 05:03

# 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

: ic600 Smp Info Misc Info : ic600

Comment

: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106icalgrom.b\gro14m.m Method

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

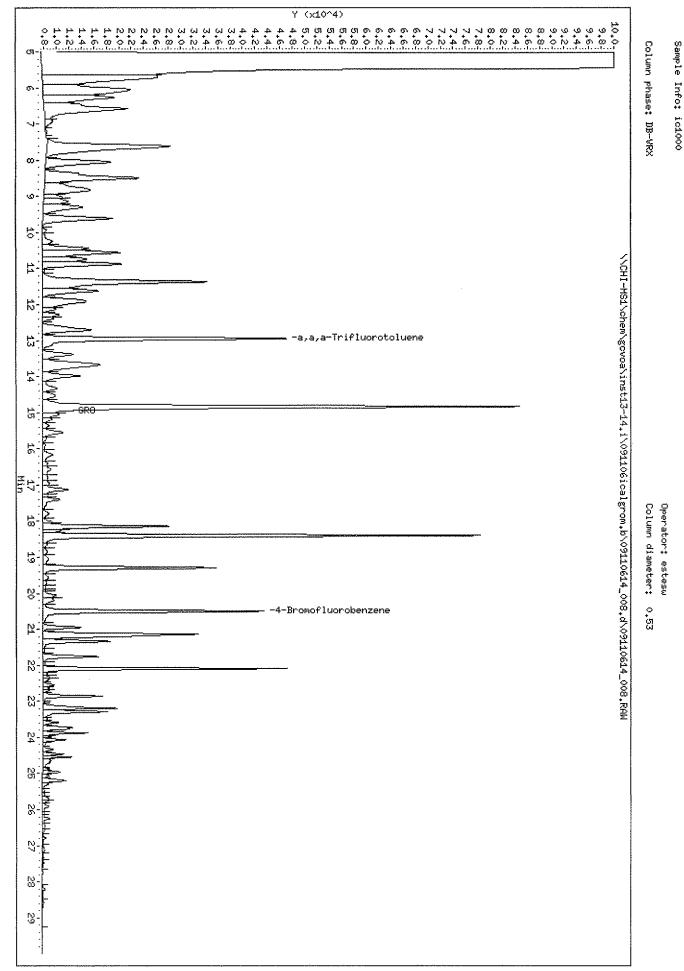
Processing Host: CHI-BOXFISH

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

Name	Value	Description	
	··· ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	مين فين يمن فين يمن يمن يمن فين يمن يمن بين بين بين بين بين بين بين بين بين بي	
DF	1.000	Dilution Factor	
U£	5.000	Correction factor	
Ws	5.000	Weigth of sample extracted	(g)
M	0.00000	% Moisture	_
Cpnd Variable		Local Compound Variable	

AMOUNTS	
MINOUNTO	

						CAL-AMT	ON-COL
Con	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
== == ==	and and also have have not also have have have have have also have also have also have also have				******	*****	
\$	3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	24198	30.0000	29.466
S	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



Instrument: inst13-14.i

Date : 11-SEP-2006 10:45 Client ID: ic1000

Data File: \\CHI-HS1\chem\govoa\inst13-14.i\091106icalgrom.b\09110614\_008.d

Data File: 09110614\_008.d Page 1

Report Date: 13-Sep-2006 05:03

# 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 Uf		Dilution Factor Correction factor	
Ws	5.000	Weigth of sample extracted	(g)
M	0.00000	% Moisture	
Cpnd Variable		Local Compound Variable	

AMO	TIC	NTS

						CAL-AMT	ON-COL
Comp	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
=====	*****	====			***	=======	
\$	3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	39719	50.0000	48.365
S	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



Report Date:  $13-Sep-\overline{2}006$  05:22

# STL Chicago

## CONTINUING CALIBRATION COMPOUNDS

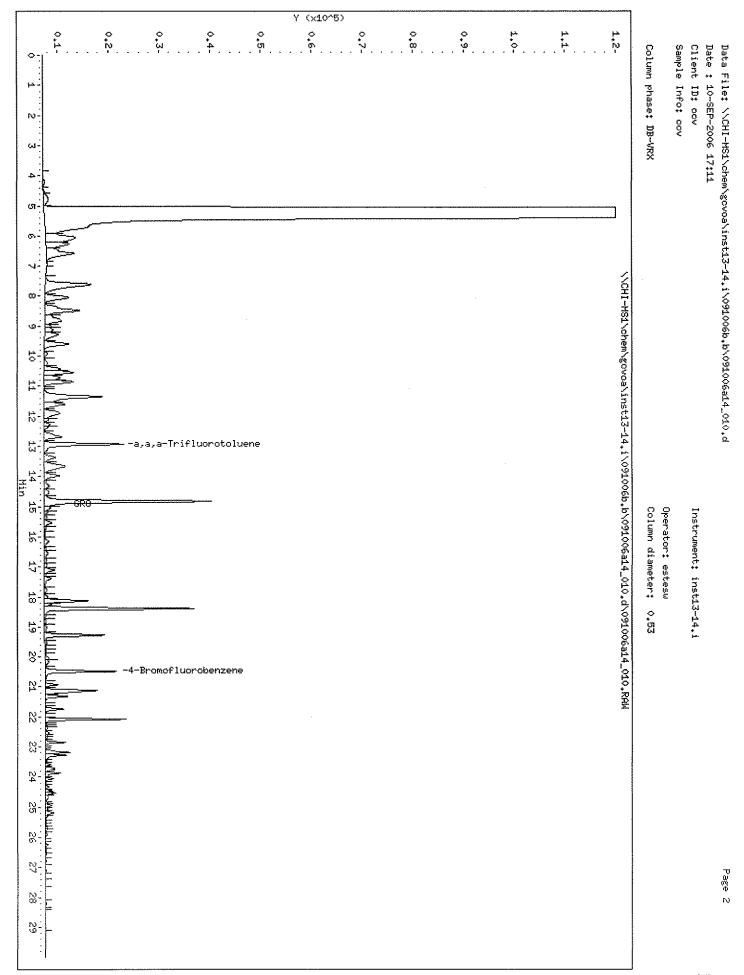
16:01

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
Lab Sample ID: ccv Quant Type: ESTD
Method: \CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m

					MIN			XAM	
	COMPOUND	RRF /	AMOUNT	RF20	RRF	%D /	%DRIFT	%D / %DRIFT	CURVE TYPE
:	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	***			====	====			
:	2 a,a,a-Trifluorotoluene		807	787	(0.010	-	2.52712	15.00000	Averaged
7	3 GRO		7556	7437	0.010	-	1.56890	15.00000	Averaged
1	4 4-Bromofluorobenzene		721	709	0.010	-	1.68718	15.00000	Averaged
1						}			l



Data File: 091006a14\_010.d Report Date: 13-Sep-2006 05:22

# 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 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	

AMOUNT	0
AMOUNT	5

Con	npounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL ( ug/L)
====		w = = =		======		=======	*****
\$	2 a,a,a-Trifluorotoluene	12.932	12.940	-0.008	15730	20.0000	19.494
s	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



Report Date:  $13-Sep-\overline{2}006$  05:22

# STL Chicago

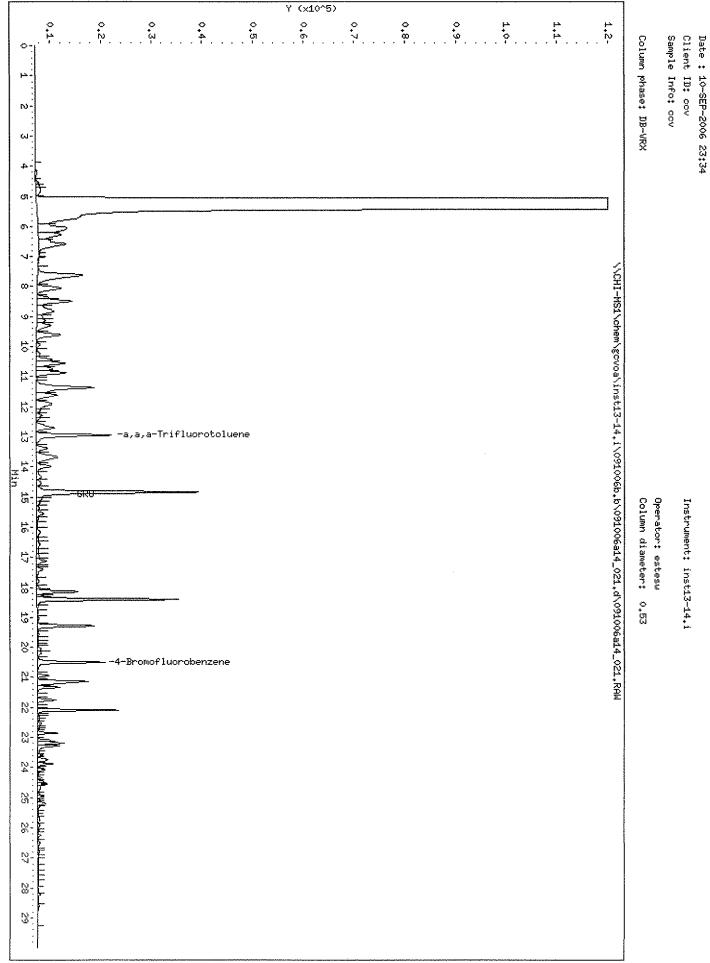
## CONTINUING CALIBRATION COMPOUNDS

16:01

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
Lab Sample ID: ccv Quant Type: ESTD
Method: \CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\gro14s.m

		1			MIN	1			MAX	
+	COMPOUND	RRF	/ AMOUNT	RF20	RRF	유	D / %DRIFT	%D /	*DRIFT	CURVE TYPE
=	·	====				=		====		=======================================
\$	2 a,a,a-Trifluorotoluene		807	742	0.010		-8.00494	1	5.00000	Averaged
18	3 GRO		7556	7223	0.010	)	-4.40639	1	5.00000	Averaged
1	4 4-Bromofluorobenzene		721	673	0.010		-6.67426	1	5.00000	Averaged
_									, ., ,. ,	



Data File: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14\_021.d

Report Date:  $13-Sep-\overline{2}006$  05:22

# 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

Operator : estesw 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 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
Uf 5.0 Ws 5.0	00 Dilution Factor 00 Correction factor 00 Weigth of sample extracted (g) 00 % Moisture Local Compound Variable

AMOUNTS

Cor	pounds	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
S	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

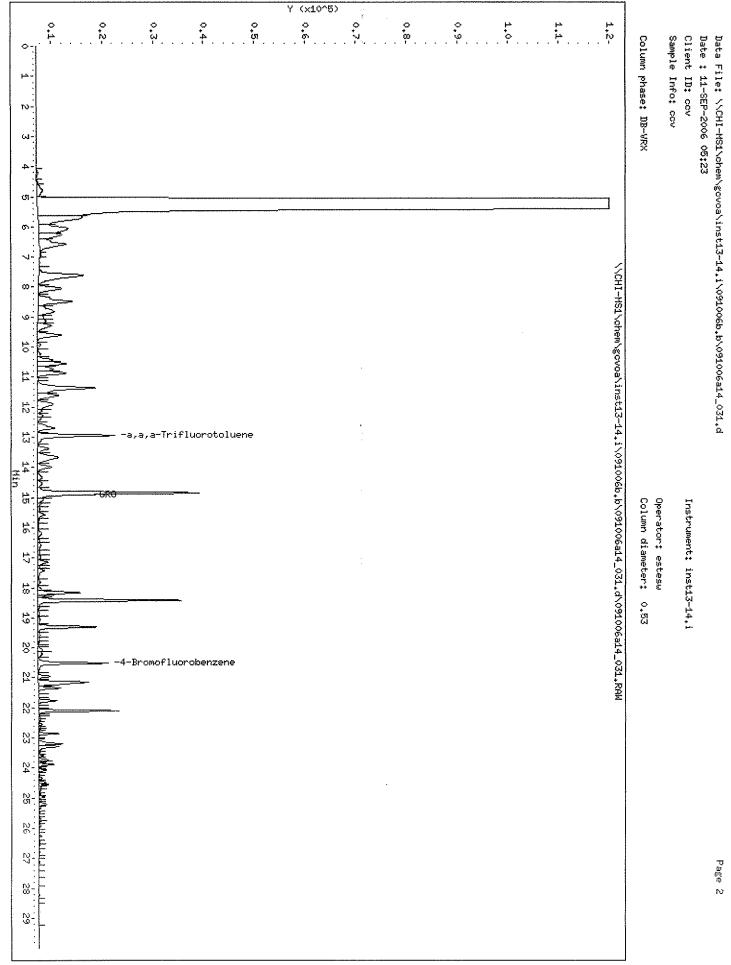


Report Date:  $13-Sep-\overline{2}006$  05:22

## STL Chicago

#### CONTINUING CALIBRATION COMPOUNDS

		1	ļ	· · · · · · · · · · · · · · · · · · ·	MIN	······································	MAX	
(	COMPOUND	RRF	/ AMOUNT	RF20	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
**	*************			********				
\$	2 a,a,a-Trifluorotoluene	1	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
		_			t1			



Data File: 091006a14\_031.d Report Date: 13-Sep-2006 05:22

# 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 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 Uf	5.000	Dilution Factor Correction factor	, ,
Ws M		Weigth of sample extracted % Moisture	(g)
Cpnd Variable		Local Compound Variable	

AMOUNTS	

						CAL-AMT	ON-COL
Co	ompounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
====	**********	W W W W					= = = = = = =
\$	2 a,a,a-Trifluorotoluene	12.941	12.940	0.001	15174	20.0000	18.806
S	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

Data File: 09110614 010.d Report Date: 13-Sep-2006 05:14

## STL Chicago

#### CONTINUING CALIBRATION COMPOUNDS

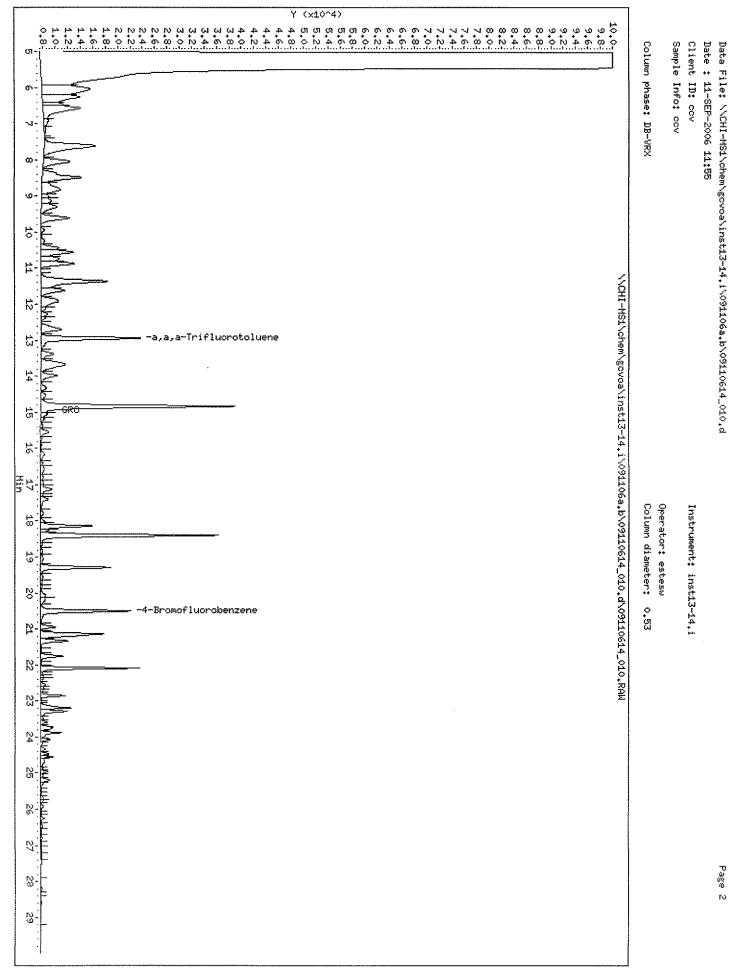
Instrument ID: inst13-14.i Injection Date: 11-SEP-2006 11:55

Lab File ID: 09110614\_010.d Init. Cal. Date(s): 11-SEP-2006 11-SEP-2006 10:45

Analysis Type: SOIL Init. Cal. Times: 07:51

Quant Type: ESTD Lab Sample ID: ccv Method: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m

					MIN [		MAX	
(	COMPOUND	RRF	/ AMOUNT	RF40	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
					=====			
\$	3 a,a,a-Trifluorotoluene	1	82Ì	809	0.010	-1.45270	15.00000	Averaged
s	5 GRO	1	7139	6978	0.010	-2.25186	15.00000	Averaged
\$	9 4-Bromofluorobenzene		736	732	0.010	-0.48399	15.00000	Averaged
1					l		li	



Report Date: 13-Sep-2006 05:14

# 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

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

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	
$\operatorname{DF}$	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	

AMO	JNTS
TO TO	71# T O

Con	npounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL ( ug/L)
m m 2		20 W C 42		m == m == == m == ==	m = m = w = = =	222 222 222 222 222 222 222	
\$	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

10:45

Data File: 09110614\_021.d

Report Date: 13-Sep-2006 05:14

# STL Chicago

#### CONTINUING CALIBRATION COMPOUNDS

Instrument ID: inst13-14.i Injection Date: 11-SEP-2006 18:18

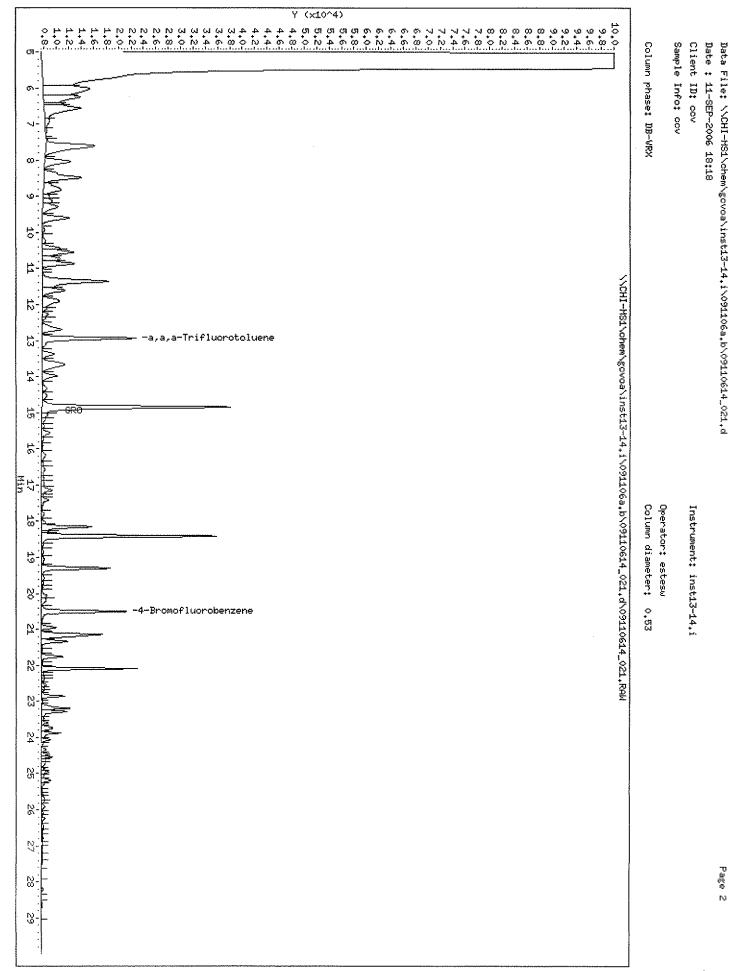
Lab File ID: 09110614\_021.d Init. Cal. Date(s): 11-SEP-2006 11-SEP-2006

Analysis Type: SOIL Init. Cal. Times: 07:51

Lab Sample ID: ccv Quant Type: ESTD

Method: \CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m

1					MIN		XAM	
	COMPOUND	RRF	/ TRUUOMA \	RF40	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
====				*********	=====			=======
\$	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	1	736	695	0.010	-5.54067	15.00000	Averaged
1								



Data File: 09110614\_021.d Report Date: 13-Sep-2006 05:14

# 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

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

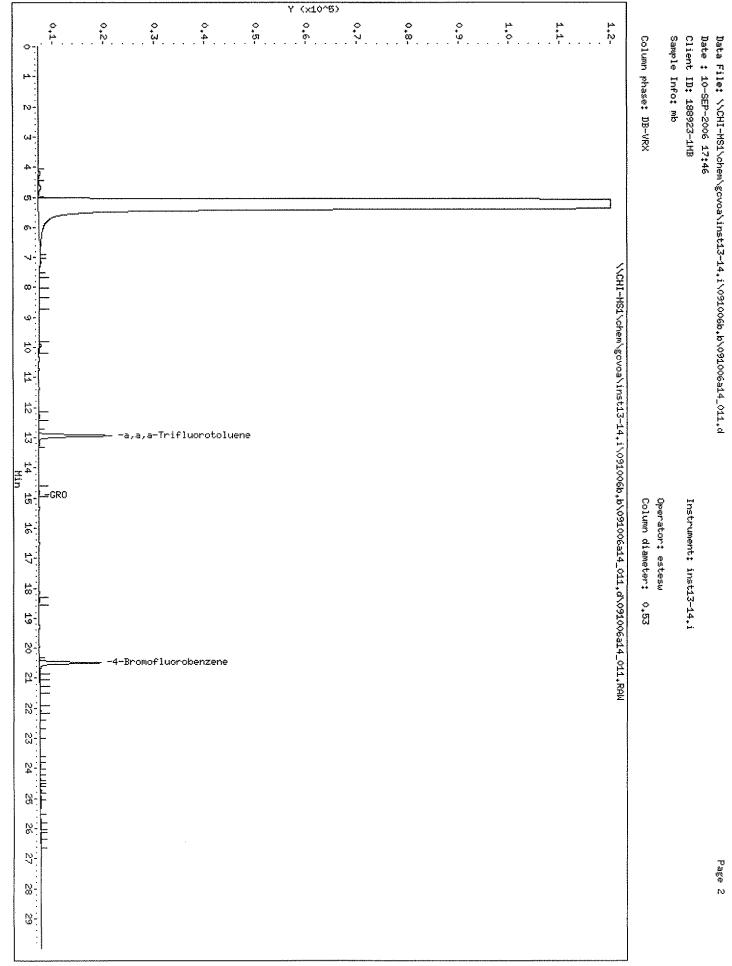
Name	Value	Description	
array abide word from their while while their paths thank their beauty being abide			
DF	1.000	Dilution Factor	
U£	5.000	Correction factor	
Ws	5.000	Weigth of sample extracted	(g)
M	0.00000	% Moisture	
Cpnd Variable		Local Compound Variable	

AMOUNT	TC!
AMOUN'I	'5

						CAL-AMT	ON-COL
Con	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)
			*===	= = = = = = = = = = = = = = = = = = =			
\$	3 a,a,a-Trifluorotoluene	12.936	12.948	-0.012	15291	20.0000	18.620
S	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

# QUALITY CONTROL DATA

	Job Number.: 248531	QUAI	LITY C	ONTROLI	RESULTS	Report Date.: 09/1	13/2006
CUSTOMER: SC	S Engineers, Inc.		PROJECT:	GSA - SLOP		ATTN:	
QC Type	Description	on		Reag. Code	Lab ID	Dilution Factor	Date Time
	: 8015B MGRO iption.: TPH - Gasoline F	Range Organ	ics (GRO)		ode: INST1314 : 188924	4 Analys	st: wre
мв	Method Blank				188923-001		09/10/2006 1746
Parame	eter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value QC Cal	lc. * Limits
asoline Range	e Organics (GRO), Solid	ug/Kg	5,400	Ü			



Report Date:  $13-Sep-\overline{2}006$  05:22

# STL Chicago

Data file: \\CHI-MS1\chem\gcvoa\inst13-14.i\091006b.b\091006a14 011.d

Lab Smp Id: 188923-1MB Client Smp ID:  $188923-1\overline{M}B$ 

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

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

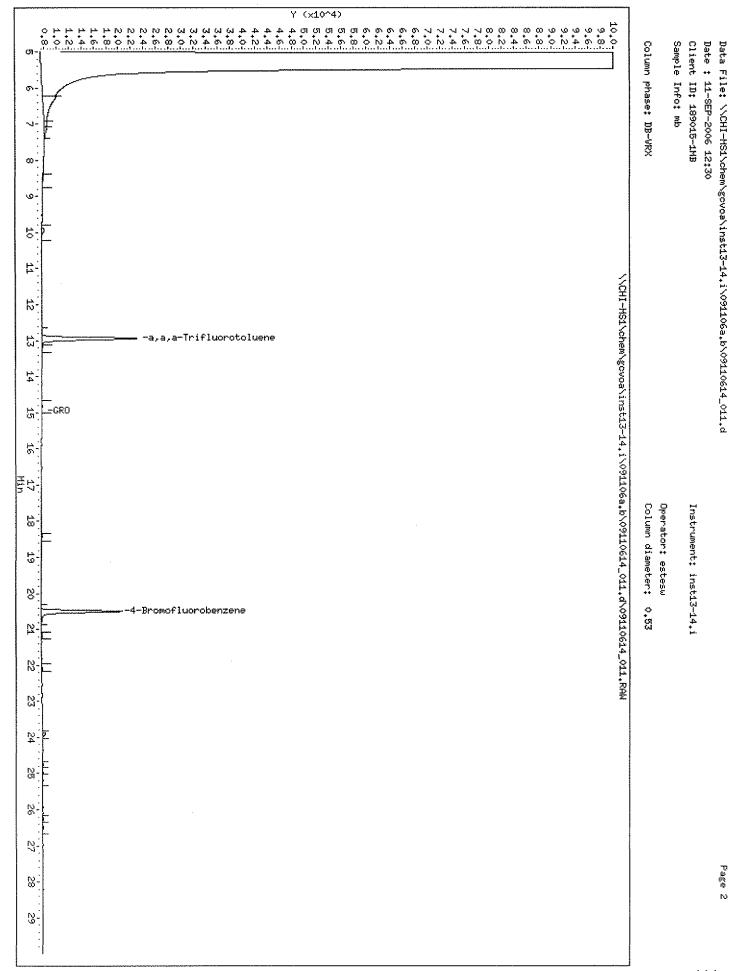
Name	Value	Description	
DF Uf		Dilution Factor Correction factor	
Ws		Weigth of sample extracted	(g)
M Cpnd Variable	0.00000	<pre>% Moisture Local Compound Variable</pre>	

						CONCENTRA	RIONS
						ON-COLUMN	FINAL
Cor	mpounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)
==;				=======		======	
\$	2 a,a,a-Trifluorotoluene	12.936	12.940	-0.004	14601	18.0954	18.095
S	3 GRO	Cor	npound Not	: Detecte	đ.		
\$	4 4-Bromofluorobenzene	20.485	20.488	-0.003	12245	16.9866	16.987

ľ	ob Number.: 248531	QUALITY	CONTROL	RESULTS	Report Date.: 09/1	3/2006
CUSTOMER: SCS	Engineers, Inc.	PROJECT	: GSA - SLOP		ATTN:	
QC Type	Description	on I	Reag. Code	Lab ID	Dilution Factor	Date Time
	: 8015B MGRO otion:: TPH - Gasoline F	Range Organics (GRO)	, ,	Code: INST1314 : 189016	Analys	t: wre
MB M	Jethod Blank			189015-001		09/11/2006 1230
Paramet	er/Test Description	Units QC Resu	lt QC Resul	t True Value	Orig. Value QC Cal	.c. * Limits

220.000 U

Gasoline Range Organics (GRO), High/Me ug/Kg



Report Date: 13-Sep-2006 05:14

# 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-\overline{IMB}

Inj Date : 11-SEP-2006 12:30

Operator : estesw Inst ID: inst13-14.i

Operator : estesw 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

Als bottle: 1 QC Sample: BLANK

Dil Factor: 1.00000 Integrator: HP Genie Compound Sublist: GRO.sub

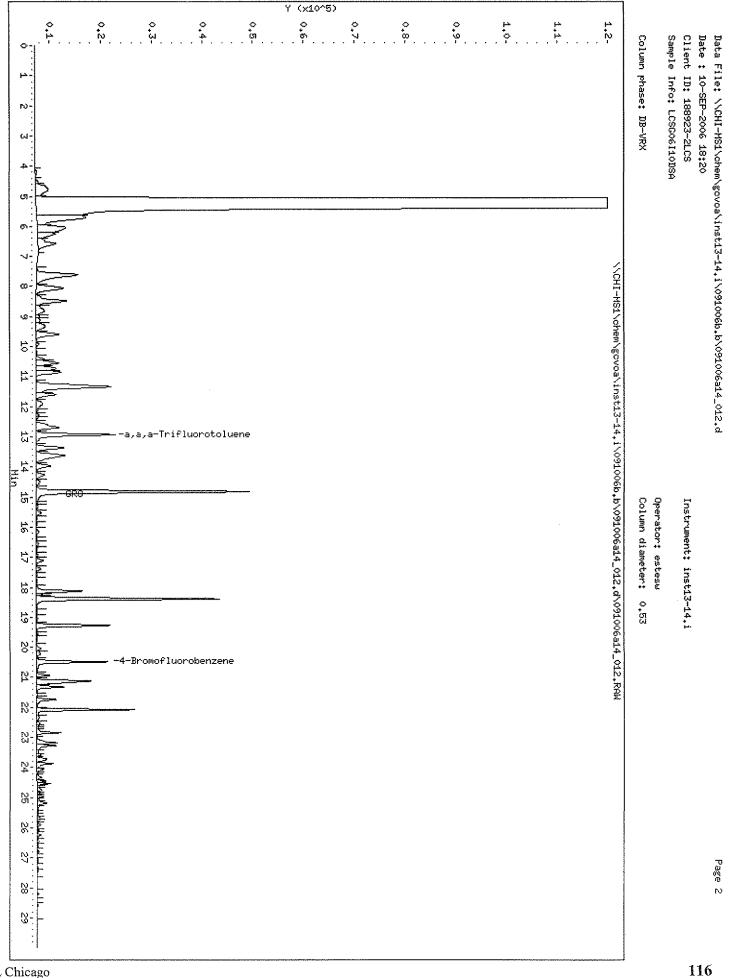
Target Version: 4.14

Processing Host: CHI-BOXFISH

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

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

					CONCENTRATIONS		
						ON-COLUMN	FINAL
Con	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)
===		NO 102 107 107				=======	***
\$	3 a,a,a-Trifluorotoluene	12.945	12.948	-0.003	15568	18.9569	18.957
S	5 GRO	Co	mpound No	t Detecte	đ.		
\$	9 4-Bromofluorobenzene	20.499	20.502	-0.003	13211	17.9580	17.958



Report Date:  $13-Sep-\overline{2006}$  05:22

# 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 Smp Info : LCSG06I10DSA Inst ID: inst13-14.i

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

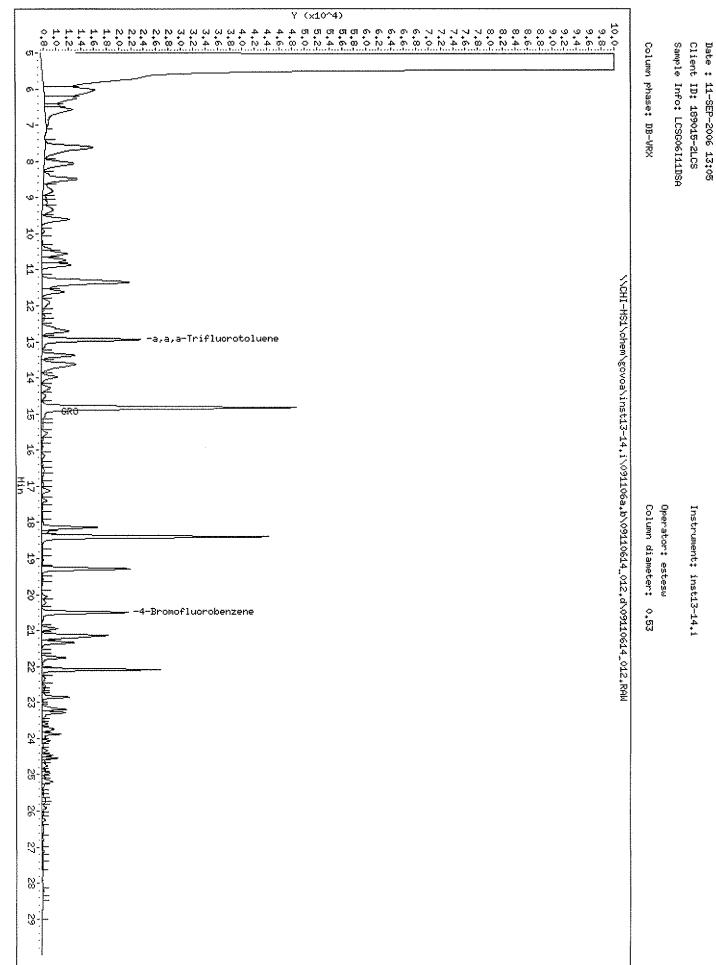
Processing Host: CHI-BOXFISH

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

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

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Con	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)
		====		========			=======
\$	2 a,a,a-Trifluorotoluene	12.933	12.940	-0.007	15527	19.2430	19.243
C	3 CPO	7 504	.22 318		3009164	200 256	200 26

7.504-22.318 398.26 3009164 398.255 20.486 20.488 -0.002 4 4-Bromofluorobenzene 13988 19.4045 19.404



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Page 2

Data File: \\CHI-MS1\chem\govoa\inst13-14,i\091106a,b\09110614\_012,d

Data File: 09110614 012.d

Report Date: 13-Sep-2006 05:50

# 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

Inst ID: inst13-14.i Operator : estesw

Smp Info : LCSG06I11DSA Misc Info : lcs

Comment

: \\CHI-MS1\chem\gcvoa\inst13-14.i\091106a.b\gro14m.m Method

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

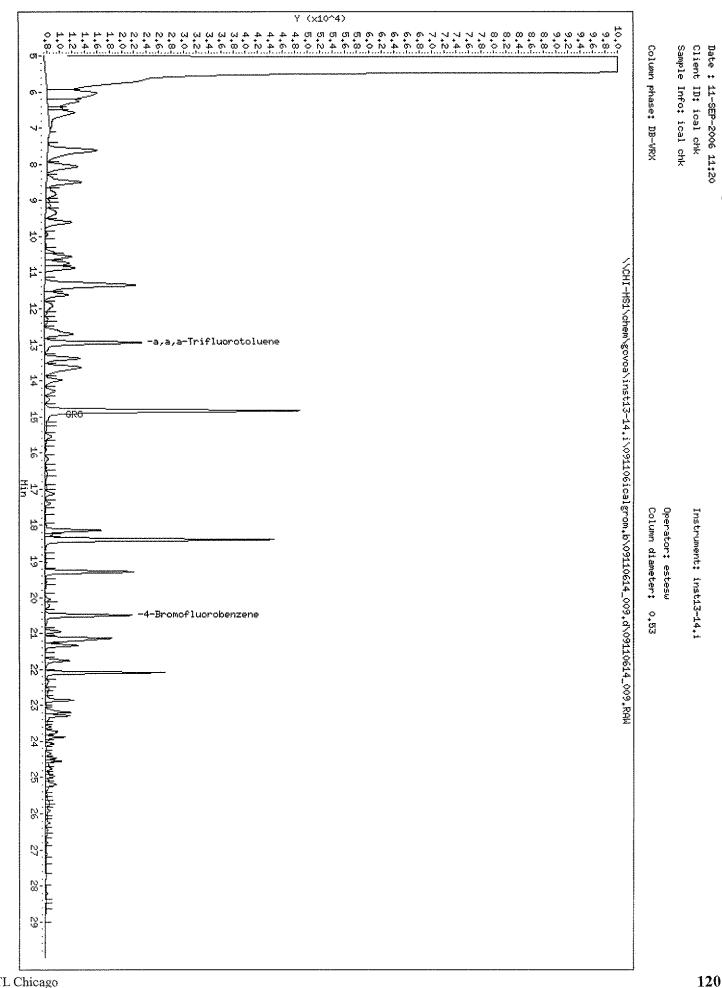
Processing Host: CHI-BOXFISH

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

Name	Value	Description	
water areas areas water their trade areas order to the sales and the sales areas.			
DF	50.000	Dilution Factor	
Uf	5.000	Correction factor	
Ws		Weigth of sample extracted	(g)
M	0.00000	% Moisture	
Cpnd Variable		Local Compound Variable	

					CONCENTRAT			
					ON-COLUMN	FINA		
Compounds	RT	EXP RT	DLT RT	RESPONSE	( ua/L)	(ug/E		

CO	npounds	KI	DVL KI	DUI KI	KIND LOMON	( ug/13)	(red) red)
		====	======	=======================================	=======	=======	======
\$	3 a,a,a-Trifluorotoluene	12.943	12.948	-0.005	15999	19.4818	19.482
S	5 GRO	7.569	-22.338		2882930	403.838	20192
\$	9 4-Bromofluorobenzene	20.497	20.502	-0.005	14162	19.2507	19.251



Page 2

Bata File: \\CHI-MS1\chem\govoa\inst13-14.i\091106icalgrom.b\09110614\_009.d

Data File: 09110614\_009.d Report Date: 13-Sep-2006 05:04

### 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

Als bottle: 1 QC Sample: LCS

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: GRO.sub

Target Version: 4.14

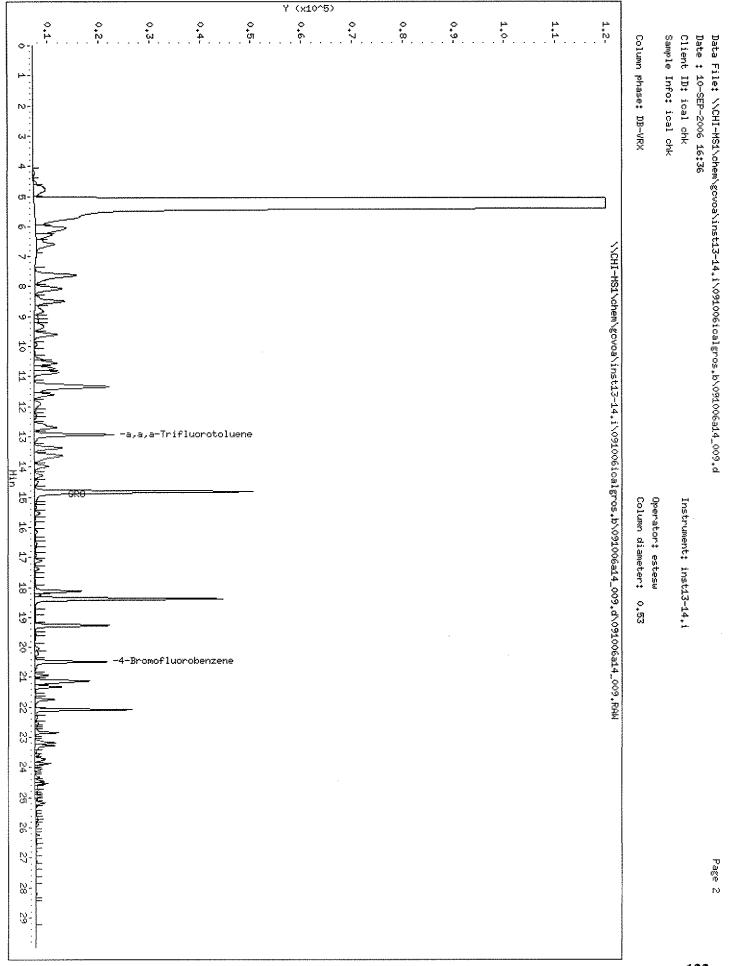
Processing Host: CHI-BOXFISH

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

Name	Value	Description
		THE THE THE THE THE THE THE THE THE THE
$\operatorname{DF}$		Dilution Factor
Uf	5.000	Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONC	ENTR	AT	T	ONS

						ON-COLUMN	FINAL	
Co	mpounds	RT I	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)	
===							100 ACO COE ACO GOS BOY BOY	
\$	3 a,a,a-Trifluorotoluene	12.946	12.948	-0.002	15730	19.1542	19.154	۵
S	5 GRO	7.569-22	2.338		2962051	414.921	414.92 (b) (6)	Í
\$	9 4-Bromofluorobenzene	20.500	20.502	-0.002	14122	19.1964	<sup>414.92</sup> (b) (6)	



Data File: 091006a14\_009.d Report Date: 13-Sep-2006 04:58

### 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

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 Uf Ws M Cpnd Variable	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted % Moisture Local Compound Variable	(g)
chiid variabie		nocar comboning variable	

					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)
	m = m =		=======		*****	
\$ 2 a,a,a-Trifluorotoluene	12,936	12.940	-0.004	15834	19.6235	19.623

\$ 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



CONCENTRATIONS

Data File: 091006a14\_001.d Report Date: 13-Sep-2006 04:58

### 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

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

Als bottle: 1

Dil Factor: 1.00000 Integrator: HP Genie

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

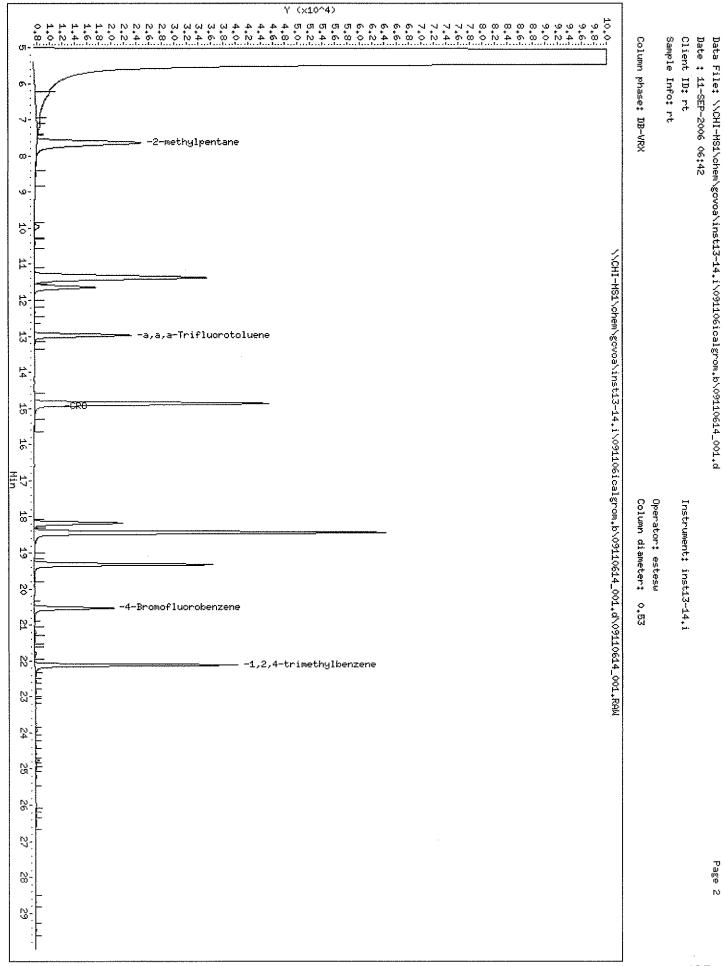
Name	Value	Description
DF	1 000	Dilution Factor
Uf		Correction factor
Ws	5.000	Weigth of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

						CONCENTRA	#LIONS	
						ON-COLUMN	FINAL	
Con	npounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(ug/Kg)	
201 XIV 10	N (1)		=-====	=======	=======			
	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)	



### QC Flag Legend

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



Report Date: 13-Sep-2006 05:03

### 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

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

Als bottle: 1

Dil Factor: 1.00000
Integrator: HP Genie

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 Uf Ws M Cpnd Variable	5.000 5.000	Dilution Factor Correction factor Weigth of sample extracted (g) % Moisture Local Compound Variable

						CONCENTRA	TIONS	
						ON-COLUMN	FINAL	
Com	pounds	RT	EXP RT	DLT RT	RESPONSE	( ug/L)	(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	(b) (6)
\$	9 4-Bromofluorobenzene	20.530	20.502	0.028	13180	17.9159	17.916	(3) (3)
	12 1,2,4-trimethylbenzene	22.119	22.118	0.001	247899			

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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	grol4m.m	091106a.b	+
09110614_011.d	11-SEP-2006 12:30	BLANK	1.00	inst13-14	gro14m.m	091106a.b	1
09110614_012.d	11-SEP-2006 13:05	LCS	1.00	inst13-14	gro14m.m	091106a.b	1
[09110614_013.d	11-SEP-2006 13:40	Unknown	2500.00	inst13-14	gro14m.m	091106a.b	j
09110614_014.d	11-SEP-2006 14:14	Unknown	50.00	inst13-14	grol4m.m	091106a.b	ļ
09110614_015.d	[11-SEP-2006 14:49	MS	50.00	inst13-14	grol4m.m	091106a.b	[
09110614_016.d	11-SEP-2006 15:24	MSD	50.00	inst13-14	grol4m.m	091106a.b	
09110614_017.d	11-SEP-2006 15:59	Unknown	100.00	inst13-14	grol4m.m	091106a.b	
09110614_018.d	11-SEP-2006 16:34	Unknown	100.00	inst13-14	grol4m.m	091106a.b	1
09110614_019.d	11-SEP-2006 17:09	Unknown	200.00	inst13-14	grol4m.m	091106a.b	1
09110614_020.d	11-SEP-2006 17:44	Unknown	50.00	inst13-14	grol4m.m	091106a.b	1
09110614_021.d	11-SEP-2006 18:18	Continuing Cal	1.00	inst13-14	grol4m.m	091106a.b	Ţ
+			.+	+	+		+

Data File	Matrix	Fraction	Lab Sample ID	Lab Prep Batch	Client Sample ID	Client Sample Group	-
09110614 010.d	SOLID	VOA	-+	122105icalgrom	+  ccv	122105icalgrom	-+
09110614_011.d	SOLID	VOA	189015-1MB	189015	189015-1MB	122105icalgrom	1
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	ĺ
09110614_015.d	SOLID	VOA	248580-8MS	189015	SS-9MS	248580	j
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	ļ
09110614_019.d	SOLID	VOA	248531-20	189015	SB1195-4	248531	1
09110614 020.d	SOLID	VOA	248531-22	189015	SB1225-2	248531	i
09110614_021.d	SOLID	VOA	ccv	122105icalgrom	ccv	122105icalgrom	1

Data File	Compound Sublist	Spike List File	Sample Ref #	QC Group Ref #	Init Cal Ref #	Batch Ref #
+				+ <del></del>	<b>.</b>	+
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.đ	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
+	<b>+</b>		+			

Page 1

STL Chicago 127

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

Data File	Injectio	on Date	Sample Type	Dil Factor Inst ID	Method	Method Batch
091006a14_010.d	10-SEP-2	2006 17:11	Continuing Cal	1.00 inst13-14	grol4s.m	091006b.b
091006a14_011.d	10-SEP-2	2006 17:46	BLANK	1.00 inst13-14	grol4s.m	091006b.b
091006a14_012.d	10-SEP-2	2006 18:20	LCS	1.00 inst13-14	grol4s.m	091006b.b
091006a14_013.d	10-SEP-2	2006 18:55	Unknown	1.00 inst13-14	grol4s.m	091006b.b
091006a14_014.d	10-SEP-2	2006 19:30	MS	1.00 inst13-14	gro14s.m	091006b.b
091006a14_015.d	10-SEP-2	2006 20:05	Unknown	1.00 inst13-14	grol4s.m	091006b.b
091006a14_016.d	10-SEP-2	2006 20:40	Unknown	1.00 inst13-14	gro14s.m	091006b.b
091006a14_017.d	10-SEP-2	2006 21:15	Unknown	1.00 inst13-14	grol4s.m	091006b.b
091006a14_018.d	10-SEP-2	2006 21:50	Unknown	1.00 inst13-14	gro14s.m	091006b.b
091006a14_019.d	10-SEP-2	2006 22:24	Unknown	1.00 inst13-14	grol4s.m	091006b.b
091006a14_020.d	10-SEP-2	2006 22:59	Unknown	1.00 instl3-14	grol4s.m	091006b.b
091006a14_021.d	10-SEP-2	2006 23:34	Continuing Cal	1.00 inst13-14	grol4s.m	091006b.b
091006a14 022.d	11-SEP-3	2006 00:09	Unknown	1.00[inst13-14	gro14s.m	091006b.b
091006a14_023.d	11-SEP-2	2006 00:44	Unknown	1.00 inst13-14	grol4s.m	091006b.b
+			***************************************		« • <del>•</del> • • • • • • • • • • • • • • • • •	
Data File	Matrix	Fraction	Lab Sample ID	Lab Prep Batch	Client Sample ID	Client Sample Grou
091006a14_010.d	SOLID	VOA	ccv	080305	ccv	080305
091006a14 011.d	SOLID	VOA	mb	080305	cim	080305
091006a14 012.d	SOLID	VOA	LCSG06I10DSA	080305	lcs	080305
091006a14 013.d	SOLID	VOA	248580-1	188923	SS-1	248580
091006al4 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	88-6	248580
091006a14_020.d	SOLID	VOA	248580-6	188923	  SS-7	248580
091006a14_021.d	SOLID	VOA	ccv	080305	cev	080305
091006a14 022.d	SOLID	VOA	248531-13	080305	248531-13	080305
091006a14_023.d	SOLID	VOA	248531-14	080305	248531-14	080305
<b>+</b>	‡	+	<b>4</b>	4	+	+
Data File	Compound	d Sublist	Spike List File	Sample Ref # QC	Group Ref # Init Cal	l 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.đ	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
_	GRO.sub		grow.spk	15920	15933	15872 12517

Page 1

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

Data File	Injectio	on Date	Sample Type	Dil Factor Inst ID	Method	Method B	atch		
091006a14_024.d	11-SEP-2	2006 01:19	Unknown	1.00 inst13-14	grol4s.m	091006b.	b		
091006a14_025.d	11-SEP-2	2006 01:54	Unknown	1.00 inst13-14	grol4s.m	091006b.	b		
091006a14_026.d	11-SEP-2	2006 02:28	Unknown	1.00 inst13-14	grol4s.m	091006b.	b		
091006a14_027.d	11-SEP-2	2006 03:03	Unknown	1.00 inst13-14	grol4s.m	091006b.	b		
091006a14_028.d	11-SEP-2	2006 03:38	Unknown	1.00 inst13-14	4  grol4s.m	091006b.	b		
091006a14_029.d	11-SEP-2	2006 04:13	Unknown	1.00 inst13-14	4  grol4s.m	091006b.	b		
091006a14_030.d	11-SEP-2	2006 04:48	Unknown	1.00 inst13-14	4 grol4s.m	091006b.	b		
091006a14_031.d	11-SEP-2	2006 05:23	Continuing Cal	1.00 inst13-14	grol4s.m	091006b.	b		
Data File	Matrix	Fraction	Lab Sample ID	Lab Prep Batch	Client Sample	e ID Client S	ample Group		
+	+	+				1			
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			•	080305			
091006a14_027.d	SOLID	VOA	248531-21		•	080305			
091006a14_028.d	SOLID	VOA	248531-23				080305		
091006a14_029.d	SOLID	VOA	248531-26	080305   0		080305			
091006a14_030.d	SOLID	VOA	248531-23	080305	080305				
091006a14_031.d	SOLID	VOA	ccv  +	080305	ccv	] 080305			
Data File	Compound	i Sublist	Spike List File	e Sample Ref # (	QC Group Ref # In:	it Cal Ref # Batc	h 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		

Page 2

# STL Chicago Corrective Action/Qualification Report GC VOA

CHI-22-19-009/B-06/	Page No.
6/02	30

Analytical Methods:	Method Blank	
SW-846 8021B SW-846 8015B (Mod) (Define)	Description of situation.	A CONTRACTOR OF THE CONTRACTOR
SW-846 8015B Other (Define):		
1	Action Taken	
Surrogate LabNet ID: (505110557)		
	Demonstration of Control:	
Spike LabNet ID: (SOS 107 W ST		
	Description of Situation	AV-S
Initial Calibration Criteria 39 1006 124 GRAS		
Description of Orderson,		
	ACTION TO ACTION	
Action Taken:		
	Demonstration of Control:	The state of the s
Demonstration of Control		
CAH BOWK A	Qualification of Data  Data Affected (Client/Sample #)	
Continuing Calibration Criteria		- The state of the
Description of Situation:	Qualification:	
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Action Taken:		
	Associated samples realitalyzed. The qualified and narrated:	and narrated:
Demonstration of Control:	Explanation for no realitaly standard moon for the second	
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	Analyst Signature/date <u>O</u>	icago
	Reviewer Signature/date	Ch
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STL Chicago GC Volatile Analysis Logbook

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File Name Job Number	Sample ID				2 1	(MUST include SRN's)	Analyst Initials
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	ass 10-50 ass 10-50 ass 10-50 ass 10-500 ass 10-600 ass 10-600 ass 10-600 ass 10-600 ass 10-600	Job Number Sample    1	Job Number Sample    1	Job Number   Sample ID   Sparge   Sample   Wr. I Vol.	100 Number   Sample ID   Sparge   Sample   Ins   No.   10 Number   Sample ID   Sparge   Sample   Instr. pH   No.   100 Number   Sample ID   Sample   1001   21		

GC Volatile Analysis Logbook

STL Chicago

Instrument ID# 14 Analysis Date / Time 9-11-06 Analyst Signature/Date: (26) 000 100 7884 2224 OST 2259 2115 0503 0154 CV44 0333 0413 9228 200 CARN NAMED AND THE PROPERTY OF File Name 3 OF 1248580-7  $\frac{c}{\mathcal{L}}$ 02 9 g 023/2/8531-19 024 072 248531-13 072 248531-13 076 200 2 020 070 820 CCV Job Number دی S -4 €-5  $\sqrt{N}$  $\ddot{\mathcal{L}}$ in in 5 5 مَّ Sample ID 4-11-06 Sparge No. F Reviewer Signature/Date: 水 CAUSE! である。 Sample Wt. / Vol. Di Instr 5 + 2모 55-1mgs 1-41 + Payl She GOSTIUDAD Comments (MUST include SRN's) Page No. STL Chicago (b) (6) Analyst Initials

STL Chicago GC Volatile Analysis Logbook

Instrument ID# 14  Analysis Date / Time	D# 14 File Name	Job Number	Sample ID	Sparge No.	Sample Wt. / Vol.	× 0	y. Instr.	
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Spike LabNet ID:

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Description of Situation:

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**Initial Calibration Criteria** 

Action Taken:

Demonstration of Control

Surrogate LabNet ID:

1880 H88

Other (Define):

SW-846 8015B (Mod) (Define)

Description of situation.

Method Blank

40CFR 602 SW-846 8015B SW-846 8021B

Analytical Methods:

Batch Number: 09406

## Corrective Action/Qualification Report GC VOA STL Chicago

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CS Action Taken: Description of Situation: **Demonstration of Control:** Explanation for no reanalysis/data MUST be qualified and narrated. Associated samples reanalyzed: Data Affected (Client/Sample #) Demonstration of Control: Qualification: Qualification of Data Action Taken: Yes No (see below)

**Continuing Calibration Criteria** 

GO TO SIT

Description of Situation:

Action Taken:

Demonstration of Control:

Reviewer Signature/date

Analyst Signature/date <u>©</u> ©

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STL Chicago GC Volatile Analysis Logbook

CHI-22-19-009/B

Instrument ID# 14 Analysis	44	ich Number	Sample ID	Sparge	Sample		<u> </u>	Comments (MUST include SRN's)
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Comments (MUST include SRN's)  Analyst  Analyst  Page No.  Page No.  STL Chicago, Analyst  Conments  Analyst  Analyst  Analyst

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		17 N SB1		16 N SB1			15 N CR1	14 N SB1		13 N SB1	Sample # QC Client	Method Code: Job Number: Project Number:	Surrogate Reagent:	rpjah	Total Control of the
		SB1185-2		SB1175-4			SR1165-4	SB1155-3		SB1155-2	ent Sample ID	8015G 248531 20006654	ent:		
						7						<pre>IPH - Gasoline Range Organics Customer Job ID: GSA - SLOP GSA - SLOP</pre>			
		SOIL		SOIL			SULL SULL SULL SULL SULL SULL SULL SULL	SOIL		SOIL	Matrix	nics (GRO) SLOP			
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		09/20/2006 09/21/2006 K3110LA OT 1/160	Mills Condition	09/20/2006 09/21/2006 WINN AL 075 V				09/20/2006 09/21/2006 MMH 23-35KC		Arsi Arsis	File Name	Holding Time: 14 Day Holding Time Customer: SCS Engineers, Inc. Proj. Cat: FED-MISC PM: rcw		S His	
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Page 1

STL Chicago

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Surrogate	ate Reagent:				09/08/20	)06						
Method Job Nur Project	Method Code: 8015G Job Number: 248531 Project Number.: 20006654	TPH - Gasoline Range Organics Customer Job ID: GSA - SLOP GSA - SLOP	s (GRO)	Holdi Custo Proj.	Holding Time: Customer: Proj. Cat: FED-M	Holding Time: 14 Day Holding Time Customer: SCS Engineers, Inc. Proj. Cat: FED-MISC PM: rcw	olding neers,	Time Inc.	C Hardcopy Due Date.:	Contac	Job Report Type: L4qfnd Contact.: David Brewer Fax Due Date.:	4qfnd
Sample 7	# QC Client Sample I	ID Mat	Matrix	HT Date	TAT Date	File Name	Dil Tu	Tune name A	Action Anals	Action Analst Prep Batch Comments	Comments	
18	N S81185-5	1108		09/20/2006	09/21/2006	3/20/2006 09/21/2006 09/2/05/08	8	3	2		314,0905 819	(v)_====================================
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Method Job Num Project	Method Code: 8015G Job Number: 248531 Project Number: 20006654	TPH - Gasoline Range Organics (GRO) Customer Job ID: GSA - SLOP GSA - SLOP	nics (GRO) SLOP	Holdi Custo Proj.	ng Time mer Cat: FEC	Holding Time: 14 Day Holding Time Customer: SCS Engineers, Inc. Proj. Cat: FED-MISC PM: rcw	oldir neers	ng Time s, Inc.	Hardco	Co. Hardcopy Due Date.:	Contac Date.:	Job Report Type: L4qfnd Contact.: David Brewer Fax Due Date.:	4qfnd
Sample #	Sample # QC Client Sample ID		Matrix	Hĭ Date	TAT Date	File Name	Dit	name	Action	Analst	Action Analst Prep Batch Comments	Comments	
23	N SB1225-4		SOIL	09/20/2006	09/21/2006	09/20/2006 09/21/2006 MWM & BOOS/05/00	F	38			188923 547,78	97.78	
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26	N SB1135-5		SOIL	09/19/2006	09/21/2006	09/19/2006 09/21/2006 MINNING SUPER	3					R. C.	
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27	N SB1145-3		S01L	09/19/2006	09/21/2006	09/19/2006 09/21/2006 Millian 11 030 Str	*					38	A. M. A. M.
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### % Solids Determination

Method Cod Batch Code Status	<b>}</b> :	1888	99	Batch Date: 09/09/06 Batch Time: 1817 User Name: clb	Calc Code	: SOI e: %S0 Code: 572	OL	Equipment Import Cod		
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	_MD2		92.9	8.7536	8.1320	9.3943	10.0159
	1	4	248531_2_s	<del></del>		82.0	9.6814	7.9349	9.2004	10.9469
	1	5	248531_3_s 248531_4_s	<del></del>		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	2485 <b>3</b> 1_6_s			81.4	9.2255	7.5108	8.7572	10.4719
	1	9	248531_7_s	and the lateral like		82.3	8.9067	7,3322	8.5744	10.1489
	1	10	2485 <b>3</b> 1_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_	\$		88.5	8.7520	7.7495	9.0292	10.0317
	1	13	248531_11_			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_			83.7	9.4887	7.9459	9.2168	10.7596
	. 1	.17	248531_15_			79.9	9.0293	7.2118	8.4762	10.2937
	1	18	248531_16_			78.9	9.0337	7.1246	8.3866	10.2957
	7	19	248531_17_			85.8	9.5717	8.2153	9.4660	10.8224
	4	20	248531_18_	S		86.8	9.2252	8.0076 7.2665	9.2559 8.5136	10.4/33
	4	21 22	248531_19_			78.8	9.6211	7.8032	9.0512	10.4638
	.1	22	248531_20_	3		81.1	7,0211	1.6032	7.0312	10.0071

### % Solids Determination

Method Code: Batch Code: Status:	188899	Batch Date: 09/09/06 Batch Time: 1817 User Name: clb	Calc Code	: SOI e: %SO Code: 577	OL	Equipment Import Cod		
SAMPLE: Grp	Pos Sample 1	D	Dilution	TARE g	ASHWT g	FASHWT g	%MOIST %	%ASH %
1 1 1 1 1 1 1 1 1 1 1 1	1 S_MB 2 248531_3 3 248531_4 4 248531_3 5 248531_4 7 248531_6 9 248531_6 9 248531_6 10 248531_1 11 248531_1 12 248531_1 14 248531_1 15 248531_1 16 248531_1 17 248531_1 18 248531_1 19 248531_1 20 248531_2 21 248531_2 22 248531_2 22 248531_2 23 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2 248531_2	S   MD   2   S   S   S   S   S   S   S   S   S   S		1.2694 1.2663 1.2623 1.2655 1.2651 1.2552 1.2504 1.2464 1.2422 1.2907 1.2881 1.2797 1.2803 1.2745 1.2746 1.2709 1.2644 1.2620 1.2507 1.2483 1.2471 1.2480			100.0 7.8 7.1 18.0 24.1 16.1 16.9 18.6 17.7 3.1 20.8 11.5 19.8 11.6 14.6 16.3 20.1 21.1 14.2 13.2 21.2	

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### % Solids Determination

Method Code: Batch Code: Status:	188859	ł	Batch Date: 09/08/06 Batch Time: 1152 User Name: Lp	Calc	ode Code tion Code	: %sc	OL.	Equipment Import Cod		
SAMPLE: Grp	Pos Sa	ample ID		Diluti		SOLID	IWGT g	FWGT g	DRYWT g	WETWT 9
1 1 1 1 1 1 1 1 1 1 1 1 1	3 24 4 22 5 24 6 24 7 2 2 8 22 10 24 11 2 13 2 14 2 15 2 16 2 17 18 2 18 2 19 2	S_MB	MD5		79 88 78 78 86 76 80 81 77 77 79 78 22 76 76	5.1 9.7 3.2 3.9 3.6 6.6 6.6 6.1 7.9 4.6 7.4 9.8 3.4 6.1 6.1 6.1 6.1	9.8296 9.7580 10.0730 10.1601 10.4117 10.0764 10.3081 10.1621 10.4477 9.9782 10.3843 10.4547 10.2111 10.5795 10.5580 10.3581 9.9502 10.4624 10.3413 10.1728	0.0022 9.2839 8.0255 8.9588 8.2177 7.9304 8.9289 7.7869 8.3685 8.1692 8.0876 7.8043 7.9054 8.4474 8.2825 0.2610 7.5688 7.7934 7.8788	1.2830 10.5342 9.2968 10.2253 9.5044 9.2184 10.2047 9.0734 9.6451 9.4539 9.3558 9.0737 9.1956 9.7360 9.5418 1.5178 8.8357 9.2352 9.0550 9.1422	11.1104 11.0083 11.3443 11.4266 11.6984 11.5839 11.4486 11.7243 11.6525 11.7241 11.5013 11.8681 11.8173 11.6149 11.2171 11.7481 11.7481 11.6029 11.4362

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### % Solids Determination

Method Cod Batch Cod Status	e:	1888	59	Batch Date: 09/08/06 Batch Time: 1152 User Name: Lp	Calc Code	: SO e: %S Code: 57	OL	Equipment Import Cod		
SAMPLE:	Grp	Pos	Sample ID		Dilution	TARE g	ASHWT g	FASHWT g	%MOIST %	%ASH %
	~ ~ 1 ~ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	S_MB	5		1.2808 1.2503 1.2713 1.2665 1.2867 1.2880 1.2758 1.2665 1.2766 1.2847 1.2682 1.2694 1.2902 1.2886 1.2593 1.2568 1.2669 1.2568 1.2669 1.2857 1.2616 1.2634 1.2590		-1.2808	100.0 4.9 20.3 11.8 21.1 21.3 13.4 23.4 19.9 18.1 22.1 25.4 22.6 20.2 21.6 97.5 23.9 24.0 24.6 25.6	-58218.2

## 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 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 (\_\_\_\_\_) Pages

### SAMPLE INFORMATION

Date: 09/25/2006

Job Number:248554Project Number:20006654Customer...:SCS Engineers, Inc.Customer Project ID...:GSA - SLOPAttn.....:David BrewerProject 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

LABORATORY TEST RESULTS

Job Number: 248554 Date:09/25/2006

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

Customer Sample ID: SB1265-1
Date Sampled....: 09/07/2006
Time Sampled....: 07:20
Sample Matrix...: Soil

Laboratory Sample ID: 248554-1 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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND 26000	ם ח ח ח ח		680 560 540 590 440 450 400	2000 2000 2000 2000 2000 2000 2000 200	100.000 100.000 100.000 100.000 100.000 100.000 100.000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	189789 189789 189789 189789 189789 189789		09/19/06 1507 09/19/06 1507 09/19/06 1507 09/19/06 1507 09/19/06 1507 09/19/06 1507 09/19/06 1507	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	81.2			0.10 0.10	0.10	1	o	189010 189010		09/11/06 1804 09/11/06 1804	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date:09/25/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATIN: 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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	NID NID NID NID NID NID	ם ט ט ט ט ט		6.9 5.7 5.6 6.1 4.5 4.6 4.1	21 21 21 21 21 21 21 21	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	189789 189789 189789 189789 189789 189789		09/19/06 0155 09/19/06 0155 09/19/06 0155 09/19/06 0155 09/19/06 0155 09/19/06 0155 09/19/06 0155	bjt bjt bjt bjt 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 % Moisture, Solid	78.6 21.4			0.10 0.10	0.10 0.10	1	or or	189010 189010		09/11/06 1811 09/11/06 1811	1 1

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date:09/25/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATIN: 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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	ם ט ט ט ט ט		6.7 5.5 5.4 5.9 4.3 4.4	20 20 20 20 20 20 20 20 20	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	189789 189789 189789 189789 189789 189789		09/19/06 0245 09/19/06 0245 09/19/06 0245 09/19/06 0245 09/19/06 0245 09/19/06 0245 09/19/06 0245	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	80.2 19.8			0.10 0.10	0.10	1	0° 0°	189010 189010		09/11/06 1815 09/11/06 1815	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date:09/25/2006

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

Customer Sample ID: SB1285-1
Date Sampled....: 09/07/2006
Time Sampled....: 09:20
Sample Matrix...: Soil

Laboratory Sample ID: 248554-4
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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	מממממ		6.7 5.5 5.4 5.9 4.3 4.4 3.9	20 20 20 20 20 20 20 20 20	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	189789 189789 189789 189789 189789 189789 189789		09/19/06 0309 09/19/06 0309 09/19/06 0309 09/19/06 0309 09/19/06 0309 09/19/06 0309 09/19/06 0309	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	82.6 17.4			0.10 0.10	0.10 0.10	1	ତ ତ ତ	189010 189010		09/11/06 1818 09/11/06 1818	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date:09/25/2006

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

Customer Sample ID: SB1295-1
Date Sampled....: 09/07/2006
Time Sampled....: 09:40
Sample Matrix...: Soil

Laboratory Sample ID: 248554-5
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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	NID NID NID NID NID NID	U U U		6.6 5.4 5.3 5.7 4.2 4.3 3.9	20 20 20 20 20 20 20 20 20	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	189789 189789 189789 189789 189789 189789 189789		09/19/06 0359 09/19/06 0359 09/19/06 0359 09/19/06 0359 09/19/06 0359 09/19/06 0359 09/19/06 0359	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	82.5 17.5			0.10 0.10	0.10	1	o o o o o o o o o o o o o o o o o o o	189010 189010		09/11/06 1822 09/11/06 1822	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date: 09/25/2006

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

Customer Sample ID: SB1305-1
Date Sampled....: 09/07/2006
Time Sampled....: 10:50
Sample Matrix....: Soil

Laboratory Sample ID: 248554-6
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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	0 0 0		6.3 5.2 5.1 5.5 4.1 4.2 3.7	19 19 19 19 19 19 19	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	189789 189789 189789 189789 189789 189789		09/19/06 0424 09/19/06 0424 09/19/06 0424 09/19/06 0424 09/19/06 0424 09/19/06 0424 09/19/06 0424	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	87.2 12.8			0.10 0.10	0.10	1 1	oo oo	189010 189010		09/11/06 1826 09/11/06 1826	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date: 09/25/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATIN: 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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	NID NID NID NID NID NID	0 0 0 0 0 0 0		7.1 5.9 5.7 6.2 4.6 4.7 4.2	21 21 21 21 21 21 21 21	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	189789 189789 189789 189789 189789 189789 189789		09/19/06 0603 09/19/06 0603 09/19/06 0603 09/19/06 0603 09/19/06 0603 09/19/06 0603 09/19/06 0603	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	75.5 24.5			0.10 0.10	0.10	1	o o o o o o o o o o o o o o o o o o o	189010 189010		09/11/06 1830 09/11/06 1830	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date:09/25/2006

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

Customer Sample ID: SB1315-1
Date Sampled....: 09/07/2006
Time Sampled....: 11:20
Sample Matrix...: Soil

Laboratory Sample ID: 248554-8
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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	ָ ע ע ע ע ע ע		5.7 4.6 4.5 4.9 3.6 3.7 3.3	17 17 17 17 17 17 17	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	189789 189789 189789 189789 189789 189789 189789		09/19/06 0627 09/19/06 0627 09/19/06 0627 09/19/06 0627 09/19/06 0627 09/19/06 0627 09/19/06 0627	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	94.6 5.4			0.10 0.10	0.10	1	o	189010		09/11/06 1833 09/11/06 1833	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date: 09/25/2006

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

Customer Sample ID: SB1325-2
Date Sampled....: 09/07/2006
Time Sampled....: 13:20
Sample Matrix....: Soil

Laboratory Sample ID: 248554-9
Date Received.....: 09/08/2006
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis Aroclor 1016, 3541 Solid* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	0 0 0 0		6.8 5.6 5.5 5.9 4.4 4.5	20 20 20 20 20 20 20 20 20	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	189789 189789 189789 189789 189789 189789 189789		09/19/06 0831 09/19/06 0831 09/19/06 0831 09/19/06 0831 09/19/06 0831 09/19/06 0831 09/19/06 0831	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	80.1			0.10 0.10	0.10	1	ate at	189010 189010		09/11/06 1837 09/11/06 1837	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date: 09/25/2006

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

Customer Sample ID: SB1335-1
Date Sampled....: 09/07/2006
Time Sampled....: 15:15
Sample Matrix....: Soil

Laboratory Sample ID: 248554-10 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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	NID NID NID NID NID NID	ם ח ח ח ח ח ח ח		6.6 5.4 5.3 5.8 4.2 4.3 3.9	20 20 20 20 20 20 20 20 20	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	189789 189789 189789 189789 189789 189789 189789		09/19/06 0856 09/19/06 0856 09/19/06 0856 09/19/06 0856 09/19/06 0856 09/19/06 0856 09/19/06 0856	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	84.0			0.10 0.10	0.10 0.10	1	ণ্ড o'e	189010 189010		09/11/06 1841 09/11/06 1841	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date:09/25/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATIN: 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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	ם ט ט ט ט ט		6.7 5.5 5.4 5.8 4.3 4.4 3.9	20 20 20 20 20 20 20 20 20	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	189789 189789 189789 189789 189789 189789		09/19/06 0945 09/19/06 0945 09/19/06 0945 09/19/06 0945 09/19/06 0945 09/19/06 0945 09/19/06 0945	bjt bjt bjt bjt 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 % Moisture, Solid	80.1 19.9			0.10 0.10	0.10 0.10	1	o o o o o o o o o o o o o o o o o o o	189010 189010		09/11/06 1844 09/11/06 1844	1 1

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date: 09/25/2006

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

Customer Sample ID: SB1345-1
Date Sampled....: 09/07/2006
Time Sampled....: 15:50
Sample Matrix....: Soil

Laboratory Sample ID: 248554-12 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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	ם מממ ממ ממ מ		6.5 5.3 5.2 5.6 4.1 4.3 3.8	19 19 19 19 19 19 19	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	189789 189789 189789 189789 189789 189789 189789		09/19/06 1010 09/19/06 1010 09/19/06 1010 09/19/06 1010 09/19/06 1010 09/19/06 1010 09/19/06 1010	bjt bjt bjt bjt bjt
Method	% Solids Determination % Solids, Solid % Moisture, Solid	84.7			0.10 0.10	0.10	1	ે જે	189010 189010		09/11/06 1848 09/11/06 1848	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date:09/25/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATIN: 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* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	0 0 0 0		20 17 16 18 13 13	61 61 61 61 61 61 61	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	189789 189789 189789 189789 189789 189789		09/19/06 1035 09/19/06 1035 09/19/06 1035 09/19/06 1035 09/19/06 1035 09/19/06 1035 09/19/06 1035	bjt bjt bjt bjt 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 % Moisture, Solid	80.3 19.7			0.10 0.10	0.10 0.10	1	ato ato	189010		09/11/06 1852 09/11/06 1852	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248554 Date: 09/25/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATIN: 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	QFLA	GS MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	NID NID NID NID NID NID	U U U U U U	0.17 0.39 0.33 0.40 0.45 0.33 0.16	0.47 0.47 0.47 0.47 0.47 0.47 0.47	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/L ug/L ug/L ug/L ug/L ug/L	189788 189788 189788 189788 189788 189788		09/22/06 1352 09/22/06 1352 09/22/06 1352 09/22/06 1352 09/22/06 1352 09/22/06 1352	2 bjt   2 bjt   2 bjt   2 bjt   2 bjt

<sup>\*</sup> In Description = Dry Wgt.

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 Ç	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

<sup>\*</sup> In Description = Dry Wgt.

#### 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.
- 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.
- The chromatographic response does not resemble a typical fuel pattern.
- ${\tt E}$  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.
- \* ICS, ICD, EIC, EID, 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
- 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 interfence, 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

#### REFERENCES AND NOTES

Report Date: 09/25/2006

```
greater than 25%.
Abbreviations
         Post Digestion Spike (GFAA Samples - See Note 1 below)
AS
         Designation given to identify a specific extraction, digestion, preparation set, or analysis set
Batch
CAP
         Capillary Column CCB Continuing Calibration Blank
CCV
         Continuing Calibration Verification
CF
         Confirmation analysis of original
C1
         Confirmation analysis of Al 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
         Calilbration Verification Standard
CV
Dil Fac Dilution Factor - Secondary dilution analysis
D1
         Dilution 1
D2
         Dilution 2
D3
         Dilution 3
         Detection Limit Factor
DLFac
DSH
         Distilled Standard - High Level
         Distilled Standard - Low Level
Distilled Standard - Medium Level
DST.
DSM
EB1
         Extraction Blank 1
         Extraction Blank 2
EB2
EB3
         DI Blank
ELC.
         Method Extracted ICS
ET D
         Method Extracted LCD
ICAL
         Initial calibration
ICB
         Initial Calibration Blank
         Initial Calibration Verification
ICV
IDL
         Instrument Detection Limit
ISA
         Interference Check Sample A - ICAP
         Interference Check Sample B - ICAP
ISB
         The first six digits of the sample ID which refers to a specific client, project and sample group
Job No.
         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
         Method of Standard Additions
MSA
MS
         Matrix Spike
MSD
         Matrix Spike Duplicate
ND
         Not Detected
         Preparation factor used by the Laboratory's Information Management System (LIMS)
PREPF
         Post Digestion Spike (ICAP)
PDS
RA
         Re-analysis of original
A1
         Re-analysis of D1
Α2
         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
         Relative Percent Difference of duplicate (unrounded) analyses
RPD
         Relative Response Factor
RRF
RT
         Retention Time
```

## REFERENCES AND NOTES

Report Date: 09/25/2006

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first
KIW	six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
	<u> </u>
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
abbrevia	ution 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 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 (\_\_\_\_\_) Pages

## SAMPLE INFORMATION

Date: 09/25/2006

Job Number:248582Project Number:20006654Customer...:SCS Engineers, Inc.Customer Project ID...:GSA - SLOPAttn.....:David BrewerProject 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

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 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	NID NID NID NID NID NID NID NID NID	U U U U U		0.18 0.42 0.35 0.43 0.48 0.35 0.17	0.50 0.50 0.50 0.50 0.50 0.50	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/L ug/L ug/L ug/L ug/L	189788 189788 189788 189788 189788 189788		09/22/06 1416 09/22/06 1416 09/22/06 1416 09/22/06 1416 09/22/06 1416 09/22/06 1416 09/22/06 1416	bjt bjt bjt bjt bjt

<sup>\*</sup> In Description = Dry Wgt.

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

<sup>\*</sup> In Description = Dry Wgt.

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 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	ND ND ND ND ND ND	טטטטטטטטטטטטטטט		0.17 0.40 0.33 0.41 0.45 0.33 0.16	0.47 0.47 0.47 0.47 0.47 0.47 0.47	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/L ug/L ug/L ug/L ug/L ug/L	189788 189788 189788 189788 189788 189788		09/22/06 1441 09/22/06 1441 09/22/06 1441 09/22/06 1441 09/22/06 1441 09/22/06 1441 09/22/06 1441	bjt bjt bjt bjt bjt

<sup>\*</sup> In Description = Dry Wgt.

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	QI	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

<sup>\*</sup> In Description = Dry Wgt.

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

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248582 Date: 09/25/2006

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

<sup>\*</sup> In Description = Dry Wgt.

#### REFERENCES AND NOTES

Report Date: 09/25/2006

#### REPORT COMMENTS

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- 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.
- 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.
- The chromatographic response does not resemble a typical fuel pattern.
- ${\tt E}$  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
- 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 interfence, 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

#### REFERENCES AND NOTES

Report Date: 09/25/2006

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greater than 25%.
Abbreviations
         Post Digestion Spike (GFAA Samples - See Note 1 below)
AS
         Designation given to identify a specific extraction, digestion, preparation set, or analysis set
Batch
CAP
         Capillary Column CCB Continuing Calibration Blank
CCV
         Continuing Calibration Verification
CF
         Confirmation analysis of original
C1
         Confirmation analysis of Al 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
         Calilbration Verification Standard
CV
Dil Fac Dilution Factor - Secondary dilution analysis
D1
         Dilution 1
D2
         Dilution 2
D3
         Dilution 3
         Detection Limit Factor
DLFac
DSH
         Distilled Standard - High Level
         Distilled Standard - Low Level
Distilled Standard - Medium Level
DST.
DSM
EB1
         Extraction Blank 1
         Extraction Blank 2
EB2
EB3
         DI Blank
ELC.
         Method Extracted LCS
ET D
         Method Extracted LCD
ICAL
         Initial calibration
ICB
         Initial Calibration Blank
         Initial Calibration Verification
ICV
IDL
         Instrument Detection Limit
ISA
         Interference Check Sample A - ICAP
         Interference Check Sample B - ICAP
ISB
         The first six digits of the sample ID which refers to a specific client, project and sample group
Job No.
         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
         Method of Standard Additions
MSA
MS
         Matrix Spike
MSD
         Matrix Spike Duplicate
ND
         Not Detected
         Preparation factor used by the Laboratory's Information Management System (LIMS)
PREPF
         Post Digestion Spike (ICAP)
PDS
RA
         Re-analysis of original
A1
         Re-analysis of D1
Α2
         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
         Relative Percent Difference of duplicate (unrounded) analyses
RPD
         Relative Response Factor
RRF
RT
         Retention Time
```

## REFERENCES AND NOTES

Report Date: 09/25/2006

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first
ICIW	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
	The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current
abbrevia	ation 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 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 (\_\_\_\_\_) Pages

## SAMPLE INFORMATION

Date: 10/06/2006

Job Number:248821Project Number:20006654Customer...:SCS Engineers, Inc.Customer Project ID...:GSA - SLOPAttn.....:David BrewerProject 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

LABORATORY TEST RESULTS

Job Number: 248821 Date:10/06/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATIN: 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 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	ND ND ND ND ND ND	טטטטטטטטטטטטטטטטטטט		0.19 0.44 0.37 0.45 0.51 0.37 0.18	0.53 0.53 0.53 0.53 0.53 0.53 0.53	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/L ug/L ug/L ug/L ug/L ug/L	190238 190238 190238 190238 190238 190238		09/28/06 0528 09/28/06 0528 09/28/06 0528 09/28/06 0528 09/28/06 0528 09/28/06 0528 09/28/06 0528	lm lm lm lm

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248821 Date:10/06/2006

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

Q FLAGS DILUTION TEST METHOD PARAMETER/TEST DESCRIPTION SAMPLE RESULT MDT. RLUNITS BATCH DT DATE/TIME TECH 8082 PCB Analysis Aroclor 1016 ND 1.00000 190238 09/28/06 0558 lm 0.19 0.53 ug/L Aroclor 1221 ND ug/L 09/28/06 0558 lm 0.44 0.53 1.00000 190238 Aroclor 1232 ND 09/28/06 0558 lm 0.37 0.53 1.00000 ug/L 190238 ND 09/28/06 0558 lm Aroclor 1242 0.45 0.53 1.00000 190238 ug/L ND Aroclor 1248 190238 09/28/06 0558 lm 0.51 0.53 1.00000 ug/L Aroclor 1254 ND 0.37 0.53 1.00000 ug/L 190238 09/28/06 0558 lm 09/28/06 0558 lm Aroclor 1260 2.6 0.18 1.00000 190238 0.53 ug/L

<sup>\*</sup> In Description = Dry Wgt.

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

Aroclor 1221 Aroclor 1232 ND U 0.44 0.53 1.00000 ug/L 190238 0.37 0.53 1.00000 ug/L 190238 0.37 0.53 1.00000 ug/L 190238 0.37 0.53 1.00000 ug/L 190238 0.37 0.53 1.00000 ug/L 190238 0.37 0.53 1.00000 ug/L 190238 0.37 0.53 1.00000 ug/L 190238 0.37 0.53 1.00000 ug/L 190238 0.37 0.53 0.53			Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254	NID NID NID NID NID	U U U U	0.19 0.44 0.37 0.45 0.51 0.37	0.53 0.53 0.53 0.53 0.53 0.53	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/L ug/L ug/L ug/L ug/L ug/L	190238 190238 190238 190238 190238 190238		09/28/06 0628 09/28/06 0628 09/28/06 0628 09/28/06 0628 09/28/06 0628 09/28/06 0628 09/28/06 0628	lm lm lm lm lm

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 248821

LABORATORY TEST RESULTS

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 Date:10/06/2006

Q FLAGS DILUTION TEST METHOD PARAMETER/TEST DESCRIPTION SAMPLE RESULT MDT. RLUNITS BATCH DT DATE/TIME TECH 8082 PCB Analysis Aroclor 1016 ND 1.00000 190238 09/28/06 0658 lm 0.19 0.53 ug/L Aroclor 1221 ND ug/L 09/28/06 0658 lm 0.44 0.53 1.00000 190238 Aroclor 1232 ND 09/28/06 0658 lm 0.37 0.53 1.00000 ug/L 190238 ND 09/28/06 0658 lm Aroclor 1242 0.45 0.53 1.00000 190238 ug/L ND Aroclor 1248 190238 09/28/06 0658 lm 0.51 0.53 1.00000 ug/L Aroclor 1254 ND 0.37 0.53 1.00000 ug/L 190238 09/28/06 0658 lm ND 09/28/06 0658 lm Aroclor 1260 0.18 1.00000 190238 0.53 ug/L

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248821 Date:10/06/2006

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

Customer Sample ID: SB110
Date Sampled....: 09/21/2006
Time Sampled....: 14:25
Sample Matrix....: Water

Laboratory Sample ID: 248821-5
Date Received.....: 09/23/2006
Time Received.....: 09:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QFLAG	SS MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PARAMETER/TEST DESCRIPTION  PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	ND ND ND ND ND ND	U U U U U U U U U U U U U U U U U U U	1.0 2.3 1.9 2.4 2.7 1.9 0.94	2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/L ug/L ug/L ug/L ug/L ug/L	190238 190238 190238 190238 190238 190238		09/28/06 0729 09/28/06 0729 09/28/06 0729 09/28/06 0729 09/28/06 0729 09/28/06 0729 09/28/06 0729	lm lm lm lm lm

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248821 Date:10/06/2006

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

Customer Sample ID: SB133

Date Sampled....: 09/21/2006

Time Sampled....: 14:35

Laboratory Sample ID: 248821-6

Date Received....: 09/23/2006

Time Received....: 09:20

Sample Matrix....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	ND ND ND ND ND ND	บ บ บ บ	0.19 0.44 0.37 0.45 0.51 0.37 0.18	0.53 0.53 0.53 0.53 0.53 0.53 0.53	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/L ug/L ug/L ug/L ug/L ug/L	190238 190238 190238 190238 190238 190238 190238		09/28/06 0829 09/28/06 0829 09/28/06 0829 09/28/06 0829 09/28/06 0829 09/28/06 0829 09/28/06 0829	lm lm lm lm lm

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248821 Date:10/06/2006

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

Customer Sample ID: SB134
Date Sampled....: 09/21/2006
Time Sampled....: 14:45
Sample Matrix....: Water

Laboratory Sample ID: 248821-7 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	PARAMETER/TEST DESCRIPTION  PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	SAMPLE RESULT  ND ND ND ND ND ND ND	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	FLAGS	0.23 0.54 0.45 0.55 0.62 0.45 0.22	0.64 0.64 0.64 0.64 0.64 0.64 0.64	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	UNITS  ug/L ug/L ug/L ug/L ug/L ug/L ug/L	190238 190238 190238 190238 190238 190238		DATE/TIME  09/28/06 0859 09/28/06 0859 09/28/06 0859 09/28/06 0859 09/28/06 0859 09/28/06 0859 09/28/06 0859	lm lm lm lm lm

<sup>\*</sup> In Description = Dry Wgt.

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

<sup>\*</sup> In Description = Dry Wgt.

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	TECE
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

<sup>\*</sup> In Description = Dry Wgt.

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

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 248821 Date:10/06/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATIN: 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	QI	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis Aroclor 1016, 3541 Solid* Aroclor 1221, 3541 Solid* Aroclor 1232, 3541 Solid* Aroclor 1242, 3541 Solid* Aroclor 1248, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1254, 3541 Solid* Aroclor 1260, 3541 Solid*	ND ND ND ND ND ND	U U U U		72 59 58 63 46 48 42	210 210 210 210 210 210 210 210 210	10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	190206 190206 190206 190206 190206 190206 190206		09/28/06 0633 09/28/06 0633 09/28/06 0633 09/28/06 0633 09/28/06 0633 09/28/06 0633 09/28/06 0633	lm lm lm lm 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 % Moisture, Solid	73.3 26.7			0.10 0.10	0.10 0.10	1	ato ato	189989 189989		09/27/06 0000 09/27/06 0000	

<sup>\*</sup> In Description = Dry Wgt.

## LABORATORY CHRONICLE

Job Number: 248821 Date: 10/06/2006

UOL	Number · 240021		Dat	e. 10/00/2000	
CUSTOMER: SCS Eng	gineers, Inc.	PROJECT: GSA -	SLOP	ATTN: David Brewer	
Lab ID: 248821-1	Client ID: SB132	Date Re	ecvd: 09/23/2006 Sam	ple Date: 09/21/2006	
METHOD	DESCRIPTION		BATCH# PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
EDD	Electronic Data Deliverable	1	4.0004		
3510C	Extraction Sep. Funnel (PCBs)	1	189991	09/27/2006 1300	1 00000
8082	PCB Analysis	1	190238 189991	09/28/2006 0528	1.00000
Lab ID: 248821-2	Client ID: SB126	Date Re	ecvd: 09/23/2006 Sam	ple Date: 09/21/2006	
METHOD	DESCRIPTION	RUN#		DATE/TIME ANALYZED	DILUTION
3510C	Extraction Sep. Funnel (PCBs)		189991	09/27/2006 1300	
8082	PCB Analysis	1	190238 189991	09/28/2006 0558	1.00000
Lab ID: 248821-3	Client ID: SB127	Date Re	ecvd: 09/23/2006 Sam	mle Date: 09/21/2006	
METHOD	DECCETOTION	DI TAT#	BATCH# PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
3510C	Extraction Sep. Funnel (PCBs)	1	189991	09/27/2006 1300	
8082	PCB Analysis	1	190238 189991	09/28/2006 0628	1.00000
Lab ID: 248821-4	Client ID: SB129	Date Do	ecvd: 09/23/2006 Sam	mle Date: 09/21/2006	
METHOD	DESCRIPTION			DATE/TIME ANALYZED	DILUTION
3510C	Extraction Sep. Funnel (PCBs)	1	189991	09/27/2006 1300	21201101
8082	PCB Analysis	1	190238 189991	09/28/2006 0658	1.00000
I-b ID: 040001 F	Client ID: SB110	D-+- D-	ecvd: 09/23/2006 Sam	ple Date: 09/21/2006	
Lab ID: 248821-5	DESCRIPTION			DATE/TIME ANALYZED	DILUTION
3510C	Extraction Sep. Funnel (PCBs)	1	189991	09/27/2006 1300	DILICITON
8082	PCB Analysis	1	190238 189991	09/28/2006 0729	1.00000
- 1 040001 6	e7.1		1. 00 (00 (0006 - 0	3 - 7 - 1 - 00 (01 (000)	
Lab ID: 248821-6 METHOD	Client ID: SB133 DESCRIPTION			ple Date: 09/21/2006 DATE/TIME ANALYZED	DILUTION
3510C	Extraction Sep. Funnel (PCBs)	1	189991	09/27/2006 1300	DILUTION
8082	PCB Analysis	1	190238 189991	09/28/2006 0829	1.00000
				_	
Lab ID: 248821-7	Client ID: SB134 DESCRIPTION		ecvd: 09/23/2006 Sam	ple Date: 09/21/2006 DATE/TIME ANALYZED	DILLEGION
METHOD 3510C	Extraction Sep. Funnel (PCBs)	RON# 1	189991	09/27/2006 1300	DILUTION
8082	PCB Analysis	1	190238 189991	09/28/2006 0859	1.00000
Lab ID: 248821-8	Client ID: SB122	Date Re		ple Date: 09/21/2006	
METHOD	DESCRIPTION  First reaction Con Firmel (Diagol)	RUN#		DATE/TIME ANALYZED	DILUTION
3510C 8015B MDRO	DESCRIPTION Extraction Sep. Funnel (Diesel) TPH - Diesel Range Organics (DRO)	1 1	190042 190462 190042	09/27/2006 1300 10/03/2006 0419	1.00000
OUISE TERO	III Diebei lange organies (Die)	-	190102 190012	10, 03, 2000 0113	1.00000
Lab ID: 248821-9				ple Date: 09/21/2006	
METHOD	DESCRIPTION	RUN#		DATE/TIME ANALYZED	DILUTION
3510C 8015B MDRO	Extraction Sep. Funnel (Diesel) TPH - Diesel Range Organics (DRO)	1 1	190042 190462 190042	09/27/2006 1300 10/03/2006 0456	1.00000
ONTOR MINO	irn - Diesei Range Organics (DRO)	1	190402 190042	10/03/2006 0456	1.00000
Lab ID: 248821-10	Client ID: SB121	Date Re	ecvd: 09/23/2006 Sam	ple Date: 09/21/2006	
METHOD	DESCRIPTION	RUN#			DILUTION
3510C	Extraction Sep. Funnel (Diesel)	1	190042	09/27/2006 1300	1 00000
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	190462 190042	10/03/2006 0532	1.00000
Lab ID: 248821-11	Client ID: 108BLSSS1	Date Re	ecvd: 09/23/2006 Sam	ple Date: 09/22/2006	
METHOD	DESCRIPTION	RUN#	BATCH# PREP BT #(S)	-	DILUTION
Method	% Solids Determination	1	189989	09/27/2006 0000	
3541	Extraction Soxhlet (DRO)	1	190035	09/27/2006 1600	
3541 8082	Extraction Soxhlet (PCBs) PCB Analysis	1 1	189929 190206 189929	09/26/2006 1630 09/28/2006 0633	10.0000
0002	LCD WINTABID	Τ.	エンUZUU エロブブZブ	09/20/2000 0033	10.0000

LABORATORY CHRONICLE

Job Number: 248821 Date: 10/06/2006

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

Date Recvd: 09/23/2006 Sample Date: 09/22/2006

Lab ID: 248821-11 Client ID: 108BLSSS1
METHOD DESCRIPTION
8015B MDRO TPH - Diesel Range Organics (DRO) RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION
1 190461 190035 10/03/2006 0003 100.000

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## SURROGATE RECOVERIES REPORT

Job Number.: 248821 Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc.	PROJECT: GSA - SLOP	ATIN: Da	avid Brewer
Method: TPH - Diesel Range O Method Code: 8015D	<u> </u>	x: 3541 Solid	Prep Batch: 190035
Lab ID DT Sample ID	Date 2FLUE	BP OTERPH	
CS   MB   248821- 11   108BLSSS1   248821- 11   MS   108BLSSS1   248821- 11   MSD   108BLSSS1   108B	10/03/2006 0		
Method: TPH - Diesel Range O Method Code: 8015D	<u> </u>	c: Water : 190462	Prep Batch: 190042
Lab ID DT Sample ID	Date 2FLUE	BP OTERPH	
ICD	10/03/2006 88	3 73	

Method Code: 8015D		Batch(s): 190462				
Lab ID	DT	Sample ID	Date	2FLUBP	OTERPH	
LCD			10/03/200	6 88	73	 
LCS			10/03/200	6 100	83	
MB			10/03/200	6 75	74	
248821-	8	SB122	10/03/200	16 79	78	
248821-	9	SB119	10/03/200	6 82	78	
248821- 1	10	SB121	10/03/200	16 73	75	
Test	Test Des	scription	Limits			
2FLUBP		obiphenyl (surr)	34 - 139			

2FLUBP	2-Fluorobiphenyl (surr)	34 - 139	
OTERPH	o-Terphenyl (surr)	50 - 127	

SURROGATE RECOVERIES REPORT

Report Date.: 10/06/2006 Job Number.: 248821

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer Method....: PCB Analysis Test Matrix...: 3541 Solid Prep Batch..: 189929 Method Code...: 8082 Batch(s)....: 190206 Lab ID DT Sample ID Date DCB TCX LCS 94 51 09/28/2006 MΒ 09/28/2006 96 60 248821- 11 108BLSSS1 09/28/2006 103 87 Test Test Description Limits 70 - 125 DCB Decachlorobiphenyl (surr) 44 - 135 TCX Tetrachloro-m-xylene (surr)

Test Matrix...: Water Method....: PCB Analysis Prep Batch..: 189991 Method Code...: 8082 Batch(s)....: 190238 Lab ID DT Sample ID Date DCB TCX LCD 09/27/2006 84 71 LCS 09/27/2006 70 MB 09/27/2006 92 65 248821- 1 SB132 09/28/2006 37 25 248821-2 SB126 09/28/2006 70 81 248821-3 SB127 09/28/2006 59 72 248821-SB129 09/28/2006 66 73 248821-5 SB110 09/28/2006 57 74 248821-09/28/2006 SB133 28 48 6 248821-SB134 09/28/2006 49 72 Test Test Description Limits 20 - 145 DCB Decachlorobiphenyl (surr)

Job Number.: 248821 Report Date.: 10/06/2006

Reag. Code

Date

Time

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Brewer Lab ID Dilution Factor

Analyst...: lm Equipment Code....: INST3132

Test Method.....: 8082 Method Description.: PCB Analysis Batch..... 190206

Description

QC Type

LCS	Laboratory Control Samp	le		O6IW	LPCBA	189929-002			09/	/28/:	2006	0453
Para	meter/Test Description	Units	QC Resi	ult	QC Result	True Value	Orig. Value	QC Ca	lc.	*	Limit	ts F
Aroclor 1016	, 3541 Solid	ug/Kg	130.1	173		166.700	5.600	U 78		%	52-2	105
Aroclor 1260	, 3541 Solid	ug/Kg	153.4	467		167.000	3.300	U 92		왕	63-1	122

Job Number.: 248821 Report Date.: 10/06/2006

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

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

Test Method.....: 8082 Equipment Code...: INST3132 Analyst...: lm

Method Description.: PCB Analysis Batch....: 190206

MB Method Blank					189929-001				09/	28/2	2006	0429	Ī
Parameter/Test Description	Units	QC Resu	lt	QC Result	True Value	Orig.	Value	QC Ca.	lc.	*	Limit	ts	F
Aroclor 1016, 3541 Solid	ug/Kg	5.60	00 U										•
Aroclor 1221, 3541 Solid	ug/Kg	4.60	U 00										
Aroclor 1232, 3541 Solid	ug/Kg	4.50	U 00										
Aroclor 1242, 3541 Solid	ug/Kg	4.90	U 00										
Aroclor 1248, 3541 Solid	ug/Kg	3.60	U 00										
Aroclor 1254, 3541 Solid	ug/Kg	3.70	U 00										
Aroclor 1260, 3541 Solid	ug/Kg	3.30	U 00										

Job Number.: 248821 Report Date.: 10/06/2006

CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP Dilution Factor Reag. Code Lab ID Description Date QC Type Time

Analyst...: lm Equipment Code....: INST3738

Test Method.....: 8082 Method Description.: PCB Analysis Batch....: 190238

LCD	Laboratory Control Samp	ple Duplicate	<u>;</u>	O6IW	TLPCBA	189991-003		09/27/	′2006 2	2138
Para	meter/Test Description	Units	QC Resi	ılt	QC Result	True Value	Orig. Value QC Cal	.c. *	Limits	s F
Aroclor 1016		ug/L	4.4	120	4.291	5.001	0.180 U 88	% P	66-10 20	06
Aroclor 1260		ug/L	4.5	541	4.501	5.010	0.170 U 91 1	8	71-11 20	16

Job Number.: 248821 Report Date.: 10/06/2006

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

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

Analyst...: lm Equipment Code....: INST3738

Test Method.....: 8082 Method Description.: PCB Analysis Batch....: 190238

LCS		Laboratory Control Samp	le		O6IW	VLPCBA	189991-002			09/	/27/:	2006	2108
	Paran	neter/Test Description	Units	QC Resi	ult	QC Result	True Value	Orig. Value	QC Ca	lc.	*	Limit	s F
Aroclor	1016		ug/L	4.2	291		5.001	0.180	U 86		ે	66-1	06
Aroclor	1260		ug/L	4.5	501		5.010	0.170	U 90		%	71-1	.16

Job Number.: 248821 Report Date.: 10/06/2006

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

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

Analyst...: lm Equipment Code....: INST3738

Test Method.....: 8082 Method Description.: PCB Analysis Batch....: 190238

MB Me	thod Blank					189991-001				09/27	//2006	2038
Paramete	er/Test Description	Units	QC Resu	ılt	QC Result	True Value	Or:	ig. Value	QC Ca	Lc. *	Limi	lts I
Aroclor 1016		ug/L		.80 U								
Aroclor 1221 Aroclor 1232		ug/L ug/L		120 U 1350 U								
Aroclor 1242 Aroclor 1248		ug/L ug/L		130 U 180 U								
Aroclor 1254 Aroclor 1260		ug/L ug/L	0.3	350 U								

Job Number: 248821 Report Date: 10/06/2006

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

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

Test Method.....: 8015B MDRO Equipment Code...: INST10 Analyst...: san

59.578

Method Description: TPH - Diesel Range Organics (DRO) Batch....: 190461

 ICS
 Laboratory Control Sample
 006IWLDIEA
 190035-002
 10/02/2006 2326

 Parameter/Test Description
 Units
 QC Result
 True Value
 Orig. Value
 QC Calc. \* Limits

Diesel Range Organics (DRO), 3541 Soli mg/Kg

Job Number.: 248821 Report Date.: 10/06/2006

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

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

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

Parameter/Test Description Units QC Result QC Result True Value Orig. Value QC Calc. \* Limits I

Diesel Range Organics (DRO), 3541 Soli mg/Kg

Job Number.: 248821 \_\_\_\_\_ Report Date.: 10/06/2006

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

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

Test Method.....: 8015B MDRO Equipment Code...: INST10 Analyst...: san

Method Description: TPH - Diesel Range Organics (DRO) Batch....: 190461

MS	Matrix Spike			0061	WLDIEA	248821-11	100.000		10/03	3/2006	0040	i
Parar	meter/Test Description	Units	QC Resi	ult	QC Result	True Value	Orig. Value	QC Cal	.c. 7	Lim	its	F
Diesel Range	Organics (DRO), 3541 Soli	i mg/Kg	10012.	977		8563.000	6423.002	0		£ 62·	-120	D

Job Number.: 248821 Report Date.: 10/06/2006

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

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

Test Method.....: 8015B MDRO Equipment Code...: INST10 Analyst...: san

Method Description.: TPH - Diesel Range Organics (DRO) Batch.....: 190461

MSD		Matrix Spike Duplicate			0061	WLDIEA	248821-11	100.000		10/0	3/2	2006	0116	
	Parame	ter/Test Description	Units	QC Resi	ult	QC Result	True Value	Orig. Value	QC Ca	lc.	*	Limit	s :	F
Diesel	Range O	rganics (DRO), 3541 Soli 1	mg/Kg	8754.5	548	10012.977	8562.000	6423.002	0 43		% R 3	62-1 30	20	D

Job Number.: 248821 \_\_\_\_\_ Report Date.: 10/06/2006

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

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

Test Method.....: 8015B MDRO Equipment Code...: INST10 Analyst...: san

Method Description: TPH - Diesel Range Organics (DRO) Batch....: 190462

	LCD	Laboratory Control Samp	ole Duplicate		006I	WLDIEA	190042-003			10/	03/:	2006	0306	
-	Pa	rameter/Test Description	Units	QC Resi	ılt	QC Result	True Value	Orig. Value	QC Cal	Lc.	*	Limit	s	F
-	Diesel Rar	ge Organics (DRO)	ma/L	1.45	7030	1.633330	2.000000	0.033000 U	73		%	64-1	.00	

11

R 20

Job Number.: 248821 Report Date.: 10/06/2006

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

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

Test Method.....: 8015B MDRO Equipment Code....: INST10 Analyst...: san

1.633330

Method Description.: TPH - Diesel Range Organics (DRO) Batch....: 190462

mg/L

Diesel Range Organics (DRO)

LCS Laboratory Control Sample O06IWLDIEA 190042-002 10/03/2006 0229 Orig. Value QC Calc. \* Limits Parameter/Test Description Units QC Result QC Result True Value % 64-100

0.033000 U 82

2.000000

QUALITY CONTROL RESULTS Report Date.: 10/06/2006 Job Number.: 248821 CUSTOMER: SCS Engineers, Inc. PROJECT: GSA - SLOP Dilution Factor Lab ID QC Type Description Reag. Code Date Time 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

Parameter/Test Description Units QC Result QC Result True Value Orig. Value QC Calc. \* Limits F

Diesel Range Organics (DRO) mg/L 0.033000 U

Job Number.: 248821 Report Date.: 10/06/2006

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

Test Method.....: Method Batch....: 189989 Analyst...: gok Method Description: % Solids Determination Parameter...... % Solids Test Code.: %SOLID Equipment Code....:

True Value Orig. Value QC Calc. F \* Limits QC Lab ID Reagent Units QC Result QC Result Date Time

0.1000 U MB 189989-001 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.
- 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.
- The chromatographic response does not resemble a typical fuel pattern.
- ${\tt E}$  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.
- \* ICS, ICD, EIC, EID, 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
- 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 interfence, 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
         Post Digestion Spike (GFAA Samples - See Note 1 below)
AS
         Designation given to identify a specific extraction, digestion, preparation set, or analysis set
Batch
CAP
         Capillary Column CCB Continuing Calibration Blank
CCV
         Continuing Calibration Verification
CF
         Confirmation analysis of original
C1
         Confirmation analysis of Al 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
         Calilbration Verification Standard
CV
Dil Fac Dilution Factor - Secondary dilution analysis
D1
         Dilution 1
D2
         Dilution 2
D3
         Dilution 3
         Detection Limit Factor
DLFac
DSH
         Distilled Standard - High Level
         Distilled Standard - Low Level
Distilled Standard - Medium Level
DST.
DSM
EB1
         Extraction Blank 1
         Extraction Blank 2
EB2
EB3
         DI Blank
ELC.
         Method Extracted LCS
ET D
         Method Extracted LCD
ICAL
         Initial calibration
ICB
         Initial Calibration Blank
         Initial Calibration Verification
ICV
IDL
         Instrument Detection Limit
ISA
         Interference Check Sample A - ICAP
         Interference Check Sample B - ICAP
ISB
         The first six digits of the sample ID which refers to a specific client, project and sample group
Job No.
         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
         Method of Standard Additions
MSA
MS
         Matrix Spike
MSD
         Matrix Spike Duplicate
ND
         Not Detected
         Preparation factor used by the Laboratory's Information Management System (LIMS)
PREPF
         Post Digestion Spike (ICAP)
PDS
RA
         Re-analysis of original
A1
         Re-analysis of D1
Α2
         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
         Relative Percent Difference of duplicate (unrounded) analyses
RPD
         Relative Response Factor
RRF
RT
         Retention Time
```

## QUALITY ASSURANCE METHODS

## REFERENCES AND NOTES

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
abbrevi	ation used. EX. ICS S=ICS 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
	ng limit. The control limit is represented as +/- the RL.
-	•



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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)

Sia

Richard C. Wright Name:

Title: Project Manager

E-Mail: rwright@stl-inc.com

Date

STL Chicago 2417 Bond Street

10/27/06

University Park, IL 60466

PHONE: (708) 534-5200 FAX..: (708) 534-5211

This Report Contains (78

# Severn Trent Laboratories - Chicago METALS CASE NARRATIVE

Client: SCS Engineers, Inc.

Project: GSA-SLOP

STL#: 249132

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. Ödeshoo Metals Supervisor 10-16-06 Date

Date Rec'd: 10/13/06

## 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

| 10/25/6 | 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>	COLUMN TYPE	<b>DETECTOR</b>
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.
- All required holding times were met for the extraction and analysis. 3.
- 4. The method blank was below the reporting limits for all Aroclors.
- The surrogate compounds used for this analysis were Decachlorobiphenyl (DCB) and 5. Tetrachloro-m-xylene (TCX). All surrogate recoveries were within statistical control limits.
- A solution containing Aroclor 1016 and Aroclor 1260 was used for spiking. 6.
- 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%.
- Target compounds were confirmed using a second column. All results were reported from 10. the primary column.

(b) (6) Brenda J. Thompson Organics Supervisor

## 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:

ID#	<u>INSTRUMENT</u>	COLUMN TYPE	<b>DETECTOR</b>
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)	
	10-26-0
Brenda J. Thompson	Date
Organics Supervisor	

## STL Chicago is part of Severn Trent Laboratories, Inc.

# SAMPLE INFORMATION 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	102FL00R2WS101	Wipe	10/11/2006	15:45	10/13/2006	10:00
249132-2	102FL00R2WS102	Wipe	10/11/2006	15:55	10/13/2006	10:00
249132-3	102FL00R2WS103	Wipe	10/11/2006	16:10	10/13/2006	10:00
249132-4	102FL00R2WS104	Wipe	10/11/2006	16:20	10/13/2006	10:00
249132-5	102FL00R2Ws105	Wipe	10/11/2006	16:25	10/13/2006	10:00
249132-6	102FL00R2WS106	Wipe	10/11/2006	16:30	10/13/2006	10:00
249132-7	102FL00R2WS107	Wipe	10/11/2006	16:35	10/13/2006	10:00
249132-8	102FL00R2WS108	Wipe	10/11/2006	16:45	10/13/2006	10:00
249132-9	102FL00R2WS109	Wipe	10/11/2006	16:50	10/13/2006	10:00
249132-10	102FL00R2Ws110	Wipe	10/11/2006	17:00	10/13/2006	10:00
249132-11	102FL00R2WS111	Wipe	10/12/2006	07:55	10/13/2006	10:00
249132-12	102FL00R2Pc111	Solid	10/12/2006	07:55	10/13/2006	10:00
249132-13	102FL00R2WS112	Wipe	10/12/2006	08:15	10/13/2006	10:00
249132-14	102FL00R2Pc112	Solid	10/12/2006	08:15	10/13/2006	10:00
249132-15	102FL00R1WS113	Wipe	10/12/2006	08:30	10/13/2006	10:00
249132-16	102FL00R1Fc113	Solid	10/12/2006	08:30	10/13/2006	10:00
249132-17	102FL00R1WS114	Wipe	10/12/2006	09:00	10/13/2006	10:00
249132-18	102FL00R1PC114	Solid	10/12/2006	09:00	10/13/2006	10:00
249132-19	102DFL00R2WS115	Wipe	10/12/2006	09:20	10/13/2006	10:00
249132-20	102DFL00R2PC115	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	102DFL00R1PC116	Solid	10/12/2006	09:30	10/13/2006	10:00
249132-23	102DFL00R1WS117	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	102EFL00R2PC118	Solid	10/12/2006	09:45	10/13/2006	10:00
				:	*	

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# SAMPLE INFORMATION

Date:

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
249132-27	102EFL00R1WS119	Wipe	10/12/2006	10:00	10/13/2006	10:00
249132-28	102EFL00R1PC119	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
***************************************						

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L T S Date:10/27/2006	ATTN: payid Brewer	e ID: 249132-1 : 10/13/2006 : 10:00	RL DILUTION UNITS BATCH DT DATE/TIME TECH	0.50 1.00000 ug/wipe 192097 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt 0.50 10/16/06 2200 bjt	
BORATORY TEST RESU	PROJECT: GSA - SLOP	Laboratory Sample Date Received Time Received	SAMPLE RESULT   Q   FLAGS	ND ND 0.32 ND 0.32 ND 0.32 ND 0.32 ND 0.32 ND 0.32 ND 0.32	Page 3
Job Number: 249132	Engineers, Inc.	Customer Sample ID: 102FLooR2Ws101 Date Sampled: 10/11/2006 Time Sampled: 15:45 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	Aroclor 1016, Wipe Aroclor 1221, Wipe Aroclor 1232, Wipe Aroclor 1242, Wipe Aroclor 1254, Wipe Aroclor 1260, Wipe	* In Description = Dry Wgt.
-	CUSTOMER: SCS	Customer Date Sam Time Sam Sample M:	TEST METHOD	8082	

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T RESUL	SLOP	Laboratory Sample ID: Date Received: Time Received:	<b>a</b>	wwwww aaaaaa	
F	GSA - SI	Labor Date Time	O FLAGS	כככככ	Page 4
LABORATORY	PROJECT:		SAMPLE RESULT 6	22222	30
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Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102FL00R2WS102 Date Sampled: 10/11/2006 Time Sampled: 15:55 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	PCB Analysis Aroclor 1016, Wipe Aroclor 1232, Wipe Aroclor 1242, Wipe Aroclor 1254, Wipe Aroclor 1260, Wipe	$\star$ In Description = Dry Wgt.
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Date:10	ATTN:		UNITS	ug/kipe ug/kipe ug/kipe ug/kipe ug/kipe
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σ		249132-3 10/13/2006 10:00	RL	0.50 0.50 0.50 0.50 0.50 0.50
T RESULT	<u>C</u>	Laboratory Sample ID: Date Received Time Received	TOW	0.32 0.32 0.32 0.32 0.32 0.32
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Job Number: 249132	Engineers, Inc.	Customer Sample ID: 102FL00R2W3103 Date Sampled: 10/11/2006 Time Sampled: 16:10 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	Aroclor 1016, Wipe Aroclor 1221, Wipe Aroclor 1232, Wipe Aroclor 1242, Wipe Aroclor 1254, Wipe Aroclor 1260, Wipe
	CUSTOMER: SCS	Customer Date Sam Time Sam Sample M	TEST METHOD	8088

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\* In Description = Dry Wgt.

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E S	GSA -	Labor Date Time	Q FLAGS		
ABORATORY	PROJECT:		SAMPLE RESULT	<u> </u>	
L Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102FLOOR2WS104 Date Sampled: 10/11/2006 Time Sampled: 16:20 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	PCB Analysis Aroclor 1016, Wipe Aroclor 1232, Wipe Aroclor 1248, Wipe Aroclor 1254, Wipe Aroclor 1260, Wipe	
	CUSTOMER: SCS E	Customer Date Samp Time Samp Sample Ma	TEST METHOD	8082	

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ABORATORY	PROJECT:		SAMPLE RESULT	0°,
LAE	.2ws105 106	PARAMETER/TEST DESCRIPTION		
Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102FLOOR2Ws105 Date Sampled: 10/11/2006 Time Sampled: 16:25 Sample Matrix: Wipe	PARAMETER	PCB Analysis Aroclor 1016, Wipe Aroclor 1232, Wipe Aroclor 1242, Wipe Aroclor 1248, Wipe Aroclor 1260, Wipe Aroclor 1260, Wipe
کر	CUSTOMER: SCS ER	Customer Date Samp Time Samp Sample Man	TEST METHOD	8082

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LABORATORY	PROJECT: (		SAMPLE RESULT Q		Page
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Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102FL00R2WS106 Date Sampled: 10/11/2006 Time Sampled: 16:30 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	Aroclor 1016, Wipe Aroclor 1221, Wipe Aroclor 1242, Wipe Aroclor 1248, Wipe Aroclor 1254, Wipe Aroclor 1260, Wipe	$\star$ In Description = Dry Wgt.
	CUSTOMER: SCS	Customer Date San Time San Sample h	TEST METHOD	8082	

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Date:10/27/2006	ATTN: David Brewer		ION UNITS BATCH DT DATE/TIME TECH	00 ug/Wipe 192097 10/17/06 0211 bjt 000 ug/Wipe 192097 10/17/06 ug/Wipe 192097 10/17/06 ug/Wipe 192097 10/17/06 ug/Wipe 19	
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Γ, 1			ESCRIPTION		
Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102FLOOR2WS107 Date Sampled: 10/11/2006 Time Sampled: 16:35 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	PCB Analysis Aroclor 1016, Wipe Aroclor 1232, Wipe Aroclor 1242, Wipe Aroclor 1254, Wipe Aroclor 1256, Wipe	
dol	CUSTOMER: SCS Eng	Customer Sample ID: Date Sampled Time Sampled	TEST METHOD	8082 Pr Ar Ar Ar Ar Ar	

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ഗ <u>⊢</u> -		): 249132-8 :: 10/13/2006 :: 10:00	7.0 0.0 0.0 0.0 0.0 0.0 0.0	4
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⊢ m ∾	GSA - SLOP	Labo Date Time	FLAGS	Page 10
ABORATORY	PROJECT:		SAMPLE RESULT OU U U U U U U U U U U U U U U U U U U	Pa
Job Number: 249132	CUSTOMER: SCS Engineers, Inc.	Customer Sample ID: 102FLOOR2WS108 Date Sampled: 10/11/2006 Time Sampled: 16:45 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION PCB Analysis Aroclor 1016, Wipe Aroclor 1232, Wipe Aroclor 1242, Wipe Aroclor 1248, Wipe Aroclor 1254, Wipe Aroclor 1260, Wipe	* In Description = Dry Wgt.
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ABORATORY	PROJECT:		SAMPLE RESULT Q	22222 22222
L A B Job Number: 249132 SCS Engineers, Inc.	Customer Sample ID: 102FLOOR2WS109 Date Sampled: 10/11/2006 Time Sampled: 16:50 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	Aroclor 1016, Wipe Aroclor 1221, Wipe Aroclor 1242, Wipe Aroclor 1248, Wipe Aroclor 1254, Wipe Aroclor 1260, Wipe	
	CUSTOMER: SCS	Customer Date Sam Time Sam Sample P	TEST METHOD	8085

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ος	SCS En	Customer Sample ID: Date Sampled Time Sampled: Sample Matrix:	0	<u>.</u> च्चच्च्च	
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	CUSTOMER:		TEST	8	

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S.	: 249132-11 : 10/13/2006 : 10:00	RL	0.020	
RESULT	SLOP Laboratory Sample ID: 249132-11 Date Received 10/13/2006	MDL	0.0061	
TEST	PROJECT: GSA - SLOP Labor Date Time	FLAGS		
I B O R A T O R Y	PROJECT:	SAMPLE RESULT Q	0.17	
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2	) 2006 72006	PARAMETER/TEST DESCRIPTION	lids	The state of the s
Job Number: 249132	<pre>ER: SCS Engineers, Inc. Customer Sample ID: 102FL00R2WS111 Date Sampled: 10/12/2006 Time Sampled: 07:55 Sample Matrix: Wipe</pre>	PARAMET	Mercury, Wipe	
ب	CUSTOMER: SCS Engineers, Inc  Customer Sample ID: 102 Date Sampled 10/ Time Sampled 07: Sample Matrix Wip	TEST METHOD	7471A	

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Job Number: 249132

Date:10/27/2006

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Cuestoner Sample ID: 1/02/L006/20-111	USTOMER: SCS	CUSTOMER: SCS Engineers, Inc.	PROJECT: GSA - SLOP	3SA - SLOP				ATTN:	David Brewer	- PWe		
Hercury (CVAA) Solids         6.4         0.30         1.6         50         mg/kg         191485         10/17/06 0959	Customer Date Sam Time Sam Sample M	Sample ID: 10ZFL00R2Pc111 pled: 10/12/2006 pled: 07:55 atrix: Solid		Labor Date Time	atory Sample I Received Received	10: 249132-12 : 10/13/2006 : 10:00						
Mercury, CVAA) Solids         6.4         0.30         1.6         50         mg/kg         191485	TEST METHOD	PARAMETER/TEST DESCRIPTION	O		TGW	R	DILUTION	UNITS	***************************************			EC
	<u> </u>	Mercury, Solid	4.		0.30	, . 6.	20	mg/Kg	191485	10/17	/06 0959	<u>@</u>

Page 14

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LABORATORY	PROJECT: GSA - SLOP		SAMPLE RESULT	0.13
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Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102FL00R2Ws112 Date Sampled: 10/12/2006 Time Sampled: 08:15 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	Mercury, Wipe
qof	CUSTOMER: SCS Engi	Customer Sam Date Samplec Time Sample Sample Matri	TEST METHOD	7471A Mer

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s <del>L</del>		10: 249132-14 : 10/13/2006 : 10:00	Ř.	99.0	
ST RESULT	SLOP	Laboratory Sample ID: 249132-14 Date Received: 10/13/2006 Time Received: 10:00	Jaw	0.12	
l.l.J 		Lab Dat Tim	Q FLAGS		Page 16
ABORATORY	PROJECT: GSA		SAMPLE RESULT	<del>.</del> . 8.	
Job Number: 249132	CUSTOMER: SCS Engineers, Inc.	Customer Sample ID: 102FLOOR2PC112 Date Sampled: 10/12/2006 Time Sampled: 08:15 Sample Matrix: Solid	PARAMETER/TEST DESCRIPTION	Mercury, Solid Mercury, Solid	* In Description = Dry Wgt.
	CUSTOMER: SCS	Customer Date Sam Time Sam Sample M	TEST METHOD	7471A	**************************************

Page 16

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н S ⊨	GSA - SLOP	Labora Date F Time F	FLAGS		
A B O R A T O R Y	PROJECT: GS		SAMPLE RESULT   Q	0.072	
L A Job Number: 249132	Engineers, Inc.	Customer Sample ID: 102FL00R1WS113 Date Sampled: 10/12/2006 Time Sampled: 08:30 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	Mercury, Wipe	
3	CUSTOMER: SCS Engineers,	Customer Date Samp Time Samp Sample Ma	TEST METHOD	7471A	

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s L		Laboratory Sample ID: 249132-16 Date Received: 10/13/2006 Time Received: 10:00			
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 m ∞	PROJECT: GSA - SLOP	Lab Dat Tim	FLAGS		Page 18
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Job Number: 249132	CUSTOMER: SCS Engineers,	Customer Sample ID: 102FL00R1PC113 Date Sampled: 10/12/2006 Time Sampled: 08:30 Sample Matrix: Solid		Mercury, CVAA) Solids	*
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TORY TEST RESULTS   Date:10/27/2006   PROJECT: 654 - SLOP   ATTN: David Brever	
ATTN:  Laboratory Sample ID: 249132-17  Date Received: 10:00  Time Received: 10:00  Q FLAGS. MDL RL DILUTION UNITS  0.061 0.20 10 ug/Wipe	
ATTN:  Laboratory Sample ID: 249132-17  Date Received: 10:00  Time Received: 10:00  Q FLAGS. MDL RL DILUTION UNITS  0.061 0.20 10 ug/Wipe	
ATTN:  Laboratory Sample ID: 249132-17  Date Received: 10:00  Time Received: 10:00  Q FLAGS. MDL RL DILUTION UNITS  0.061 0.20 10 ug/Wipe	
CT.: GSA SLOP  CT.: GSA SLOP  Laboratory Sample ID: 249732-17  Date Received: 10/13/2006  Time Received: 10:00  O.061  O.020	
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249132 Inc. 102FL00R1WS114 10/12/2006 09:00 Wipe Wipe VAA) Solids ipe	
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Job Number: 249132 CUSTOMER: SCS Engineers, Inc.  Customer Sample ID: 102FLOOR1WS114 Date Sampled: 09:00 Sample Matrix: Wipe TEST METHOD  7471A Mercury (CVAA) Solids Nercury, Wipe	
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ABORATORY	PROJECT: GSA - SLOP		SAMPLE RESULT Q	9	Pa
Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102FLOOR1PC114 Date Sampled: 10/12/2006 Time Sampled: 09:00 Sample Matrix: Solid	HOD PARAMETER/TEST DESCRIPTION	Mercury, Solids Mercury, Solid	* In Description = Dry Wgt.
	CUSTONER:	Cust Date Time Samp	TEST METHOD	7471A	Activities and the second seco

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			DATE/TIME	10/19/06 1517 gok	
9	rewer		ТО		
Date:10/27/2006	David Brewer		ВАТСН	191932	
Date:10	ATTN:		STINO	ug/Wípe	
			DILUTION		
		132-19 13/2006 00	R.	0.020	4
S ⊢		ID: 249			
T RESUL	<b>60</b>	Laboratory Sample ID: 249132-19 Date Received: 10/13/2006 Time Received: 10:00	MDL	0.0061	
T E S	GSA - SLOP	Lab Dat Tim	Q FLAGS	·	
LABORAŢORY	PROJECT:		SAMPLE RESULT   Q	0.047	-
LA			N		
Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102DFLOOR2W3115 Date Sampled: 10/12/2006 Time Sampled: 09:20 Sample Matrix: Wipe	PARAMETER/TEST DESCRIPTION	Mercury, Wipe	A CONTRACTOR OF THE PROPERTY O
7	CUSTOMER: SCS E	Customer Date Samp Time Samp Sample Ma	TEST METHOD	7471A	

\* In Description = Dry Wgt.

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Acceptance of the second secon	L Job Number: 249132	A B O R A T O R Y	TEST RESUL	_ S		Date:10,	Date:10/27/2006		
CUSTOMER: SCS Engineers,	Engineers, Inc.	PROJECT: GSA -	A SLOP			ATTN:	ATTN: David Brewer		
Customer Date San Time San Sample M	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	D: 249132-20 .: 10/13/2006 .: 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT   Q	Q FLAGS MDL	RL.	DILUTION	UNITS	ватсн рт	DATE/TIME	TECH
7471A	Mercury, Solids	1.2	0.061	0.33	0	mg/Kg	191485	10/17/06 1007 daj	daj
	* In Description = Dry Wgt.	Page	Page 22						

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75006	David Brewer	191932 10/19/06 1519 gok	
Date:1	ATTW:	1 ug/wipe 191932	
S 1 7	• ID: 249132-21 : 10/13/2006 : 10:00	0.020	
	GSA SLOP Laboratory Sample ID: 249132-21 Date Received 10/13/2006 Time Received 10:00	6.0061	
LABORATORY	PROJECT: GSA	O. 14	
Job Number: 249132	CUSTOMER: SCS Engineers, Inc.  Customer Sample ID: 102DFLOOR1WS116  Date Sampled: 10/12/2006  Time Sampled: Wipe	Mercury (CVAA) Solids Mercury, Wipe	
,	CUSTOMER: SCS.  Customer Date Samp Time Sample Ms	7471A	

\* In Description = Dry Wgt.

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RATORY TEST RESULTS Date:10/27/2006	PROJECT: 6SA - SLOP	Laboratory Sample ID: 249132-22 Date Received: 10/13/2006 Time Received: 10:00	SAMPLE RESULT Q FLAGS MDL RL DILUTION UNITS BATCH DT DATE/TIME TECH	6.1 0.30 1.6 50 mg/kg 191485 10/17/06 1014 daj	Page 24
L A B Job Number: 249132	CUSTOMER: SCS Engineers, Inc.	Customer Sample ID: 102DFLOOR1PC116  Date Sampled: 10/12/2006  Time Sampled: 09:30  Sample Matrix: Solid	TEST METHOD PARAMETER/TEST DESCRIPTION SAM	Mercury, Solid Mercury, Solid	* In Description = Dry Wgt.

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			TECH	ğ
	La		DATE/TIME	10/19/06 1521 gok
Date:10/27/2006	David Brewer		BATCH DT	191932
Date:10	ATTN		UNITS	ug/Wipe
			DILUTION	~
S		): 249132-23 :: 10/13/2006 :: 10:00	<b>W</b>	0.020
T RESULT	<b>d</b>	Laboratory Sample ID: 249132-23 Date Received: 10/13/2006 Time Received: 10:00	MDL	0.0061
T E S	GSA - SLOP	Labo Date Time	Q FLAGS	
ABORATORY	PROJECT:		SAMPLE RESULT @	0.080
		0R1WS117 306	PARAMETER/TEST DESCRIPTION	वि ।
Job Number: 249132	neers, Inc.	Customer Sample ID: 102DFLOOR1W3117 Date Sampled: 10/12/2006 Time Sampled: 09:35 Sample Matrix: Wipe	PARAMETER	Mercury, Wipe
N dot	CUSTOMER: SCS Engineers, Inc.	Customer Samp Date Sampled. Time Sampled. Sample Matrix	TEST METHOD	7471A Merc

\* In Description = Dry Wgt.

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Job Number: 249132

Date:10/27/2006

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CUSTOMER: SCS	CUSTOMER: SCS Engineers, Inc.	PROJECT: GSA — SLOP	SA - SLOP				ATTN:	David Brewer	Wel	
Custome Date Sar Time Sar Sample P	Customer Sample ID: 102DFLOOR1PC117 Date Sampled: 10/12/2006 Time Sampled: 09:35 Sample Matrix: Solid		Laboratc Date Rec Time Rec	ory Sample Il	Laboratory Sample ID: 249132-24 Date Received 10/13/2006 Time Received 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q F	FLAGS	Там	RL	DILUTION	UNITS	ватсн р	DT DATE/TIME	TME TECH
7471A	Mercury (CVAA) Solids Mercury, Solid	22		0.61	ĸ. ĸ.	100	mg/Kg	191485	10/17/06	10/17/06 1016 daj
ANALUSA LALLES TITTETTE TERRETARIO DE LA CONTRACTORIO DE LA CONTRACTOR	* In Description = Dry Wgt.	Page	Page 26		AND THE REAL PROPERTY OF THE P	***************************************	***************************************		ALL THE PROPERTY AND A SECOND AND A SECOND ASSESSMENT A	

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	L )	ABORATORY	⊢ E S	T RESUL	<b>ω</b>		Date:10	Date:10/27/2006		
STOMER: SCS	CUSTOMER: SCS Engineers, Inc.	PROJECT: GSA	GSA - SLOP	dC			ATTN:	David Brewer	ler	
Custome Date Sa Time Sa Sample	Customer Sample ID: 102EFLOOR2WS118 Date Sampled: 10/12/2006 Time Sampled: 09:45 Sample Matrix: Wipe		Labo Date Time	Laboratory Sample ID: Date Received: Time Received:	ID: 249132-25 : 10/13/2006 : 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT   G	a FLAGS	MOL		DILUTION	UNITS	ВАТСН DT	DATE/TIME	ТЕСН
7471A	Mercury, Wipe	090.0		0.0061	0.020	~	ug/W1pe	191932	10/19/06 1523 gok	99 k
	x In Description = Dry Wat	E'd	Page 27		A CONTRACTOR OF THE PROPERTY O					

\* In Description = Dry Wgt.

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			TECH	'2	
	<b>19</b> 4		DT DATE/TIME TE	10/17/06 1018 daj	
Date:10/27/2006	ATTN: David Brewer		ВАТСН D	191485	
Date:10	ATTN:		UNITS	mg/Kg	
			DILUTION	10	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
s ⊢		0: 249132–26 .: 10/13/2006 .: 10:00	RL	0.33	
T RESUL.	4	Laboratory Sample ID: 249132-26 Date Received 10/13/2006 Time Received 10:00	Jaw	0.061	THE REAL PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF T
⊢ п ∾	PROJECT: GSA - SLOP	Labo Date Time	0 FLAGS		Page 28
LABORATORY	PROJECT:		SAMPLE RESULT   G	1.2	Pč
Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102EFLCOR2PC118 Date Sampled: 10/12/2006 Time Sampled: 09:45 Sample Matrix: Solid	PARAMETER/TEST DESCRIPTION	Mercury, Solid	* In Description = Dry Wgt.
	CUSTOMER: SCS	Customer Date Sam Time Sam Sample M	TEST METHOD	7471A	

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	Jan		DT DATE/TIME TECH	10/19/06 1526 gok	
Date:10/27/2006	David Brewer		ВАТСН D	191932	
Date:10	ATTN:		UNITS	ug/Wipe	
			DILUTION		
S		D: 249132-27 .: 10/13/2006 .: 10:00	RL	0.020	
T RESUL	SLOP	Laboratory Sample ID: 249132-27 Date Received: 10/13/2006 Time Received 10:00	MDL	0.0061	
ω ⊢	GSA -	Lab Dat Tim	0 FLAGS		
LABORATORY	PROJECT:		SAMPLE RESULT	0.21	
Job Number: 249132	CUSTOMER: SCS. Engineers, Inc.	Customer Sample ID: 102EFLOOR1WS119 Date Sampled: 10/12/2006 Time Sampled: 10:00 Sample Matrix: Wipe	TEST METHOD PARAMETER/TEST DESCRIPTION	Mercury, Wipe Mercury, Wipe	

\* In Description = Dry Wgt.

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			TECH	iaj	
			DATE/TIME	10/17/06 1020 daj	
27/2006	David Brewer		ватсн рт	191485	
Date:10/27/2006	ATTN: D		UNITS	mg/Kg	
			DILUTION	20	***************************************
T S		D: 249132-28 .: 10/13/2006 .: 10:00	RL	6.	\$
T RESUL	3C0P	Laboratory Sample ID: Date Received	Jgw	0.30	Annual designation of the state
F S	GSA - SL	Lab Dati Tim	FLAGS		Page 30
ABORATORY	PROJECT:		SAMPLE RESULT Q	5.9	Pa
Job Number: 249132	CUSTOMER: SCS Engineers, Inc.	Customer Sample ID: 102EFLOOR1PC119 Date Sampled: 10/12/2006 Time Sampled: 10:00 Sample Matrix: Solid	TEST METHOD PARAMETER/TEST DESCRIPTION	7471A Mercury (CVAA) Solids Mercury, Solid	* In Description = Dry Wgt.

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LABORATORY TEST RESULTS  Job Number: 249132  Date:10/27/2006	ngineers, Inc. ATIN: David Brewer	Sample ID: 102CSSS101 Laboratory Sample ID: 249132-29 led: 10/12/2006 Date Received: 10/13/2006 Time Received: 10:00	PARAMETER/TEST DESCRIPTION SAMPLE RESULT Q FLAGS MDL RL DILUTION UNITS BATCH DT DATE/TIME TECH	% Solids Determination       97.8       0.10       0.10       1       %       191285       10/13/06 2039 clb         % Moisture, Solid       2.2       0.10       1       %       191285       10/13/06 2039 clb	Mercury (CVAA) Solids         0.017         B         0.0062         0.034         1         mg/Kg         191485         10/17/06 1022         daj	Metals Analysis (ICAP Trace) 4700 Copper, Solid* Lead, Solid* 197568 10/18/06 2000 tds 10/18/06 2000 tds 10/18/06 2000 tds 10/18/06 2000 tds 11.9 1 mg/Kg 197568 10/18/06 2000 tds 10/18/06 2000 tds	
Job Number: 249	CUSTOMER: SCS Engineers, Inc.	Customer Sample ID: 102C: Date Sampled: 10/11 Time Sampled: 11:43 Sample Matrix: Soil	TEST METHOD PARAN	Method % Solids Detern % Solids, Solid	7471A Mercury (CVAA)	6010B Metals Analysis Copper, Solid* Lead, Solid* Zinc, Solid*	

\* In Description = Dry Wgt.

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LABORATORY TEST RESULTS  Date:10/27/2006	PROJECT: GSA - SLOP	Laboratory Sample ID: 249132-30 Date Received: 10:00 Time Received: 10:00	SAMPLE RESULT   Q FLAGS   NDL   DILUTION UNITS   BATCH   DT   DATE/IIME   TECH	88.4 0.10 1 % 191285 10/13/06 2042 clb 11.6 0.10 1 % 191285 10/13/06 2042 clb	ND         U         T50         1000         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U         T70         1000         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U         T2         500         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U         T2         500         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U         T6         500         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U         T6         500         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U         T2         500         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U         T2         500         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U         T60         5.00000         ug/kg         192059         10/26/06 0108         san           ND         U	0.10 0.0069 0.037 1 mg/Kg 191485 10/17/06 1024 daj	· Page 32
ABORATORY	: GSA	Customer Sample ID: 102CSSS102 Date Sampled: 10/12/2006 Time Sampled: 12:00 Sample Matrix: Soil	RESULT a	Method % Solids Determination % Solids, Solid 88.4 88.4 % Moisture, Solid 11.6		7471A Mercury (CVAA) Solids Mercury, Solid*	* In Description = Dry Wgt.

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	Job Number: 249132	ABORATORY	E S	T RESUL	S ⊢		Date:1	Date:10/27/2006		
CUSTOMER: SCS	SCS Engineers, Inc.	PROJECT:	GSA - SI	3L0P			ATTN:	David Bre	Brewer	
Custome Date Sa Time Sa Sample 1	Customer Sample ID: 102CSSS103 Date Sampled: 10/12/2006 Time Sampled: 12:15 Sample Matrix: Soil		Labor Date   Time	Laboratory Sample ID: Date Received Time Received	D: 249132-31 .: 10/13/2006 .: 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	JQW	<b>KI</b>	DILUTION	SLINN	ВАТСН	DT DATE/TIME	IME TECH
82700	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* Benzo(b)fluoranthene, 3541 Low Solid* Benzo(k)fluoranthene, 3541 Low Solid* Benzo(a)pyrene, 3541 Low Solid* Dibenzo(a,h)anthracene, 3541 Low Solid* Indeno(1,2,3~cd)pyrene, 3541 Low Solid* Benzo(a,h)anthracene, 3541 Low Solid* Benzo(a,h)anthracene, 3541 Low Solid* Benzo(a,h)anthracene, 3541 Low Solid* Benzo(a,h)anthracene, 3541 Low Solid*	ND 75 62 310 3300 2200 1700 1700 1700 1700 1700 1700 17	* 0.0 EE	% % % % % % % % % % % % % % % % % % %	81 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83	\$2.00000 \$2.00000 \$2.00000 \$2.00000 \$2.00000 \$2.00000 \$2.00000 \$2.00000 \$2.00000 \$2.00000 \$2.00000 \$2.00000	64 64 64 64 64 64 64 64 64 64 64 64 64 6	191987 191987 191987 191987 191987 191987 191987 191987 191987	10/20/86 10/20/86 10/20/86 10/20/86 10/20/86 10/20/86 10/20/86 10/20/86 10/20/86 10/20/86 10/20/86	1623 gtr 1623 gtr
Method	<pre>% Solids Determination % Solids, Solid % Moisture, Solid</pre>	91.6		0.10	0.10	for fam	% %	191285	10/13/06 10/13/06	2045 clb
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.15		2900.0	0.036	- Comm	mg/Kg	191485	10/17/06	10/17/06 1026 daj
6010B	Metals Analysis (ICAP Trace) Lead, Solid*	2900		0.25	0.50	e	mg/Kg	191568	10/18/06	10/18/06 2004 tds
	* In Description = Dry Wgt.		Page 33							

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	Job Number: 249132	LABORATORY	<u>—</u> П	T RESUL	S 1	**************************************	Date:10	Date:10/27/2006	ACCOUNTS AND ADDRESS AND ADDRE	ALVINE GALVATOR AND AND AND AND AND AND AND AND AND AND
CUSTOMER: SCS	CUSTOMER: SCS Engineers, Inc.	PROJECT:	GSA - SLOP	ОР			ATTN	David Brewer		
Custome Date Sa Time Sa Sample	Customer Sample ID: 102CSSS104 Date Sampled: 10/12/2006 Time Sampled: 12:25 Sample Matrix: Soil		Labor Date Time	aboratory Sample ID: Date Received: Time Received	0: 249132–32 .: 10/13/2006 .: 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	Ja	4	DILUTION	UNITS	ВАТСН	DT DATE/TIME	IME TECH
82700	Semivolatile Organics Naphthalene, 3541 Low Solid* Acenaphthylene, 3541 Low Solid* Acenaphthene, 3541 Low Solid* Fluorene, 3541 Low Solid* Fluorene, 3541 Low Solid* Anthracene, 3541 Low Solid* Fluoranthene, 3541 Low Solid* Pyrene, 3541 Low Solid* Benzo(a)anthracene, 3541 Low Solid* Benzo(b)fluoranthene, 3541 Low Solid* Benzo(b)fluoranthene, 3541 Low Solid* Benzo(c)fluoranthene, 3541 Low Solid* Indeno(1,2,3-cd)pyrene, 3541 Low Solid* Benzo(a)pyrene, 3541 Low Solid* Benzo(a)pyrene, 3541 Low Solid* Benzo(a)pyrene, 3541 Low Solid* Benzo(a)h)anthracene, 3541 Low Solid* Benzo(a)h)anthracene, 3541 Low Solid* Benzo(di)perylene, 3541 Low Solid*	3000 8200 6300 10000 110000 120000 110000 48000 50000 17000 4000 23000	* 55 I	77 70 68 68 77 67 70 70 71 71 72 88 72 72 72 72 72 73	360 360 360 360 360 360 360 360 360 360	10.00000 10.00000 10.00000 10.00000 100.0000 100	64/69 64/69 64/69 64/69 64/69 64/69 64/69 64/69 64/69	191987 191987 191987 191987 191987 191987 191987 191987 191987 191987 191987 191987	10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/24/06 110/24/06 110/20/06 110/20/06 110/20/06	1725 9tr 1725 9tr 1725 9tr 1725 9tr 2010 9tr 2010 9tr 2010 9tr 1725 9tr 1725 9tr 1725 9tr 1725 9tr 1725 9tr
Method	% Solids Determination % Solids, Solid % Moisture, Solid	89.3 10.7		0.10	0.10	<i>-</i>	% %	191285 191285	10/13/06	2048 clb 2048 clb
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.12		0.0068	0.037	_	mg/Kg	191485	10/17/06	10/17/06 1028 daj
6010B	Metals Analysis (ICAP Trace) Lead, Solid*	2300		0.27	0.54	_	mg/Kg	191568	10/18/06	10/18/06 2009 tds
	* In Description = Dry Wgt.	ă.	Page 34							

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	Job Number: 249132	ABORATORY	T E S	T RESUL	S		Date:10	Date:10/27/2006		
CUSTOMER: SCS	SCS Engineers, Inc.	PROJECT:	GSA - SL	SLOP			ATTN:	David Brewer	Wer	
Custome Date Sa Time Sa Sample	Customer Sample ID: 102CSSS105 Date Sampled: 10/12/2006 Time Sampled: 12:45 Sample Matrix: Soil		Labor Date Time	Laboratory Sample ID: Date Received	D: 249132-33 .: 10/13/2006 .: 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a FLAGS	MDL	RL.	DILUTION	UNITS	BATCH D	DT DATE/TIME	ЕТЕСН
8270¢	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* Benzo(b)fluoranthene, 3541 Low Solid* Benzo(b)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(a,h)anthracene, 3541 Low Solid* Benzo(a,h)anthracene, 3541 Low Solid* Benzo(a,h)anthracene, 3541 Low Solid* Benzo(a,h)anthracene, 3541 Low Solid*	ND 3.1 2.4 2.4 2.5 2.5 2.0 2.5 2.0 5.10 5.10 5.10 5.10 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.	* ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	777776 27776 27776 27776 27776	33 33 33 33 33 33 33 33 33 33 33 33 33	1.00000 0.0000 0.0000 0.000000	60 00 00 00 00 00 00 00 00 00 00 00 00 0	191987 191987 191987 191987 191988 191988 191987 191987 191987 191987	10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06	1746 911 1746 911
Method	% Solids Determination % Solids, Solid % Moisture, Solid	88.8 11.2		0.10	0.10	~ ~	% %	191285	10/13/06 2	2051 clb 2051 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	₽~ <b>₽</b> ~	mg/Kg mg/Kg mg/Kg	191568 191568 191568	10/18/06 2 10/18/06 2 10/18/06 2	2013 tds 2013 tds 2013 tds
	* In Description = Dry Wgt.	ă ă	Page 35							

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CUSTOMER: SCS	Job Number: 249132 SCS.Engineers, Inc.	ABORATORY PROJECT:	TEST GSA - SLOP	T RESUL	8		Date:10	Date:10/27/2006 ATTN: David Brewer	, L		
Custome Date Sai Time Sai Sample i	(合)			Laboratory Sample ID: Date Received	ID: 249132-34 : 10/13/2006 : 10:00						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDE	K.	DILUTION	UNITS	ВАТСН	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* Pyrene, 3541 Low Solid* Benzo(a)anthracene, 3541 Low Solid* Benzo(b)fluoranthene, 3541 Low Solid* Benzo(b)fluoranthene, 3541 Low Solid* Indeno(1,2,3-cd)pyrene, 3541 Low Solid* Dibenzo(a,h)anthracene, 3541 Low Solid* Benzo(a)pyrene, 3541 Low Solid* Benzo(a)pyrene, 3541 Low Solid* Benzo(a)pyrene, 3541 Low Solid* Benzo(a)h)anthracene, 3541 Low Solid* Benzo(a)h)anthracene, 3541 Low Solid*	42 61 870 660 11000 13000 13000 7300 6700 7300 6200 3800 920 4800	# EE	522 33 33 34 44 45 45 45 45 45 45 45 45 45 45 45 45	071 071 071 071 071 071 071 071	5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000	6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 % 6 %	191987 191987 191987 191987 191987 191987 191987 191987 191987	10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06 10/20/06	1807 1807 1807 1807 1807 1807 1807 1807	
Method	% Solids Determination % Solids, Solid % Moisture, Solid	93.4		0.10	0.10	how how	× ×	191285 191285	10/13/06 10/13/06	2053	913 913
7471A	Mercury (CVAA) Solids Mercury, Solid*	0.87		0.065	0.35	10	mg/Kg	191485	10/17/0	10/17/06 1050 daj	Jaj
60108	Metals Analysis (ICAP Trace) Lead, Solid*	1300		0.24	0.49	-	mg/Kg	191568	10/18/0	10/18/06 2018 tds	tds.
, who have the same that the s	* In Description = Dry Wgt.	<u> </u>	Page 36		The state of the s	The state of the s				-	

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			E TECH	2056 ctb 2056 ctb	0140 san 0140 san	044 daj	
	ver.		r DATE/TIME	10/13/06	10/26/06 10/26/06 10/26/06 10/26/06 10/26/06 10/26/06 10/26/06 10/26/06	10/17/06 1044 daj	
Date:10/27/2006	David Brewer		ВАТСН ОТ	191285 191285	192059 192059 192059 192059 192059 192059 192059 192059 192059	191485	
Date:1	ATTN:		UNITS	% %	8 / 6 n n n n n n n n n n n n n n n n n n	mg/Kg	
			DILUTION		5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000 5.00000		
s ⊢		ID: 249132-35 : 10/13/2006 : 10:00	<b>K</b>	0.10 0.10	1000 500 500 500 1200 1000 1000 1000	0.033	
STRESUL	SLOP	Laboratory Sample Date Received Time Received	MDF	0,10 0,10	150 170 170 25 25 28 28 20 130 150 160	0.0061	
<b>⊢</b>	GSA - SI	Lal Da: Ti	Q FLAGS		2222222222		Page 37
ABORATOR)	PROJECT		SAMPLE RESULT	99.8 0.20	<u> </u>	0.086	
Job Number: 249132	SCS Engineers, Inc.	Customer Sample ID: 102CSSS107 Date Sampled: 10/12/2006 Time Sampled: 13:05 Sample Matrix: Soil	PARAMETER/TEST DESCRIPTION	% Solids Determination % Solids, Solid % Moisture, Solid	Explosives by 8330 (HPLC) HMX, Solid RDX, Solid 1,3,5-Trinitrobenzene, Solid 1,3-Dinitrobenzene, Solid Nitrobenzene, Solid 2,4,6-TNT, Solid 2,4-Dinitrotoluene, Solid 2,6-Dinitrotoluene, Solid 2,6-Dinitrotoluene, Solid 2-Amino-4,6-Dinitrotoluene, Solid 4-Amino-2,6-Dinitrotoluene, Solid 2-Nitrotoluene, Solid 4-Nitrotoluene, Solid 3-Nitrotoluene, Solid	Mercury, Solid*	★ In Description = Dry Wgt.
<b>-</b> 7	CUSTOMER: SCS E	Customer Date Samp Time Samp Sample Ma	TEST METHOD	Method	8330	7471A	

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LABORATORY TEST RESULTS  Job Number: 249132  Date:10/27/2006  SCS. Engineers, Inc.  ATTN: David Brewer	Laboratory Sample ID: 249132-36 2/2006 Date Received: 10/13/2006 O Time Received: 10:00	PARAMETER/TEST DESCRIPTION SAMPLE RESULT   Q FLAGS   MDL   DILUTION UNITS BATCH   DATE/TIME   TECH	Semivolatile Organics         24         J a*         7.0         35         1.00000         ug/kg         191987         10/20/06 1828 glr           Naphthalene, 3541 Low Solid*         59         4.0         5.0         35         1.00000         ug/kg         191987         10/20/06 1828 glr           Acenaphthylene, 3541 Low Solid*         210         6.9         35         1.00000         ug/kg         191987         10/20/06 1828 glr           Fluorene, 3541 Low Solid*         2800         6.7         35         1.00000         ug/kg         191987         10/20/06 1828 glr           Anthracene, 3541 Low Solid*         2800         6.7         35         1.00000         ug/kg         191987         10/20/06 1828 glr           Pyrene, 3541 Low Solid*         350         1.00000         ug/kg         191987         11/22/06 1828 glr           Pyrene, 3541 Low Solid*         270         6.9         350         1.00000         ug/kg         191987         11/22/06 1828 glr           Benzo(a) anthracene, 3541 Low Solid*         250         6.9         35         1.00000         ug/kg         191987         10/20/06 1828 glr           Benzo(b) fucranthene, 3541 Low Solid*         250         1.00000         ug/kg         19987         10/20/06 18	% Solids Determination 91.1 0.10 0.10 1 % 191285 10/13/06 2059 clb % Noisture, Solid 8.9 0.10 0.10 1 % 191285 clb	Metals Analysis (ICAP Trace)  Arsenic, Solid*  Lead, Solid*  1.1	* In Description = Dry Wgt.
Job Number	Customer Sample ID: 102c Date Sampled 10/1, Time Sampled 13:3 Sample Matrix Soil	TEST METHOD	8270c Semivolat Naphthale Acenaphth Acenaphth Fluorene, Phenanthr Anthracer Fluorene, 3 Benzo(a)a (chrysene, 1 Benzo(b)f Benzo(k)f	Method % Solids % Solids, % Solids, % Moistur	6010B Metals Ar Arsenic, Lead, Sol	* In

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## LABORATORY CHRONICLE

Job Number: 249132 Date: 10/27/2006

						,,		
CUSTOMER: SCS Eng	ineers, Inc. PROJEC	T: GSA -	SLOP		,	ATTN: David Brev	ver	
Lab ID: 249132-1 METHOD	Client ID: 102FLOOR2WS101 DESCRIPTION	RUN#	cvd: 10/ BATCH#	13/2006 PREP BT	Sample #(S)	Date: 10/11/200 DATE/TIME ANA		DILUTION
EDD 3550B 8082	Electronic Data Deliverable Extraction Ultrasonic (PCBs) PCB Analysis	1 1 1	191290 192097	191290		10/15/2006 10/16/2006	1045 2200	1.00000
Lab ID: 249132-2 METHOD	Client ID: 102FL00R2WS102 DESCRIPTION	RUN#	BATCH#	13/2006 PREP BT		Date: 10/11/200 DATE/TIME AN/	ALYZED	DILUTION
3550B 8082	Extraction Ultrasonic (PCBs) PCB Analysis	1 1	191290 192097	191290		10/15/2006 10/16/2006	1045 2230	10.0000
Lab ID: 249132-3 METHOD 3550B	Client ID: 102FLOOR2WS103 DESCRIPTION Extraction Ultrasonic (PCBs)	RUN# 1	BATCH# 191290	PREP BT		Date: 10/11/200 DATE/TIME ANA 10/15/2006	ALYZED 1045	DILUTION
8082	PCB Analysis	1		191290		10/16/2006	2331	1.00000
Lab ID: 249132-4 METHOD 3550B	Client ID: 102FLOOR2WS104 DESCRIPTION Extraction Ultrasonic (PCBs)					Date: 10/11/200 DATE/TIME ANA 10/15/2006		DILUTION
8082	PCB Analysis	i		191290		10/17/2006	0001	1.00000
Lab ID: 249132-5 METHOD 3550B	Client ID: 102FL00R2WS105 DESCRIPTION Extraction Ultrasonic (PCBs)			'13/2006 PREP BT		Date: 10/11/200 DATE/TIME ANA 10/15/2006		DILUTION
8082	PCB Analysis	1		191290		10/13/2006	0031	10.0000
Lab ID: 249132-6 METHOD 3550B	Client ID: 102FLOOR2WS106 DESCRIPTION Extraction Ultrasonic (PCBs)	Date Re RUN# 1	ecvd: 10/ BATCH# 191290	13/2006 PREP BT	Sample #(S)	Date: 10/11/200 DATE/TIME AND 10/15/2006		DILUTION
8082	PCB Analysis	1	192097	191290		10/17/2006	0141	1.00000
Lab ID: 249132-7 METHOD 3550B	Client ID: 102FL00R2WS107 DESCRIPTION Extraction Ultrasonic (PCBs)	Date Re RUN# 1	BATCH# 191290	PREP BT	Sample #(S)	Date: 10/11/200 DATE/TIME ANA 10/15/2006	ALYZED 1045	DILUTION
8082	PCB Analysis	1	192097	191290		10/17/2006	0211	1.00000
Lab ID: 249132-8 METHOD 3550B	Client ID: 102FLOOR2WS108 DESCRIPTION Extraction Ultrasonic (PCBs)			13/2006 PREP BT		Date: 10/11/200 DATE/TIME ANA 10/15/2006		DILUTION
8082	PCB Analysis	1		191290		10/17/2006	0242	10.0000
Lab ID: 249132-9 METHOD 3550B	Client ID: 102FLOOR2WS109 DESCRIPTION Extraction Ultrasonic (PCBs)	Date Re RUN# 1	ecvd: 10/ BATCH# 191290	'13/2006 PREP BT	Sample #(S)	Date: 10/11/200 DATE/TIME AND 10/15/2006		DILUTION
8082	PCB Analysis	1		191290		10/17/2006	0342	1.00000
Lab ID: 249132-10 METHOD	DESCRIPTION	RUN#	BATCH#	13/2006 PREP BT	•	Date: 10/11/200 DATE/TIME ANA	ALYZED	DILUTION
3550B 8082	Extraction Ultrasonic (PCBs) PCB Analysis	1	191290 192097	191290		10/15/2006 10/17/2006	1045 0413	1.00000
Lab ID: 249132-11 METHOD 7471A	DESCRIPTION Mercury (CVAA) Solids	RUN# 1	BATCH# 191932	'13/2006 PREP BT 192015			ALYZED 1504	DILUTION
7470/7471	SW846 Digestion (Hg)	1	192015	(A.Z. (D.C.)		, ,	1115	
Lab ID: 249132-12 METHOD 7471A	Client ID: 102FLOOR2PC111 DESCRIPTION Mercury (CVAA) Solids		BATCH#	13/2006 PREP BT 191484		Date: 10/12/200 DATE/TIME ANA 10/17/2006		DILUTION 50

job	L A B O R Number: 249132	ATORY CHRONICLE Date: 10/27/2006
CUSTOMER: SCS Eng	ineers, Inc.	PROJECT: GSA - SLOP ATTN: David Brewer
METHOD	Client ID: 102FL00R2PC111 DESCRIPTION SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191484 10/17/2006 0600
METHOD 7471A	Client ID: 102FL00R2WS112 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191932 192015 10/19/2006 1506 1 192015 10/19/2006 1115
METHOD 7471A	Client ID: 102FL00R2PC112 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191485 191484 10/17/2006 1001 20 1 191484 10/17/2006 0600
METHOD 7471A	Client ID: 102FLOOR1WS113 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191932 192015 10/19/2006 1508 1 192015 10/19/2006 1115
METHOD 7471A	Client ID: 102FL00R1PC113 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191485 191484 10/17/2006 1003 20 1 191484 10/17/2006 0600
METHOD 7471A	Client ID: 102FL00R1WS114 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191932 192015 10/19/2006 1535 10 1 192015 10/19/2006 1115
METHOD	Client ID: 102FL00R1PC114 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191485 191484 10/17/2006 1005 100 1 191484 10/17/2006 0600
METHOD 7471A	Client ID: 102DFLOOR2WS115 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191932 192015 10/19/2006 1517 1 192015 10/19/2006 1115
Lab ID: 249132-20 METHOD 7471A 7470/7471	Client ID: 102DFLOOR2PC115 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191485 191484 10/17/2006 1007 10 1 191484 10/17/2006 0600
Lab ID: 249132-21 METHOD 7471A 7470/7471	Client ID: 102DFLOOR1WS116 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191932 192015 10/19/2006 1519 1 192015 10/19/2006 1115
METHOD	Client ID: 102DFLOOR1PC116 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191485 191484 10/17/2006 1014 50 1 191484 10/17/2006 0600
·	Client ID: 102DFLOOR1WS117 DESCRIPTION Mercury (CVAA) Solids	Date Recvd: 10/13/2006 Sample Date: 10/12/2006 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION 1 191932 192015 10/19/2006 1521

Job	L A B Number: 249132	ORATORY CH	RONICLE		10/27/2006	
CUSTOMER: SCS Eng	ineers, Inc.	PROJECT: GSA -	SLOP	,	ATTN: David Brewer	
Lab ID: 249132-23 METHOD 7470/7471	Client ID: 102DFLOOR1WS117 DESCRIPTION SW846 Digestion (Hg)		cvd: 10/13/20 BATCH# PREP 192015		Date: 10/12/2006 DATE/TIME ANALYZED 10/19/2006 1115	DILUTION
Lab ID: 249132-24 METHOD 7471A 7470/7471	Client ID: 102DFLOOR1PC117 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)		cvd: 10/13/20 BATCH# PREP 191485 1914 191484	BT #(S)	Date: 10/12/2006 DATE/TIME ANALYZED 10/17/2006 1016 10/17/2006 0600	DILUTION 100
Lab ID: 249132-25 METHOD 7471A 7470/7471	Client ID: 102EFLOOR2WS118 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)		cvd: 10/13/20 BATCH# PREF 191932 1920 192015	BT #(S)	Date: 10/12/2006 DATE/TIME ANALYZED 10/19/2006 1523 10/19/2006 1115	DILUTION
Lab ID: 249132-26 METHOD 7471A 7470/7471	Client ID: 102EFLOOR2PC118 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)		cvd: 10/13/20 BATCH# PREP 191485 1914 191484	BT #(S)	Date: 10/12/2006 DATE/TIME ANALYZED 10/17/2006 1018 10/17/2006 0600	DILUTION 10
METHOD	Client ID: 102EFLOOR1WS119 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)		cvd: 10/13/20 BATCH# PREP 191932 1920 192015	BT #(S)	Date: 10/12/2006 DATE/TIME ANALYZED 10/19/2006 1526 10/19/2006 1115	DILUTION
Lab ID: 249132-28 METHOD 7471A 7470/7471	Client ID: 102EFLOOR1PC119 DESCRIPTION Mercury (CVAA) Solids SW846 Digestion (Hg)	Date Re RUN# 1 1	cvd: 10/13/20 BATCH# PREP 191485 1914 191484	BT #(S)	Date: 10/12/2006 DATE/TIME ANALYZED 10/17/2006 1020 10/17/2006 0600	DILUTION 50
Lab ID: 249132-29 METHOD Method 3050B 7471A 6010B 7470/7471	Client ID: 102CSSS101 DESCRIPTION % Solids Determination Acid Digestion: Solids (ICAP) Mercury (CVAA) Solids Metals Analysis (ICAP Trace) SW846 Digestion (Hg)		cvd: 10/13/20 BATCH# PREP 191285 1912 191439 191485 1914 191568 1914	BT #(S) 85 84	Date: 10/12/2006  DATE/TIME ANALYZED 10/13/2006 2039 10/17/2006 1920 10/17/2006 1022 10/18/2006 2000 10/17/2006 0600	DILUTION
METHOD Method	Client ID: 102CSSS102 DESCRIPTION % Solids Determination	RUN# 1	cvd: 10/13/20 BATCH# PREP 191285 1912	BT #(S)	Date: 10/12/2006 DATE/TIME ANALYZED 10/13/2006 2042	DILUTION
8330 8330 7471A 7470/7471	8330 Extraction (Explosives) Explosives by 8330 (HPLC) Mercury (CVAA) Solids SW846 Digestion (Hg)	1 1 1	191908 192059 1919 191485 1914 191484		10/24/2006 1415 10/26/2006 0108 10/17/2006 1024 10/17/2006 0600	5.00000
Lab ID: 249132-31 METHOD Method 3050B 3541 7471A 6010B 7470/7471	DESCRIPTION % Solids Determination Acid Digestion: Solids (ICAP) Extraction Soxhlet (SVOC) Mercury (CVAA) Solids Metals Analysis (ICAP Trace) SW846 Digestion (Hg)	RUN# 1 1 1 1 1	191285 1912 191439 191434 191485 1914 191568 1914 191484	8T #(S) 85 84 39	Date: 10/12/2006  DATE/TIME ANALYZED 10/13/2006 2045 10/17/2006 1920 10/17/2006 1730 10/17/2006 1026 10/18/2006 2004 10/17/2006 0600	DILUTION
8270C Lab ID: 249132-32 METHOD Method	Semivolatile Organics  Client ID: 102CSSS104  DESCRIPTION  % Solids Determination		191987 1914 cvd: 10/13/20 BATCH# PREP 191285 1912	06 Sample BT #(S)	10/20/2006 1623  Date: 10/12/2006  DATE/TIME ANALYZED 10/13/2006 2048	5.00000 DILUTION

Job	Number: 249132	LABORATORY	C H	RONI	CLE	Date:	10/27/2006		
CUSTOMER: SCS Eng	ineers, Inc.	PROJECT:	GSA -	SLOP			ATTN: David Br	ewer	
Lab ID: 249132-32				ecvd: 10/	13/2006 PREP BT		Date: 10/12/20 DATE/TIME A		DILUTION
METHOD 3050B	DESCRIPTION Acid Digestion: Solids	(TCAP)	1	191439	rker bi	#(3)	10/17/2006	1920	DILOTIO
3541	Extraction Soxhlet (SVO		1	191434			10/17/2006	1730	
7471A	Mercury (CVAA) Solids	<b>C7</b>	1	191485	191484		10/17/2006	1028	
6010B	Metals Analysis (ICAP T	race)	1	191568			10/18/2006	2009	
7470/7471	SW846 Digestion (Hg)	1 400)	1	191484	17 (14)		10/17/2006	0600	
8270c	Semivolatile Organics		1		191434		10/20/2006	1725	10.0000
8270c	Semivolatile Organics		1		191434		10/24/2006	2010	100.000
_ab ID: 249132-33	Client ID: 102CSSS105			cvd: 10/			Date: 10/12/2		
METHOD	DESCRIPTION		RUN#		PREP BT	#(S)	DATE/TIME A		DILUTIO
Method	% Solids Determination		1		191285		10/13/2006	2051	
3050B	Acid Digestion: Solids		1	191439			10/17/2006	1920	
3541	Extraction Soxhlet (SVO		1	191434			10/17/2006	1730	
6010B	Metals Analysis (ICAP T	race)	1		191439		10/18/2006	2013	
8270c	Semivolatile Organics		1	191987	191434		10/20/2006	1746	1.00000
ab ID: 249132-34					13/2006		Date: 10/12/2		
METHOD	DESCRIPTION				PREP BT	#(S)	DATE/TIME A		DILUTIO
Method	% Solids Determination		1	191285	191285		10/13/2006	2053	
3050B	Acid Digestion: Solids		1	191439			10/17/2006	1920	
3541	Extraction Soxhlet (SVO	()	1	191434	404707		10/17/2006	1730	10
7471A	Mercury (CVAA) Solids		1		191484		10/17/2006	1050 2018	10
6010B	Metals Analysis (ICAP T	race)	1		191439		10/18/2006	0600	
7470/7471	SW846 Digestion (Hg)		1	191484	404/7/		10/17/2006		5.00000
8270c	Semivolatile Organics		1		191434		10/20/2006	1807 2035	10,0000
8270c	Semivolatile Organics		1	191987	191434		10/24/2006	2035	10,0000
ab ID: 249132-35				cvd: 10/			Date: 10/12/2 DATE/TIME A		DILUTIC
METHOD	DESCRIPTION				PREP BT	#(5)	10/13/2006	2056	DIFOIT
Method	% Solids Determination	2	1	191908	191285			1415	
8330	8330 Extraction (Explos	ives)	1		191908		10/24/2006 10/26/2006	0140	5,00000
8330	Explosives by 8330 (HPL	C)	1		191484		10/26/2006	1044	٥,0000
7471a 7470/7471	Mercury (CVAA) Solids SW846 Digestion (Hg)		1	191484	171404		10/17/2006	0600	
.ab ID: 249132-36	Client ID: 102CSSS108		Date Re	cvd: 10/	13/2006	Sample	Date: 10/12/2	006	
METHOD	DESCRIPTION		RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTIO
Method	% Solids Determination		1	191285	191285		10/13/2006	2059	
3050B	Acid Digestion: Solids	(ICAP)	1	191439			10/17/2006	1920	
3541	Extraction Soxhlet (SVO	c)	1	191434			10/17/2006	1730	
6010B	Metals Analysis (ICAP T	race)	1	191568	191439		10/18/2006	2043	
8270c	Semivolatile Organics		1		191434		10/20/2006	1828	1.00000
8270c	Semivolatile Organics		1	191987	191434		10/24/2006	2100	10.0000
	-						· ·		

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SURROGATE RECOVERIES REPORT

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA — SLOP

ATTN: David Brewer

	hod hod Code.	: PCB Analysis : 8082			: Wipe : 192097	Prep Batch: 191290
Lab ID	DT	Sample ID	Date	DCB	тсх	
LCD		ALL AND ALL AND AND AND AND AND AND AND AND AND AND	10/16/2006	85	92	
LCS			10/16/2006	89	94	
MB			10/16/2006	87	87	
249132- 1		102FL00R2WS101	10/16/2006	85	91	
249132- 2		102FL00R2WS102	10/16/2006	106	91	
249132- 3		102FL00R2WS103	10/16/2006	85	88	
249132- 4		102FL00R2WS104	10/17/2006	87	92	
249132- 5		102FL00R2WS105	10/17/2006	110	86	
249132- 6		102FL00R2WS106	10/17/2006	83	84	
249132- 7		102FLOOR2WS107	10/17/2006	88	91	
249132~ 8		102FL00R2WS108	10/17/2006	106	92	
249132- 9		102FL00R2WS109	10/17/2006	89	92 89	
249132- 10		102FLOOR2WS110	10/17/2006	87	89	
Test	Test Des	scription	Limits			
DCB	Decachlo	probiphenyl (surr)	56 - 178			
TCX		orommenyt (surr)	58 - 119			

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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

			: Semivolatile Organics : 8270		Test M Batch					Low Solid 87	Prep Batch: 191434
Lab ID		DT	Sample ID	Date	è	2F	LUBP	NI	TRD5	TERD14	
_cs				10/18/2	2006		62		21*	95	
1B				10/18/2			78		82	88	
249132- 31			102csss103	10/20/2			73		35	90	
249132- 31			102csss103	10/20/2			80		73	95	
249132- 31	MSD		102csss103	10/20/2			81		69	98	
249132- 32			102csss104	10/20/2			84		56	115	
249132- 32		D1	102csss104	10/24/2		0	D	0	D	0 D	
249132- 33			102csss105	10/20/2	2006		52		26*	87	
249132- 34			102csss106	10/20/2	2006		78		56	96	
249132- 34		D1	102csss106	10/24/2	2006		90		64	120*	
249132- 36			102csss108	10/20/2	2006		56		53	84	
249132- 36		D1	102csss108	10/24/2	2006		79		67	115	
Test	Test	Des	cription	Limits							
FLUBP	2-FL	ioro	biphenyl (surr)	44 - 103							
ITRD5	Nitro	ben	zene-d5 (surr)	34 - 100							
TERD14	Terpi	eny	t-d14 (surr)	41 - 116							

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SURROGATE RECOVERIES REPORT

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: David Brewer

	hod hod Code.	: Explosives by 8330 (HP: 8330		st Matrix: Solid cch(s): 192059	Prep Batch: 191908
Lab ID	TQ	Sample ID	Date	12DNBZ	
LCS MB 249132- 30 249132- 35		102csss102 102csss107	10/26/200 10/26/200 10/26/200 10/26/200	06 97 06 116	
Test	32- 35 102csss107		Limits		
12DNBZ	1,2-Dini	trobenzene (surr)	80 - 121		

Lab ID

Dilution Factor

Date

Time

Job Number.: 249132 Report Date.: 10/27/2006

Reag. Code

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

Test Method.....: 8082 Analyst...: bjt

Method Description.: PCB Analysis

Description

QC Type

LCD Laboratory Control Sam	ple Duplicat	e 06JI	ILPCBA	191290-003		10	/16/2006 2130
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 R 30
Aroclor 1260, Wipe	ug/Wipe	4.431800	4.594500	5,010000	0.320000 U	88 4	% 67-115 R 30

Job Number.: 249132

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

QC Type

Description

Reag. Code

Lab ID

Dilution Factor

Date

Time

Test Method.....: 8082 Equipment Code...: INST3738 Analyst...: bjt
Method Description: PCB Analysis Batch.....: 192097

LCS Laboratory Control Sample O6JWLPCBA 191290-002 10/16/2006 2059 Units QC Result QC Result True Value Orig. Value QC Calc. \* Limits Parameter/Test Description Aroclor 1016, Wipe Aroclor 1260, Wipe ug/Wipe ug/Wipe 0.320000 U 91 % 4.527000 5.001000 62-108 5.010000 0.320000 U 92 % 67-115 4.594500

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

Equipment Code....: INST3738

Analyst...: bjt

Test Method.....: 8082 Method Description.: PCB Analysis

Batch..... 192097

MB Method Blank				191290-001			10	/16/	2006 202	29
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Va	lue	QC Calc.	*	Limits	F
Aroclor 1016, Wipe	ug/Wipe	0.320000 U		M					American de la constitución de l	
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 ป								

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

Description QC Type

Dilution Factor

Date Time

Test Method.....: 8330

Reag. Code

Lab ID

Analyst...: san

Method Description.: Explosives by 8330 (HPLC)

Equipment Code...: INST3536 Batch....: 192059

LCS Laboratory Control Same	ple	006	JWL833D	191908-002		10/26,	2006 0035
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value QC Calc	. *	Limits
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	%	8 <del>9-</del> 115

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type

Description Reag. Code Dilution Factor

Date

Time

Test Method.....: 8330

Analyst...: san

Method Description.: Explosives by 8330 (HPLC)

Equipment Code...: INST3536 Batch....: 192059

Lab ID

											.1.		انستنت
Parameter/Test Description	Units	QC Result		QC Result	True	e 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	Ü										
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	IJ										
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

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

Description QC Type

Dilution Factor

Date Time

Test Method.....: 82700

Reag. Code

Lab ID

Method Description.: Semivolatile Organics

Equipment Code...: GCL11
Batch......191987

Analyst...: glr

LCS Laboratory Control Sample	e	1190	VLBLKB	191434-002	10	)/18/	2006 194	7
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	<del>*</del>
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	

Reag. Code

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN: Dilution Factor

Time

Test Method.....: 82700

QC Type

Method Description.: Semivolatile Organics

Description

Equipment Code...: GCL11

Lab ID

Analyst...: glr

Date

Batch..... 191987

MB Method Blank					191434-001				10/	18/	2006 173	52
Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig.	Value	QC Ca	alc.	*	Limits	F
Naphthalene, 3541 Low Solid	ug/Kg	6.600								***** ****		
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	IJ									
Benzo(b)fluoranthene, 3541 Low Solid	ug/Kg	8.200	IJ									
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		6.600	U									
Dibenzo(a,h)anthracene, 3541 Low Solid		6.700	U									
Benzo(ghi)perylene, 3541 Low Solid	ug/Kg	8.900	U									

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Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

Lab ID

QC Type

Description Reag. Code Dilution Factor

Date Time

Test Method.....: 82700 Method Description.: Semivolatile Organics

Equipment Code...: GCL11 Batch..... 191987

Analyst...: glr

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	
Japhthalene, 3541 Low Solid	ug/Kg	1410.514		8778.000	34.765	U 80	% -	55-100	
cenaphthylene, 3541 Low Solid	ug/Kg	1515.664		8778.000	34.239	U 86	%	59-104	
cenaphthene, 3541 Low Solid	ug/Kg	1868.410		8778.000	74.700	J 102	%	64-100	
luorene, 3541 Low Solid	ug/Kg	1863.723		8778.000	61,550	J 103	%	61-105	
henanthrene, 3541 Low Solid	ug/Kg	5463.912		8778.000	1497.010	226	%	63-113	
nthracene, 3541 Low Solid	ug/Kg	2284.818		8778.000	310.007	112	%	53-108	
luoranthene, 3541 Low Solid	ug/Kg	7220.759		8778.000	3831.327	193	%	56-112	
yrene, 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	
enzo(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	
lenzo(a)pyrene, 3541 Low Solid	ug/Kg	4395.085		8778.000	1742.777	151	%	55-117	
ndeno(1,2,3-cd)pyrene, 3541 Low Solid	ug/Kg	3340.461		8778.000	1143.783	125	%	57~118	
ibenzo(a,h)anthracene, 3541 Low Solid	ug/Kg	2227.465		8778.000	461.067	101	%	54-121	
enzo(ghi)perylene, 3541 Low Solid	ug/Kg	3825.158		8778.000	1304.039	144	%	56-128	

Reag. Code

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

Description QC Type

Dilution Factor

Date Time

Test Method.....: 82700 Method Description.: Semivolatile Organics

Equipment Code....: GCL11

Batch..... 191987

Lab ID

Analyst...: glr

MSD Matrix Spike Duplicate		06.11	VLBLKB	249132-31	5,00000	10	/20/2006 170	5
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Valu	e QC Calc.	* Limits	F
Naphthalene, 3541 Low Solid	ug/Kg	1373.663	1410.514	9017.000	35.702	U 76	% 55-100	
Acenaphthylene, 3541 Low Solid	ug/Kg	1544.388	1515.664	9017.000	35.161	0 86 0	R 30 % 59-104 R 30	
Acenaphthene, 3541 Low Solid	ug/Kg	1725.900	1868.410	9017.000	74.700	J 92	% 64-100	
Fluorene, 3541 Low Solid	ug/Kg	1754.810	1863.723	9017.000	61.550	10 J 94 9	R 30 % 61-105 R 30	
Phenanthrene, 3541 Low Solid	ug/Kg	4112.347	5463.912	9017.000	1497.010	145	% 63-113	* *
Anthracene, 3541 Low Solid	ug/Kg	2215.277	2284.818	9017.000	310.007	44 106 6	R 30 % 53-108 R 30	ж
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	3 142 1	% 56-128 R 30	*

	Job Number.: 249132	QUAL	ITY	CON	TROL RE	SUL	T S	Repo	rt Date	e.: 1	0/27/2	006		
CUSTOMER: SC	S Engineers, Inc.		PROJE	CT: GSA	- SLOP			ATTN	: Davic	i Bre	wer			
QC Type	Descripti	on		Rea	ag. Code	Lat	o ID	Dil	ution F	acto	r	Date	Tîm	e
	: 6010B iption.: Metals Analysis	(ICAP Trace	)		Equipment Code					Ana	lyst	.: to	is	
ссв	Continuing Calibration	Blank				191568-	-016				10	/18/2	2006 16	13
Parame	eter/Test Description	Units	QC Re	sult	QC Result	True \	/alue	Orig.	Value	QC	Calc.	*	Limits	·····
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0. 0. 0.	00210 U 00210 U 00260 U 00216 B 00640 U										
ссв	Continuing Calibration	Blank				191568-	-028				10	/18/2	2006 17	26
Parame	eter/Test Description	Units	QC Re	sult	QC Result	True \	/alue	Orig.	Value	QC	Calc.	*	Limits	
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0. 0. 0.	00210 U 00210 U 00260 U 00090 U 00640 U										
CCB	Continuing Calibration	Blank				191568-	-040				10	/18/2	2006 18	40
Parame	eter/Test Description	Units	QC Re	sult	QC Result	True V	/alue	Orig.	Value	QC	Calc.	*	Limits	
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0. 0. 0.	00210 U 00210 U 00260 U 00090 U 00640 U										makeus to
ССВ	Continuing Calibration	Blank				191568-	-048				10	/18/2	2006 19	32
Parame	eter/Test Description	Units	QC Re	sult	QC Result	True \	/alue	Orig.	Value	QC	Calc,	*	Limits	ونمت
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0. 0. 0.	00210 U 00210 U 00260 U 00197 B 00640 U		. www.aranaanaanaanaanaanaanaanaanaanaanaanaan								_
ССВ	Continuing Calibration	Blank				191568-	-060				10	/18/2	2006 20	38
Parame	eter/Test Description	Units	QC Re	sult	QC Result	True V	/alue	Orig.	Value	QC	Calc.	×	Limits	<u> </u>
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0. 0. 0.	00210 U 00210 U 00260 U 00166 B 00640 U										-

	Job Number.: 249132	QUA	LITY	€ O N	TROLR	ESULTS	Report Date.: 10/	27/2006
CUSTOMER: 5	CCS Engineers, Inc.		PROJECT	T: GSA	- SLOP		ATTN: David Brewe	ir.
QC Type	Descripti	on		Rea	ag. Code	Lab ID	Dilution Factor	Date Time
CCB	Continuing Calibration	Blank				191568-072		10/18/2006 2144
Para	nmeter/Test Description	Units	QC Resu	ult	QC Result	True Value	Orig. Value QC Ca	ılc. * Limits
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0.00 0.00 0.00	0210 U 0210 U 0260 U 0243 B 0640 U				
CCB	Continuing Calibration	Blank				191568-082		10/18/2006 2245
Para	mmeter/Test Description	Units	QC Resu	ult	QC Result	True Value	Orig. Value QC Ca	alc. * Limits
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0.00 0.00 0.00	0210 U 0210 U 0260 U 0090 U 0640 U				

#### QUALITY CONTROL RESULTS Job Number .: 249132 Report Date.: 10/27/2006 PROJECT: GSA - SLOP CUSTOMER: SCS Engineers, Inc. ATTN: David Brewer Lab ID Dilution Factor QC Type Description Reag. Code Date Time 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 Parameter/Test Description Units QC Result QC Result True Value Orig. Value QC Calc. Limits % 0.49965 0.50000 100 Arsenic mg/L 90-110 mg/L 0.49982 0.50000 100 % 90-110 Copper Lead mg/L 0.50410 0.50000 101 % 90-110 0.49218 0.50000 98 % 90-110 Silver mg/L 0.50000 99 90-110 Zinc mg/L 0.49291 CCV Continuing Calibration Verification MO6JCCV001 191568-027 10/18/2006 1717 Parameter/Test Description Units QC Result QC Result True Value Orig. Value QC Calc. Limits 0.50000 % 0.49845 100 90-110 mg/L Arsenic Copper mg/L 0.50114 0.50000 100 % 90-110 % mg/L 0.50451 0.50000 101 90-110 Lead Silver 0.49917 0.50000 100 90-110 mg/L mg/L 0.48986 0.50000 90-110 Zinc 98 CCV Continuing Calibration Verification MO6JCCV001 191568-039 10/18/2006 1831 Parameter/Test Description Units QC Result QC Result True Value Orig. Value QC Calc. Limits % Arsenic mg/L 0.49647 0.50000 90-110 Copper mg/L 0.50053 0.50000 100 % 90-110 0.50000 Lead mg/L 0.50290 101 % 90-110 0.50000 90-110 97 Silver mg/L 0.48299 % mg/L Zinc 0.48727 0.50000 97 90-110 Continuing Calibration Verification M06JCCV001 191568-047 10/18/2006 1923 CCV QC Result QC Result QC Calc. Parameter/Test Description Units True Value Orig. Value Limits 0.49797 0.50000 100 % 90-110 Arsenic mg/L 0.50182 0.50000 100 % 90-110 Copper mg/L 0.49386 0.50000 99 % 90-110 Lead mg/L 0.50000 96 90-110 Silver mg/L 0.47918% Zinc mg/L 0.48205 0.50000 96 90-110 Continuing Calibration Verification MO6JCCVO01 10/18/2006 2029 CCV 191568-059 QC Calc. Parameter/Test Description Units QC Result QC Result True Value Orig. Value Limits mg/L % Arsenic 0.49997 0.50000 100 90-110 0.50348 0.50000 101 % 90-110 Copper mg/L Lead mg/L 0.50511 0.50000 101 % 90-110 0.50000 90-110 Silver mg/L 0.49635 99 % 98 0.48901 0,50000 90-110

mg/L

Zinc

	Job Number.: 249132	QUAL	ITY	CON	TROLR	ESULTS	Repo	rt Date	.: 10/27	7/2006	
CUSTOMER	: SCS Engineers, Inc.		PROJEC'	Γ: GSA	- SLOP		ATTN	: David	Brewer		
QC Type	Descripti	ion		Re	ag. Code	Lab ID	Dil	ution F	actor	Date	Time
CCV	Continuing Calibration	Verification		M06J	ccv001	191568-071				10/18/	2006 2135
P	Parameter/Test Description	Units	QC Resi	ult	QC Result	True Value	Orig.	Value	QC Calo	· *	Limits
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L	0.50 0.49 0.50			0.50000 0.50000 0.50000 0.50000 0.50000			99 101 100 100 97	% % % %	90-110 90-110 90-110 90-110 90-110
CCV	Continuing Calibration	Verification		M06J	cc <b>v</b> 001	191568-081			I	10/18/	/2006 2236
P	Parameter/Test Description	Units	QC Resi	ult	QC Result	True Value	Orig.	Value	QC Cal	;. *	Limits
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0.49 0.50 0.5	9219 9596 0468 0939 8856		0.50000 0.50000 0.50000 0.50000 0.50000			98 99 101 102 98	% % % %	90-110 90-110 90-110 90-110 90-110

#### QUALITY CONTROL RESULTS Report Date.: 10/27/2006 Job Number.: 249132 ATTN: David Brewer PROJECT: GSA - SLOP CUSTOMER: SCS Engineers, Inc. Dilution Factor Time Lab ID Date Description Reag. Code QC Type Equipment Code...: ICP5 Analyst...: tds Test Method.....: 6010B Batch..... 191568 Method Description.: Metals Analysis (ICAP Trace) CRI MO6JCR1001 191568-012 10/18/2006 1549 Contract Required Detection Limits QC Calc. Units QC Result QC Result True Value Orig. Value Limits Parameter/Test Description % 102 Arsenic mg/L 0.02049 0.02000 50-150 0.02000 102 % 50-150 0.02039 Copper mg/L % Lead mg/L 0.01018 0.01000 102 50-150 0.01327 0.01000 133 % 50-150 Silver mg/L 0,04000 50-150 Zinc mg/L 0.03940 98 10/18/2006 1908 MO6JCRI001 191568-044 CRI Contract Required Detection Limits QC Result QC Result True Value Orig. Value QC Calc. Limits Parameter/Test Description Units 102 % 50-150 0.02000 Arsenic mg/L 0.02047 mg/L 0.01924 0.02000 96 50-150 Copper 0.01000 92 50-150 % 0.00916 Lead mg/L % 0.01096 0.01000 110 50-150 Silver mg/L 0.04000 93 50-150 0.03736 Zinc mg/L MO6JCRI001 191568-078 10/18/2006 2220 CRI Contract Required Detection Limits QC Result True Value Orig. Value QC Calc. Parameter/Test Description Units QC Result Limits 94 % 0.01874 0.02000 50~150 mg/L Arsenic 98 % mg/L 0.01963 0.02000 50-150 Copper %% 95 50-150 mg/L 0.00949 0.01000 Lead

mg/L

mg/L

0.01250

0.03928

Silver

Zinc

0.01000

0.04000

125

98

50-150

50-150

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

Analyst...: tds

Test Method.....: 6010B Method Description.: Metals Analysis (ICAP Trace)

Equipment Code...: ICP5
Batch....: 191568

ICB Initial Calibration Bl	ank			191568-011			10	/18/2006 15	544
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig.	Value	QC Calc.	* Limits	
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 mg/L	0.00640 U							

Job Number.: 249132

Report Date.: 10/27/2006

Date

Tîme

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

QC Type Description Reag. Code Lab ID Dilution Factor

Test Method.....: 6010B Equipment Code...: ICP5 Analyst...: tds

ICV Initial Calibration Ve	rification	M061	100001	191568-010		10	/18/	2006 153	7
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	

	Job Number.: 249132	QUAL	ITY (	ONTROL R	ESULTS	Repo	rt Dat∈	e.: 10/27	/2006	
CUSTOMER: SC	CS Engineers, Inc.		PROJECT:	GSA - SLOP		ATTN	: Davic	l Brewer		
QC Type	Descrîpt	ion		Reag. Code	Lab ID	Dil	ution f	actor	Date	Time
	: 6010B ription.: Metals Analysis	s (ICAP Trace	e)	Equipment Co Batch	de: ICP5 : 191568			Analyst	: t	ds
ISB	Interference Check Samp	ole B		MO6JISBO01	191568-014				10/18/	/2006 1558
Paran	neter/Test Description	Units	QC Resul	t QC Result	True Value	Orig.	Value	QC Calc	. *	Limits
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0.097 0.546 0.051 0.223 0.933	48 46 24	0.10000 0.50000 0.05000 0.20000 1.00000			98 109 103 112 93	% % %	80-120 80-120 80-120 80-120 80-120
ISB	Interference Check Samp	ole B		MO6JISBO01	191568-046				10/18/	/2006 1917
Paran	meter/Test Description	Units	QC Resul	t QC Result	True Value	Orig.	Value	QC Calc	. *	Limits
Arsenic Copper Lead Silver Zinc	oversion and a second described and the second described as the second describ	mg/L mg/L mg/L mg/L	0.101 0.549 0.046 0.215 0.928	950 900 99	0.10000 0.50000 0.05000 0.20000 1.00000			101 110 92 108 93	% % % %	80-120 80-120 80-120 80-120 80-120
ISB	Interference Check Samp	ole B		MO6JISBO01	191568-080				10/18/	/2006 2229
Param	neter/Test Description	Units	QC Resul	t QC Result	True Value	Orig.	Value	QC Calc	. *	Limits
Arsenic Copper Lead Silver Zinc		mg/L mg/L mg/L mg/L mg/L	0.100 0.545 0.045 0.223 0.919	81 48 42	0.10000 0.50000 0.05000 0.20000 1.00000			100 109 91 112 92	% % % %	80-120 80-120 80-120 80-120 80-120

Job Number.: 249132

QC Type

Silver, Solid

Zinc, Solid

Description

mg/Kg

mg/Kg

Report Date.: 10/27/2006

Date

Time

80-120

80-120

Dilution Factor

0.10

1.37

บ 95

U 94

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

4.77

46.85

Reag. Code Analyst...: tds Test Method.....: 6010B Equipment Code....: ICP5

Lab ID

5.00

50.00

Batch..... 191568

Method Description.: Metals Analysis (ICAP Trace) 10/18/2006 1942 LCS Laboratory Control Sample M06JSPK001 191439-002 QC Result QC Result True Value Orig. Value QC Calc. Limits Parameter/Test Description Units Arsenic, Solid Copper, Solid Lead, Solid -% % % % % % 9.16 10.00 0.37 U 92 80-120 mg/Kg 25.43 9.77 0.22 U 102 80-120 25.00 mg/Kg mg/Kg 10.00 0.25 U 98 80-120

QUALITY CONTROL RESULTS

Report Date.: 10/27/2006

Lab ID

Dilution Factor

Date

Time

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

Job Number.: 249132

QC Type

Description

Reag. Code

Test Method.....: 6010B Equipment Code...: ICP5 Analyst...: tds
Method Description: Metals Analysis (ICAP Trace) Batch......: 191568

MB Method Blank			143	9	191439-001			1	)/18,	/2006 193	37
Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig.	Value	QC Calc.	*	Limits	F
Arsenic, Solid Copper, Solid Lead, Solid Silver, Solid Zinc, Solid	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.22 0.25	U U U U U						-		

Job Number.: 249132

Report Date.: 10/27/2006

CUSTOMER: SCS Engineers, Inc.

PROJECT: GSA - SLOP

ATTN:

QC Type

Reag. Code

Dilution Factor

Time Date

Test Method.....: 6010B Method Description.: Metals Analysis (ICAP Trace)

Description

Lab ID

Analyst...: tds

S1 Standard 1		MO6A	INTOO1	191568-008		10	/18/	2006 152	24
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	QUAL	ITY COI	NTROL	RESULTS	Report Date.	: 10/27/2	2006	
CUSTOMER:	SCS Engineers, Inc.		PROJECT: GS.	A - SLOP		ATTN:			
QC Type	Descripti	on	R	eag. Code	Lab ID	Dilution Fa	ctor	Date	Time
	od: 6010B scription.: Metals Analysis	(ICAP Trace)			Code: ICP5 : 191568		Analyst.	: tds	
S2	Standard 2		M06.	AINTOO2	191568-009		10	0/18/2006	1530
Par	rameter/Test Description	Units	QC Result	QC Resul	t True Value	Orig. Value	QC Calc.	* Lim	its
_ead		mg/L	20.36271		20.0000	·	102	% 95	-105

Job Number.: 249132

Report Date.: 10/27/2006

CUSTO	OMER: SCS	Engineers	, Inc.			PROJECT: GS	A - SLOP				ATTN:	Dav	îd	Brewer		
Metho	od Descri	: Me ption.: %: : %	Solids Deter	mination			Batch Equipment Coc			5				Analyst Test Code		
QC La	ab ID	Reagent	Units	QC Result		QC Result	True Value	Orig	. Value		QC Calc	. F	*	Limits	Date	Time
MB 191	1285-001		%	0.1000	U								hapana		10/13/2006	2000
Metho	od Descri	: 74 ption: Me : Me	rcury (CVAA)	Solids			Batch Equipment Coc			5			3	Analyst Test Code		
QC La	ab ID	Reagent	Units	QC Result		QC Result	True Value	Orig	. Value		QC Calc	. F	×	Limits	Date	Time
ICV 191	1485-007	M06HSTK010	ug/L	2.03		······································	2.00				101	_	%	90-110	10/17/2006	0728
CRA 191		M05LSTK001	ug/L ug/L	0.08 0.23	U		0.20				117		%	50-150	10/17/2006 10/17/2006	0733
	1485-010	MO6HSTK010	mg/Kg	0.01 0.01	IJ		0.01		0.01	U	99		%	80-120	10/17/2006 10/17/2006	
		M06HSTK010		0.07	Ü		1.00		0.01	U	92		%	90-120		
CCB 191	1485-018		ug/L	0.08	IJ										10/17/2006	0751
		MO6HSTKO10		0.94	U		1.00				94		%	90-110	10/17/2006 10/17/2006	
	1485-030 1485-036	M06HSTK010	ug/L ug/L	0.08 0.93	U		1.00				93		%	90-110	10/17/2006	
	1485-037		ug/L	0.08	U						, ,		,,	7	10/17/2006	
		M06HSTK010	·,	0.85			1.00				85		%	90-110		0939
	1485-039	M06HSTK010	ug/L	0.08 0.90	U		1.00				90		%	90-110	10/17/2006 10/17/2006	
	1485-043	HOORS INCITO	ug/L	0.98	U		1.00				90		70	20 110	10/17/2006	
	1484-007		mg/Kg	0.01	Ü										10/17/2006	0955
		MO6HSTKO10		0.15			0.17		0.01	U	88		%	80-120		
	1485-057 1485-052	MO6HSTK010	ug/L ug/L	0.92 0.08	U		1.00				92		%	90–110	10/17/2006 10/17/2006	
	9132-32		mg/Kg	0.00	U				0.12		1.6		R	20.0	10/17/2006	
		M05LSTK001		0.20			0.09		0.12		85		%	75-125	10/17/2006	1033
		MO6HSTK010		0.92			1.00				92		%	90-110		
	1485-064	M05LSTK001	ug/L ma/Ka	0.08 0.22	U	0.20	0.09		0.12		105		%	75-125	10/17/2006 10/17/2006	
1130 247	7132 32	1103E31R001	9/ r/g	V.LL		0.20	0.07		0.12		21.1	*		20	10/11/2000	007
	1485-071 1485-072	MO6HSTK010	ug/L ug/L	1.02 0.08	U		1.00				102		%	90–110	10/17/2006 10/17/2006	
Metho	od Descri	: 74 ption.: Me : Me	rcury (CVAA)	Solids			Batch Equipment Coc			2				Analyst Test Code		
QC La	ab ID	Reagent	Units	QC Result		QC Result	True Value	Orig	. Value		QC Calc	. F	*	Limits	Date	Time
		M06HSTK010	~ · · ·	2.00			2.00	***************************************			100		%	90–110	10/19/2006	
	1932-008	MO5LSTKOO1	ug/L	0.08 0.21	Ü		0.20				107		9/	50-150	10/19/2006 10/19/2006	
	2015-007	FIODES I KOUT	ug/∟ ug/Wipe	0.01017	U		0.20				IVI		%	70-150	10/19/2006	
LCS 192	2015-008	M06HSTK010	ug/Wipe	0.32992			0.33340	{	0.01017	U	99		%	80-120	10/19/2006	1434
		M06HSTK010	- 1	0.99			1.00				99		%	90-110	10/19/2006	1447
	1932-018 1932-029	M06HSTK010	ug/L ug/l	0.08 0.93	Ų		1.00				93		%	90~110	10/19/2006 10/19/2006	
	1932-029	HOURS INC. IO	ug/L ug/L	0.93	U		1.00				/ 3		/0	20 TTO	10/19/2006	
			3,												, ,	·

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 191932-0		ug/L ug/L	0.90 0.08 L	J	1.00	***************************************	90		90-110	10/19/2006 10/19/2006	

# 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.
- 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 interfence, 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

# REFERENCES AND NOTES

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greater than 25%.
Abbreviations
         Post Digestion Spike (GFAA Samples - See Note 1 below)
AS
         Designation given to identify a specific extraction, digestion, preparation set, or analysis set
Batch
CAP
         Capillary Column CCB Continuing Calibration Blank
CCV
         Continuing Calibration Verification
CF
         Confirmation analysis of original
         Confirmation analysis of A1 or D1
c1
C2
         Confirmation analysis of A2 or D2
C3
         Confirmation analysis of A3 or D3
         Low Level Standard Check - GFAA; Mercury
CRA
CRI
         Low Level Standard Check - ICP
CV
         Calilbration 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
         Distilled Standard - Medium Level
DSM
EB1
         Extraction Blank 1
FB2
         Extraction Blank 2
EB3
         DI Blank
         Method Extracted LCS
FLC
ELD
         Method Extracted LCD
ICAL
         Initial calibration
ICB
         Initial Calibration Blank
         Initial Calibration Verification
ICV
         Instrument Detection Limit
IDL.
         Interference Check Sample A - ICAP
ISA
         Interference Check Sample B - ICAP
ISB
         The first six digits of the sample ID which refers to a specific client, project and sample group
Job No.
         Lab ID An 8 number unique laboratory identification
         Laboratory Control Standard Duplicate
LCD
LCS
         Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MR
         Method Blank or (PB) Preparation Blank
MD
         Method Duplicate
MDI
         Method Detection Limit
MLE
         Medium Level Extraction Blank
         Method Reporting Limit Standard
MRL
MSA
         Method of Standard Additions
MS
         Matrix Spike
         Matrix Spike Duplicate
MSD
ND
         Not Detected
         Preparation factor used by the Laboratory's Information Management System (LIMS)
PREPE
PDS
         Post Digestion Spike (ICAP)
RA
         Re-analysis of original
Α1
         Re-analysis of D1
A2
         Re-analysis of D2
Α3
         Re~analysis of D3
RD
         Re-extraction of dilution
RF
         Re-extraction of original
         Re-extraction Confirmation
RC
RI.
         Reporting Limit
RPD
         Relative Percent Difference of duplicate (unrounded) analyses
RRF
         Relative Response Factor
RT
         Retention Time
```

# 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 Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL) SD UCB Unseeded Control Blank Second Source Verification Standard SSV SLCS Solid Laboratory Control Standard(LCS) pH Calibration Check LCSP pH Laboratory Control Sample PHC LCDP pH Laboratory Control Sample Duplicate pH Sample Duplicate MDPH MDFP Flashpoint Sample Duplicate LCFP Flashpoint LCS Gelex Check Standard Range 0-1 G1 G2 Gelex Check Standard Range 1-10 Gelex Check Standard Range 10-100 G3 Gelex Check Standard Range 100-1000 G4 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.

ternal Us	Lab Lot# @ A44   52 % @ Bodom Sould		T	(Yes) No (Yes) No	<b>X</b>	٩)	lold Time	(Yeş No (Yes) No NA	pH Check OK Res Cl <sub>2</sub> Check OK	Yes No (NA) Yes No (NA)	Sample Labels and COC Agree		Additional Analyses / Remarks	2 (15) 4 (2) 4 (3) 4 (4) 4 (4)						The state of the s	and the state of t				The second secon	DATE 13/0 TIME DOO	S DÁTE, S TIME	90/ 51 /9/ Paragraph	Hand Delivere	seeus	
						S Quote:									(2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		33					6 V	4.4-1.4 13-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			COMPANY (9)	S COMPANY		to date pulley		
Bill To:	Contact: 2 Co.	Address:		Phone:	Fax	#04 Y 92 5					\$100 mg/		23/43 2000:08		The state of the s		6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		2 (2)86 (4)3 (4)3 (4)3 (4)3 (4)3 (4)3 (4)3 (4)3				Tipological Control of the Control o	05:: 20 20 M 000 000 000 000 000 000	1011 1012 1013 1013 1013	RECEIVED BY	RECEIVED BY	S.N. S. WOOD IS S. J.	- 100 mm	0.004.65 20.004.65 0.005.00 0.005.00 0.004.00 0.004.00 0.005	
17	Cherrania	11	ر الا	45/-13/0	121 721	3		# / Cont.	Volume	Preserv			Sampling Market Time	X Z N Jane	25.6	4,1/0	7.70				1.76	156	5.00 V V V	4	20 20 20 20	DATE TIME	DATE	Preser	isyl 6	7.64 W. K	7. None
	Company SC	ros de	- 1 - 1 - 1 - 1	10/6	2 2 2 2	E-Mail: C.		)	Project Number:	_	Date Required	Fax:	Client Sample ID		2050-2	(2WS/63		144 F	2012WS/06	is consists	10-12 6158	912 1215109 1	in The V	25/11/1/2/1/2/2	1812 11/29 218	OOMPANY SECOND	COMPANY	3 CT	.710	4. Amber Glass 5. Widemouth G	w = wine 0. Janet 2 0 0 0 on on one on one on one one one one one
	SEVERN			2417 Bond Street & W C & Inidersity Park II 60466	Phone: 708-534-5200	Fax: 708-534-5211 5 2 2	O	J. Danks	Project Name:	のなって	Project Location:	1 / Lass mo	Laboratory D Na-msD	160 E	200	3 102 1/2	4 102	5 1029	6 102A	1 /20 A.	1027	16701 6	1 10 102 F	11 102 Flas	100A	RELINQUISHED	RÉLINQUISHÈ POT		WW = Wastewater SC=Sould W = Water SO=Sould Sould School Sould Sou	= Sludge = Miscellaneous = Oil	A = Air 0 = 1

STL Chicago is a part of Severn Trent Laboratories, Inc.

Shaded Areas For Internal Use Only	Lab Lot# 249133 s  Package Sealed Samples Sealed  Yes No Yes No  Received on Ice Samples Intact  Yes No Yes No  Temperature 'C of Cooler	Within Hold Time Preserv. Indicated Yes No Yes No NA	PH Check OK Yes No NA Yes No NA Sample Labels and COC Agree Yes No COC not present	i <del></del>						S ONTE LANGE		Date Received 10/13 06  Courier: 14 Hand Delivered   Bill of Lading   STL-8208 (0600)
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Report To:	255 H	(b) (6		Sampling Date Time	20 21/8 80 D	8:30 W			9.30	7 Soles		1. Postoc 2. VOA Vial 3. Steine Pastoc 5. Widerhouth Glass 5. Widerhouth Glass 6. Office
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	SEVERN TRENT ST Chicago 2417 Bond Street University Park, IL 604666	Phone: 708-534-5200 Fax 708-534-5211 Sampler Name: 7	コンマン	<u> </u>	13 /0/	10/09/09/09/09/09/09/09/09/09/09/09/09/09	7e/ 81		(120) RE		RELINQUIS	Wyw = Wastewater Wyw = Water Soll = Sold S. = Sold MS = Miscellaneous O.L = Oil A = Air

$\sim$	Samples Sealed Yes No Samples Intact Yes No		Agree COC not present			- research			TIME 1000	13 / 06 Hand Delivered
ternal Use Only	24C		le Labels and COC Agree Yes No COC not pre: Additional Analyses / Remarks		10	43 ( LA 3 1 CO B RSRUS 5 CO - CT PORM	iser occasi no Whiesa i) Contrar	18 11 - 80 010 18 11 - 80 010 18 11   1800 V 31	DATE:	2
Shaded Areas For Internal Use Only	Lab'Lot# 24	n Hold ss N Check	Sample Labels and COC Agree Yes No COC no		and describes the second		Colonard Colonard Colonard Colonard Machiner			Date Received Courter:
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	SEVERN  TRENT  STI Chicago  2417 Bond Street  University Park, IL 60466 Phone: 708-534-5200  Fax 708-534-5211	Sampler Name:	Project Location:		37 20	29 30	E 28	33	3.6 RELINQUISHED RELINQUISHED	WW = Wastewater W = Water S = Soil SL = Sludge MS = Miscellaneous OL = Oil A = Air

# 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 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 (\_\_\_\_\_) Pages

SAMPLE INFORMATION

Date: 12/06/2006

Job Number:249639Project Number:20006654Customer...:SCS Engineers, Inc.Customer Project ID...:GSA - SLOPAttn....:David BrewerProject 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

8015B MDRO 7			QFLA	AGS MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	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

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 249639 Date: 12/06/2006

CUSTOMER: SCS Eng	jineers, Inc.	PROJECT: GSA -	SLOP		ATIN: David Brewer					
Lab ID: 249639-1   METHOD   EDD	Client ID: SB126 DESCRIPTION Electronic Data Deliverable			24/2006 Sampl PREP BT #(S)	e Date: 11/18/20 DATE/TIME AI		DILUTION			
3510C 8015B MDRO	Extraction Sep. Funnel (Diesel) TPH - Diesel Range Organics (DRO)	1 1 1	194076 194560	194076	11/24/2006 11/29/2006	1330 0819	1.00000			

## REFERENCES AND NOTES

Report Date: 12/06/2006

#### 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.
- 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.
- The chromatographic response does not resemble a typical fuel pattern.
- ${\tt E}$  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 interfence, 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

## REFERENCES AND NOTES

Report Date: 12/06/2006

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greater than 25%.
Abbreviations
         Post Digestion Spike (GFAA Samples - See Note 1 below)
AS
         Designation given to identify a specific extraction, digestion, preparation set, or analysis set
Batch
CAP
         Capillary Column CCB Continuing Calibration Blank
CCV
         Continuing Calibration Verification
CF
         Confirmation analysis of original
C1
         Confirmation analysis of Al 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
         Calilbration Verification Standard
CV
Dil Fac Dilution Factor - Secondary dilution analysis
D1
         Dilution 1
D2
         Dilution 2
D3
         Dilution 3
         Detection Limit Factor
DLFac
DSH
         Distilled Standard - High Level
         Distilled Standard - Low Level
Distilled Standard - Medium Level
DST.
DSM
EB1
         Extraction Blank 1
         Extraction Blank 2
EB2
EB3
         DI Blank
ELC.
         Method Extracted LCS
ET D
         Method Extracted LCD
ICAL
         Initial calibration
ICB
         Initial Calibration Blank
         Initial Calibration Verification
ICV
IDL
         Instrument Detection Limit
ISA
         Interference Check Sample A - ICAP
         Interference Check Sample B - ICAP
ISB
         The first six digits of the sample ID which refers to a specific client, project and sample group
Job No.
         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
         Method of Standard Additions
MSA
MS
         Matrix Spike
MSD
         Matrix Spike Duplicate
ND
         Not Detected
         Preparation factor used by the Laboratory's Information Management System (LIMS)
PREPF
         Post Digestion Spike (ICAP)
PDS
RA
         Re-analysis of original
A1
         Re-analysis of D1
Α2
         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
         Relative Percent Difference of duplicate (unrounded) analyses
RPD
         Relative Response Factor
RRF
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

# REFERENCES AND NOTES

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