Committed To *Your* Success

Severn Trent Laboratories
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Sparks, MD 21152

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December 14, 1999

Mr. Larry Stearns
IT Corporation
William Penn Plaza
2790 Mosside Boulevard
Monroeville, PA 15146-2792

Re:IT Corporation-Bainbridge (70260.01)

Dear Mr. Stearns:

Enclosed is our report on the analysis of seven soil samples collected for the IT Corporation-Bainbridge project on 10 December 1999. The EDD will follow. The invoice is included.

Please contact me if you have any questions or require further information and refer to report 991763. Unless other arrangements are made, we reserve the right to dispose of your samples sixty (60) days from the date of this letter. We will retain the raw data for seven years from this date.

Sincerely,

Natasha K. Sullivan
Laboratory Project Manager

enclosure

LABORATORY DATA REPORT

Prepared for:

IT Corporation
Bainbridge

Prepared by:

Severn Trent Laboratories
19 Loveton Circle
Sparks, MD 21152

Report 991763

December 1999

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1. NARRATIVE

Severn Trent Laboratories
ANALYTICAL NARRATIVE

Client: **IT Corporation**
Site: **Bainbribge**
Project number: **70260.01**

STL Baltimore Report: **991763**
Laboratory Project Manager: **Natasha K. Sullivan**
Report Date: **14 December 1999**

This report contains the results of the analysis of seven soil samples collected on 10 December 1999 in support of the referenced project.

SAMPLE RECEIPT

The samples arrived intact by hand at Severn Trent Laboratories on 11 December 1999. Upon receipt, the samples were inspected and compared with the chain-of-custody record. The samples were then logged into the laboratory computer system with assigned laboratory accession numbers and released for analysis.

Client Sample Designation	STL Number
683-F-H3-2	9913654
683-F-H3-1	9913655
683-H2W2	9913656
683-F3W1	9913657
683-H3W2	9913658
683-F-G3A-1	9913659
683-F-G3A-2	9913660

Following this narrative section is a glossary of data qualifiers (Tables 1), codes associated with manual integration of chromatographic peaks (Table 2), and the original chain-of-custody record. Analytical results and quality control information are summarized in the appended data package which has been formatted to be consistent with the deliverable requirements of this project.

QUALITY CONTROL

The following sections are ordered as the data appears in this report. They contain observations made during sample analysis, summarize the results of quality control measurements, and address the impact on data usability based upon project Data Quality Objectives. For each fractional analysis the narrative includes:

- Sample chronology: This section summarizes the sample history by fraction including the sample preparation method and date, analytical method, and analysis date. Anything unusual about the samples, digestates, or extracts is identified. Holding time compliance is evaluated in this section.

- Laboratory method performance: All quality control criteria for method performance must be met for all target analytes for data to be reported. These criteria generally apply to instrument tune,

calibration, method blanks, and Laboratory Control Samples (LCS). In some instances where method criteria fail, useable data can be obtained and are reported with client approval. The narrative will then include a thorough discussion of the impact on data quality.

- Sample performance: Quality control field samples are analyzed to determine any measurement bias due to the sample matrix based on evaluation of matrix spikes (MS), matrix spike duplicates (MSD), and laboratory duplicates (D). If acceptance criteria are not met, matrix interferences are confirmed either by reanalysis or by inspection of the LCS results to verify that laboratory method performance is in control. Data are reported with appropriate qualifiers or discussion.

CHLORINATED PESTICIDES by GC - SOIL (STL9913654 – STL9913660)

Sample Chronology: The samples and associated quality control were extracted on 12 December 1999 by SW-846 Method 3550C. The extracts were analyzed on 12 and 13 December 1999 for the project list of analytes by SW-846 Method 8081A. All holding times were met.

The following extracts were diluted and re-analyzed to bring the extract concentrations of target analytes within instrument calibration range. The results for both the undiluted and diluted analyses are included in this report:

683-H2W	2x2
683-F-G3A-1	x20

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples.

Sample Performance: All quality control criteria were met for the reported samples with the following exceptions:

The MS/MSD recovery (performed on sample 683-F3W1) for 4,4'-DDT control analyte was below the QC limits of 66% at 60%(RTX-5) and 62%(RTX-35). This recovery may indicate a negative bias for this analyte. All control analyte recoveries were within QC limits for the LCSs, indicating acceptable method performance.

Severn Trent Laboratories
ANALYTICAL NARRATIVE

Client: **IT Corporation**
Site: **Bainbribge**
Project number: **70260.01**

STL Baltimore Report: **991763**
Laboratory Project Manager: **Natasha K. Sullivan**
Report Date:**14 December 1999**

EXTRACTABLE TPH by GC SOIL (STL9913654-STL9913660)

Sample Chronology: The samples and associated quality control were extracted on 12 December 1999 by SW-846 Method 3550. The extracts were analyzed on 12-13 December 1999 for Diesel Range Organics (DRO) by SW-846 Method 8015B. All holding times were met.

The two ending Continuing Calibration Verification (CCV) recoveries were outside the lower QC limit of 85% for the surrogate C-28. However, the surrogate recoveries were within limits for all samples.

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples.

Sample Performance: All quality control criteria were met for the reported samples with the following exception:

The Matrix Spike Duplicate recovery for diesel was outside the lower QC limit of 66% at 61%. However, the Laboratory Control Sample and Matrix Spike recoveries were within the QC limit indicating acceptable method performance.

CERTIFICATION OF RESULTS

The Laboratory certifies that this report meets the project requirements for analytical data as stated in the Analytical Task Order (ATO) and the chain-of-custody. In addition, the Laboratory certifies that the data as reported meet the Data Quality Objectives for precision, accuracy, and completeness specified for this project or as stated in Severn Trent Laboratories Quality Assurance program for other than the conditions detailed above. It is recommended by the Laboratory that this analytical report should only be reproduced in its entirety. Severn Trent Laboratories is not responsible for any assumptions of data quality if partial packages are used to interpret data. Release of the data contained in this report has been authorized by the appropriate Laboratory Manager as verified by the following signature.

December 14, 1999

Natasha K. Sullivan, Laboratory Project Manager

C10063

TABLE 1. LABORATORY ORGANIC ANALYSIS DATA QUALIFIERS [1]

Qualifiers other than those listed below may be required to properly define the results. If used, they are given an alphabetic designation not already specified in this table or in a project/program document such as a Quality Assurance Project Plan or a contract Statement of Work. Each additional qualifier is fully described in the Analytical Narrative section of the laboratory report.

U Indicates a target compound was analyzed for but not detected. The sample Reporting Limit (RL) is corrected for dilution and, if a soil sample, for percent moisture, if reported on a dry weight basis.

J Indicates an estimated value. This qualifier is used under the following circumstances:

1) when estimating a concentration for tentatively identified compounds (TICs) in GC/MS analyses, where a 1:1 response is assumed,
2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the RL but greater than the method detection limit (MDL).

B This qualifier is used when the analyte is found in the associated method blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. For GC/MS analyses, this qualifier is used for a TIC, as well as, for a positively identified target compound.

E This qualifier identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D When applied, this qualifier identifies all compound concentrations reported from a secondary dilution analysis.

A This qualifier indicates that a TIC is a suspected aldol-condensation product.

N Indicates presumptive evidence of a compound. This qualifier is only used for GC/MS TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N qualifier is not used.

P When applied, this qualifier indicates a reported value from a GC analysis when there is greater than 25% difference for detected concentrations between the two GC columns.

---

(1) These Data Qualifiers are added by the laboratory to provide additional information for the reported results. ***They should not be confused with the qualifiers applied to the reported data as a result of a data validation process performed independently of the laboratory reporting procedure.***

TABLE 2. CODES ASSOCIATED WITH MANUAL INTEGRATION OF CHROMATOGRAPHIC PEAKS

M1 . . . . Software failed to integrate peak or integrated peak improperly

M2 . . . . Multiple peaks within window, analyst's discretion used in peak identification.

M3 . . . . Close eluting or near-coelution of interferences.

M4 . . . . Adding or removing area due to peak tailing - subject to consistency within the sequence.

M5 . . . . Adding/removing area due to positive baseline deflection matrix effect.

M6 . . . . Adding/removing area due to negative baseline deflection matrix effect.

M7 . . . . Retention time shifts.

M8 . . . . Skimming vs. dropped baseline.

M9 . . . . Adding area due to peak splitting .

M10 . . . Secondary ions or qualifier ions.

Note: Appropriate Qualifiers are used and specified in the data package; either on the individual quantitation reports or in the Technical Review Checklists.

F:\GROUP\FINALRPT\MASTER\MANINT.MAS

2. CHAIN-OF-CUSTODY

the Group

RUSH 911162 K4

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document 576240
Page 1 of 1

Project Name/No. 1 798939 BainBridge
Samples Shipment Date 7 12/11/99
Bill to: 5 IT Corp 2790 Mosside Blvd Monroeville, PA 15146
Sample Team Members 2 Treater/Klinger
Lab Destination 8 Seventrent Labs
Profit Center No. 3 —
Lab Contact 9 Natashia
Project Manager 4 L. Stearns
Project Contact/Phone 12 Dick Treater 412-372-7701 X221
Final Report to: 10 Dorothy Smalls + Larry Stearns / IT 2790 Mosside Blvd Monroeville, PA 15146
Purchase Order No. 6
Carrier/Waybill No. 13 Lab Pickup
Required Report Date 11 ~~12/13/99~~ 12/13/99 24Hr

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
683-F-H3-2	Floor Soil Sample from Grid H3 Depth 13'	12/10/99 1543	1-4oz ~~Amber~~ Glass	4oz	4°C	TPA-DRO 8015 MOD Total Pesticides 8081	~~9913655~~ DUE 12/13	9913654 99 AM
683-F-H3-1	Floor Soil Sample from Grid H3 Depth=17'	12/10/99 1540				TCL Pest ~~9913656~~ 9913655	LPM MS	
683-H2W2	Wall Soil Sample from Between H2+G2 Depth=17'	12/10/99 1520				1 Ml Final ~~9913657~~ 9913656	4D	K4
683-F3W1	Wall Soil Sample from F3 Face Depth=19'	12/10/99 1505				Volume DRO ~~9913658~~ 9913657	MS/MSD	
683-H3W2	Wall Soil Sample from H3 Face Depth=13'	12/10/99 1530				Report	~~9913658~~ 9913658	
683-F-G3A-1	Floor Soil Sample Grid G3 Depth 24'	12/10/99 0915				991763	~~9913659~~ 9913659	
683-F-G3A-2	Floor Soil Sample Grid G3 Depth 24'	12/10/99 0918					~~9913~~ 9913660	
			COC005 6395				C	

FOR LAB USE ONLY

FOR LAB USE ONLY

Special Instructions: 23 FAX Copy to Dick Treater 412-380-0699 L1+239

Possible Hazard Identification: 24 TPH DRO - Pesticides
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☒ Archive ____ (mos.)

Turnaround Time Required: 26 48Hr FAX 72HR FINAL
Normal ☐ Rush ☒

QC Level: 27
I. ☐ II. ☐ III. ☒ Project Specific (specify): NAVY NEFRS level C

1. Relinquished by 28 (Signature/Affiliation) [signature] IT	Date: 12/11/99 Time: 1148	1. Received by 28 (Signature/Affiliation) [signature]	Date: 12/11/99 Time: 1145
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29 FED EX FINAL COPY to LARRY STEARNS IT Corp 2790 Mosside Blvd Monroeville, PA 15146 + ~~Larry~~ MIKE LACY IT Corp 200 Horizon Center Blvd TRENTON, NJ 08691

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

02000 1

3. PESTICIDES DATA

A. QC Summary

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

GC Column (1): RTX-5 ID: 0.53 (mm) GC Column (2): RTX-35 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PB912121	84	80	87	92	0
02	PL912121	86	82	86	92	0
03	683-F-H3-2	59	55	66	72	0
04	683-F-H3-1	60	59	79	82	0
05	683-H2W2	48	46	63	69	0
06	683-F3W1	51	49	67	73	0
07	683-F3W1MS	56	52	70	78	0
08	683-F3W1MSD	58	55	73	79	0
09	683-H3W2	60	56	71	76	0
10	683-F-G3A-1	53	50	67	73	0
11	683-F-G3A-2	81	77	83	90	0
12	683-H2W2DL	23 D	24 D	32 D	36 D	0
13	683-F-G3A-1DL	3 D	3 D	5 D	5 D	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(30-150)
DCB	=	Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: 683-F3W1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC	26	0.0	19	73	59 - 103
Heptachlor	26	0.0	18	69	69 - 118
Aldrin	26	0.0	18	69	68 - 129
Dieldrin	52	0.0	42	81	67 - 111
Endrin	52	0.0	37	71	71 - 129
4,4'-DDT	52	0.0	31	60 *	66 - 127

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC	26	19	73	0	27	59 - 103
Heptachlor	26	19	73	6	30	69 - 118
Aldrin	26	18	69	0	37	68 - 129
Dieldrin	52	42	81	0	27	67 - 111
Endrin	52	37	71	0	35	71 - 129
4,4'-DDT	52	32	62 *	3	37	66 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 2 out of 12 outside limits

COMMENTS:

LCS RECOVERY FORM

Lab Name: Severn Trent Labs

Date Extracted 12/12/99

Instrument: SL2

Date Analyzed: 12/12/99

Analyst. TS

Matrix: SOIL

Spike No.: S-9582

Sample ID: PL912121

COMPOUND	SPIKE ADDED	LCS CONC.	% REC #	QC Limits
gamma-BHC	17	13	76%	59-103
Heptachlor	17	14	82%	69-118
Aldrin	17	14	82%	68-129
Dieldrin	33	29	88%	67-111
Endrin	33	26	79%	71-129
4,4'-DDT	33	27	82%	66-127

The LCS has been checked and is within/outside current limits

Tes-Foy 12/13/99 —

ANALYST DATE Non-conformance form #

LCS RECOVERY FORM

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB912121

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No..

Lab Sample ID: PB912121 Lab File ID: 207FAFSL.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) Y Date Extracted: 12/12/99

Date Analyzed (1): 12/12/99 Date Analyzed (2): 12/12/99

Time Analyzed (1): 2208 Time Analyzed (2): 2208

Instrument ID (1): SL2 Instrument ID (2): SL2

GC Column (1): RTX-5 ID: 0.53 (mm) GC Column (2): RTX-35 ID: 0.53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PL912121	PL912121	12/12/99	12/12/99
02	683-F-H3-2	9913654	12/12/99	12/12/99
03	683-F-H3-1	9913655	12/12/99	12/12/99
04	683-H2W2	9913656	12/13/99	12/13/99
05	683-F3W1	9913657	12/13/99	12/13/99
06	683-F3W1MS	9913657MS	12/13/99	12/13/99
07	683-F3W1MSD	9913657MSD	12/13/99	12/13/99
08	683-H3W2	9913658	12/13/99	12/13/99
09	683-F-G3A-1	9913659	12/13/99	12/13/99
10	683-F-G3A-2	9913660	12/13/99	12/13/99
11	683-H2W2DL	9913656X2	12/13/99	12/13/99
12	683-F-G3A-1DL	9913659X20	12/13/99	12/13/99

COMMENTS:

B. Sample Data

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-H3-2

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913654

Sample wt/vol: 30 (g/ml) G Lab File ID: 209FAFSL.D

% Moisture: 25 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

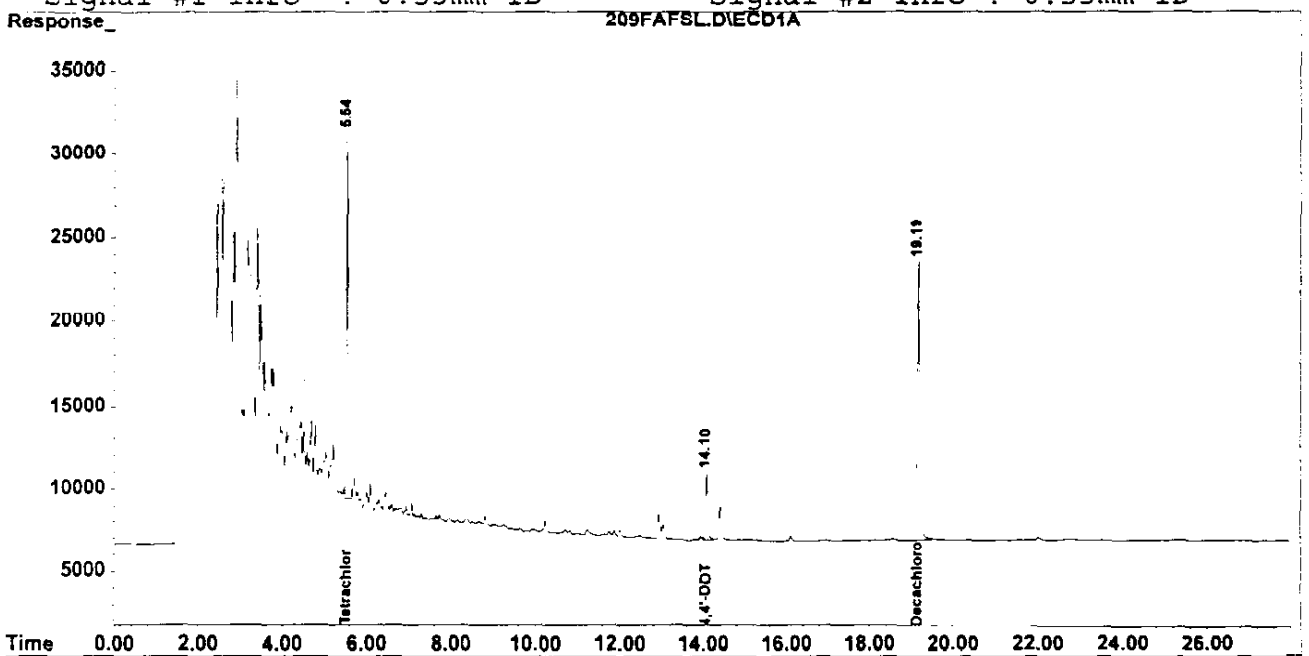
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
1024-57-3	Heptachlor Epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
5103-71-9	alpha-Chlordane	2.2	U
72-55-9	4,4'-DDE	4.4	U
60-57-1	Dieldrin	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
50-29-3	4,4'-DDT	5.8	
7421-36-3	Endrin Aldehyde	4.4	U
1031-07-8	Endosulfan Sulfate	4.4	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin Ketone	4.4	U
8001-35-2	Toxaphene	220	U

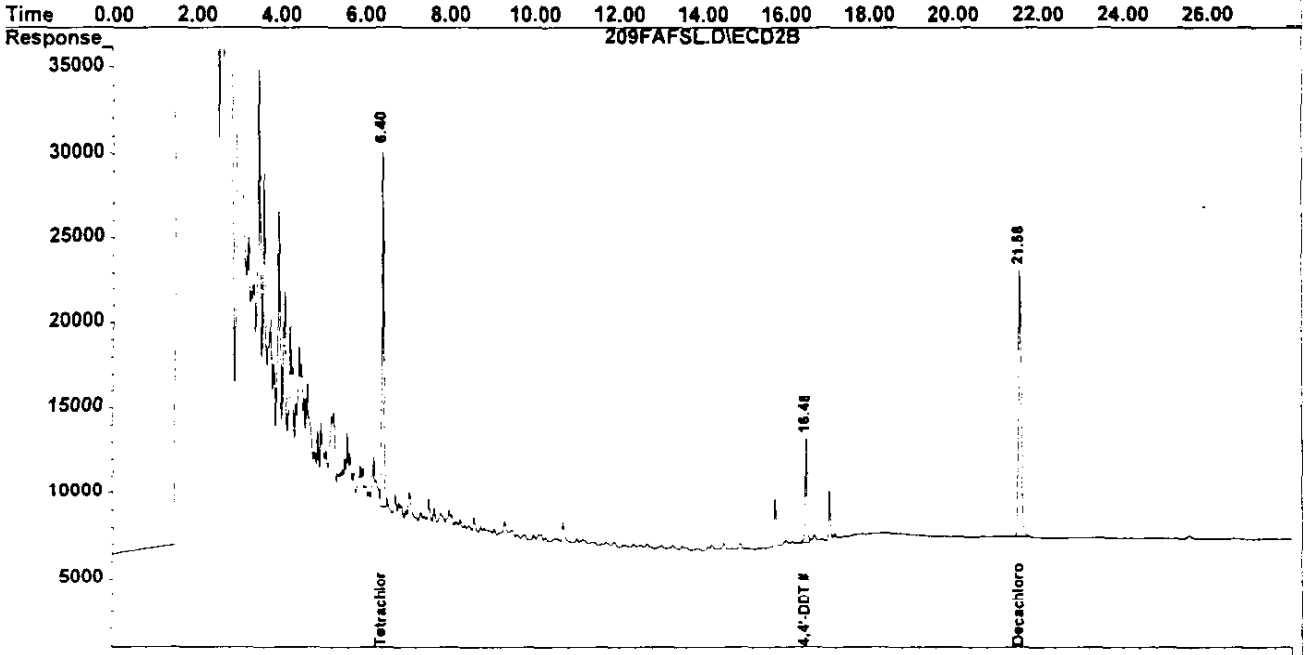
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\209FAFSL.D\ECD1A.CH Vial: 3
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\209FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 11:11 pm Operator: GDM
Sample : 9913654 Inst : SL2
Misc : 683-F-H3-2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:27 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\209FAFSL.D\ECD1A.CH Vial: 3
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\209FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 11:11 pm Operator: GDM
Sample : 9913654 Inst : SL2
Misc : 683-F-H3-2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:27 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	610449	643672	35.178m	33.136m
Spiked Amount 60.000 Range 30 - 150 Recovery =					58.63%	55.23%
22) S Decachlorobiphen	19.19	21.58	644612	759651	39.817	42.988
Spiked Amount 60.000 Range 30 - 150 Recovery =					66.36%	71.65%
Target Compounds						
17) MA 4,4'-DDT	14.10	16.48	164112	201309	13.125m	15.395m
Sum Aroclor-1016			0	0	N.D.	N.D.
rage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-H3-1

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913655

Sample wt/vol. 30 (g/ml) G Lab File ID: 210FAFSL.D

% Moisture: 39 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

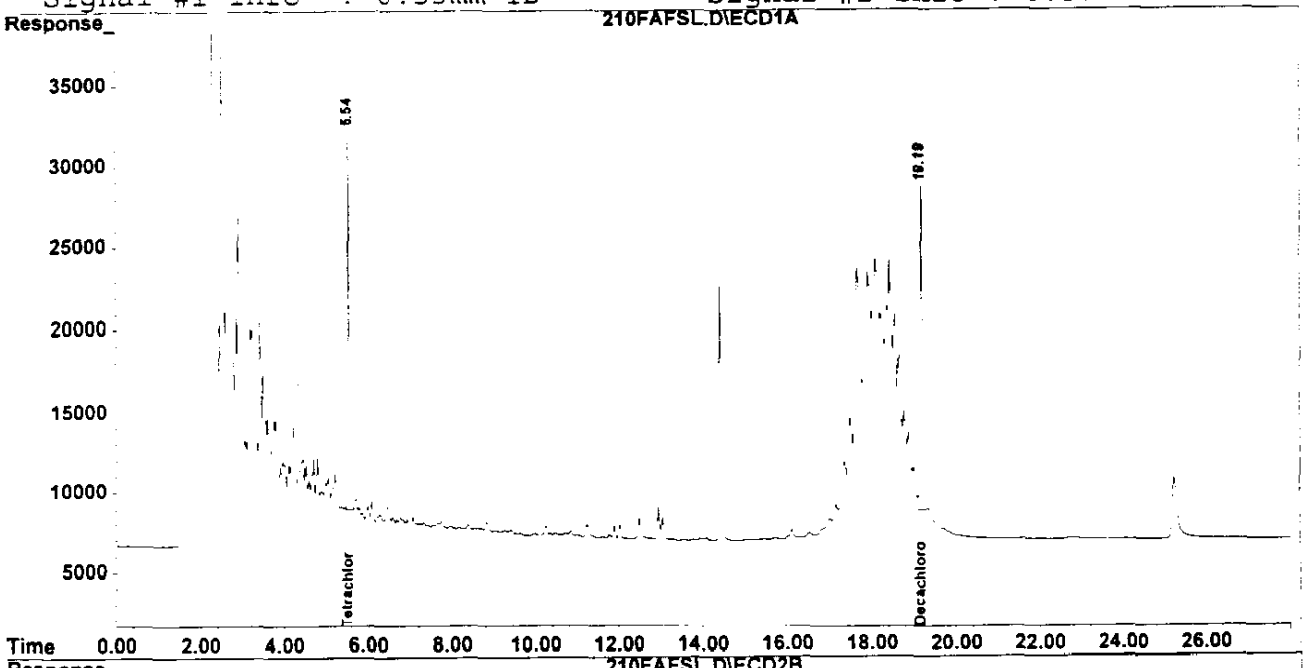
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.7	U
58-89-9	gamma-BHC	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
1024-57-3	Heptachlor Epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
5103-71-9	alpha-Chlordane	2.7	U
72-55-9	4,4'-DDE	5.5	U
60-57-1	Dieldrin	5.5	U
72-20-8	Endrin	5.5	U
33213-65-9	Endosulfan II	5.5	U
72-54-8	4,4'-DDD	5.5	U
50-29-3	4,4'-DDT	5.5	U
7421-36-3	Endrin Aldehyde	5.5	U
1031-07-8	Endosulfan Sulfate	5.5	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin Ketone	5.5	U
8001-35-2	Toxaphene	270	U

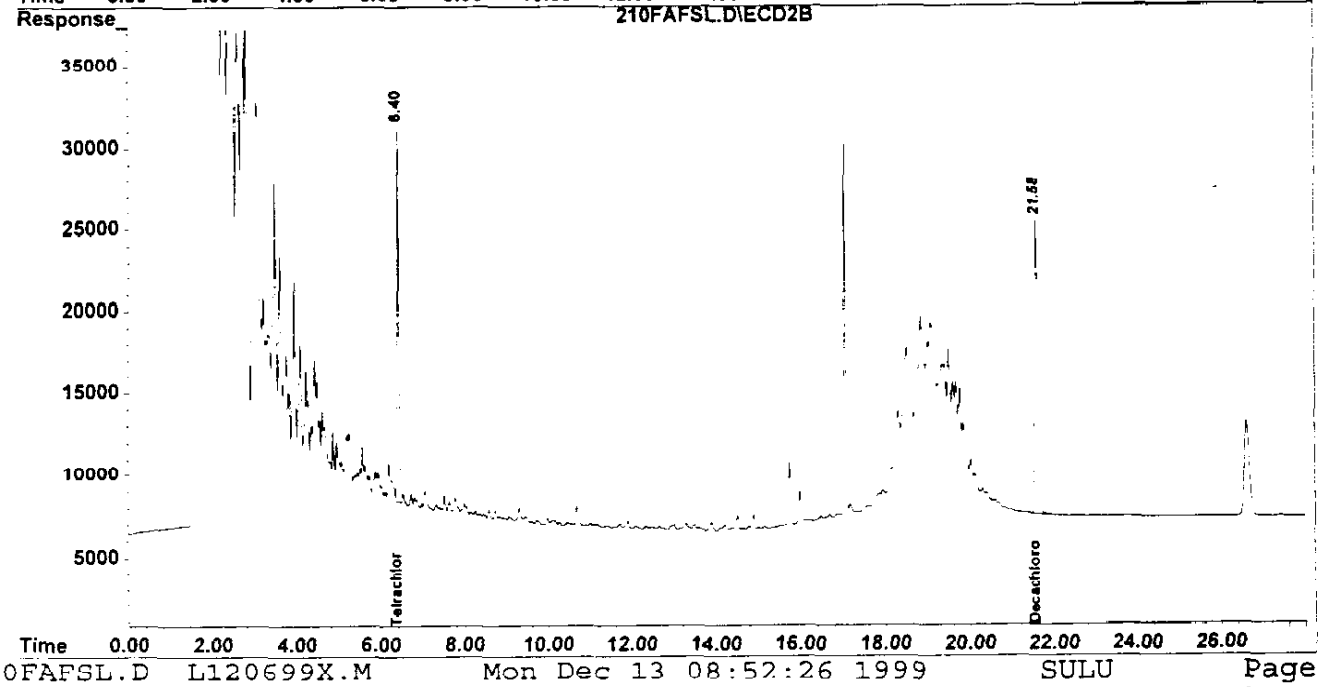
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\210FAFSL.D\ECD1A.CH Vial: 4
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\210FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 11:42 pm Operator: GDM
Sample : 9913655 Inst : SL2
Misc : 683-F-H3-1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:30 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\210FAFSL.D\ECD1A.CH Vial: 4
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\210FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 11:42 pm Operator: GDM
Sample : 9913655 Inst : SL2
Misc : 683-F-H3-1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:30 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	629496	691018	36.276m	35.573m
Spiked Amount 60.000 Range 30 - 150 Recovery =					60.46%	59.29%
22) S Decachlorobiphen	19.19	21.59	770988	872432	47.623m	49.371
Spiked Amount 60.000 Range 30 - 150 Recovery =					79.37%	82.29%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-H2W2

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No..

Matrix: (soil/water) SOIL Lab Sample ID: 9913656

Sample wt/vol: 30 (g/ml) G Lab File ID: 211FAFSL.D

% Moisture: 24 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

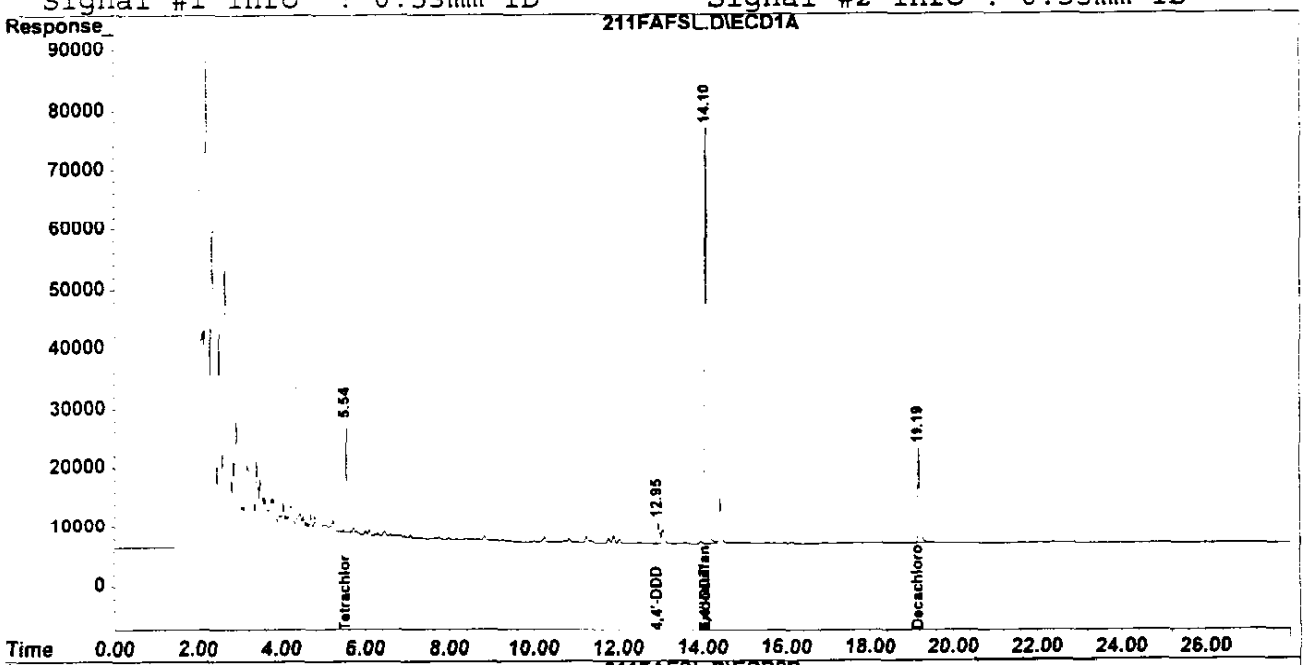
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
1024-57-3	Heptachlor Epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
5103-71-9	alpha-Chlordane	2.2	U
72-55-9	4,4'-DDE	4.4	U
60-57-1	Dieldrin	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	P
50-29-3	4,4'-DDT	92	E
7421-36-3	Endrin Aldehyde	4.4	U
1031-07-8	Endosulfan Sulfate	12	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin Ketone	4.4	U
8001-35-2	Toxaphene	220	U

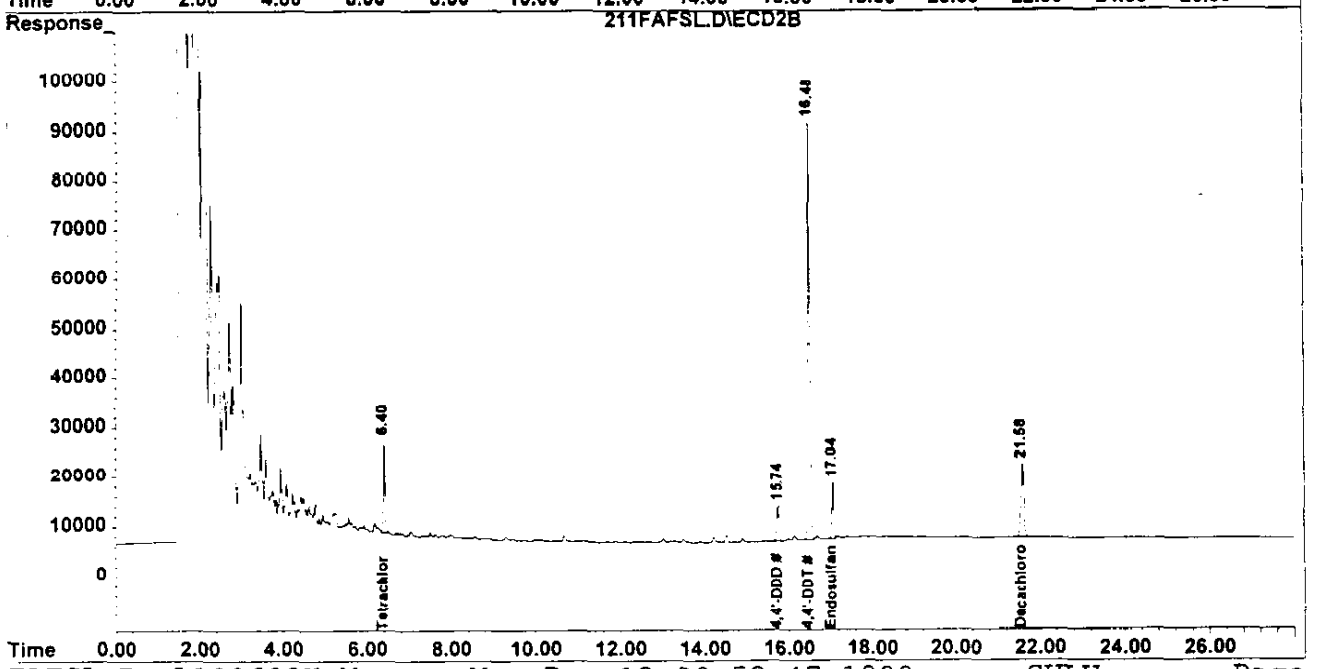
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\211FAFSL.D\ECD1A.CH Vial: 5
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\211FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 12:14 am Operator: GDM
Sample : 9913656 Inst : SL2
Misc : 683-HZW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:33 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





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Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\211FAFSL.D\ECD1A.CH Vial: 5
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\211FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 12:14 am Operator: GDM
Sample : 9913656 Inst : SL2
Misc : 683-H2W2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:33 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	498147	530827	28.706m	27.327m
Spiked Amount 60.000 Range 30 - 150 Recovery =					47.84%	45.55%
22) S Decachlorobiphen	19.20	21.59	613538	730482	37.898	41.338
Spiked Amount 60.000 Range 30 - 150 Recovery =					63.16%	68.90%
Target Compounds						
16) A 4,4'-DDD	12.95	15.74	138447	253592	10.097	19.323 #
17) MA 4,4'-DDT	14.10	16.48	2662489	2728166	212.929m	208.642
B Endosulfan Sulfa	14.10	17.05f	2708453	346051	197.168	26.612 #
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-H2W2DL

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913656X2

Sample wt/vol: 30 (g/ml) G Lab File ID: 226FAFSL.D

% Moisture: 24 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

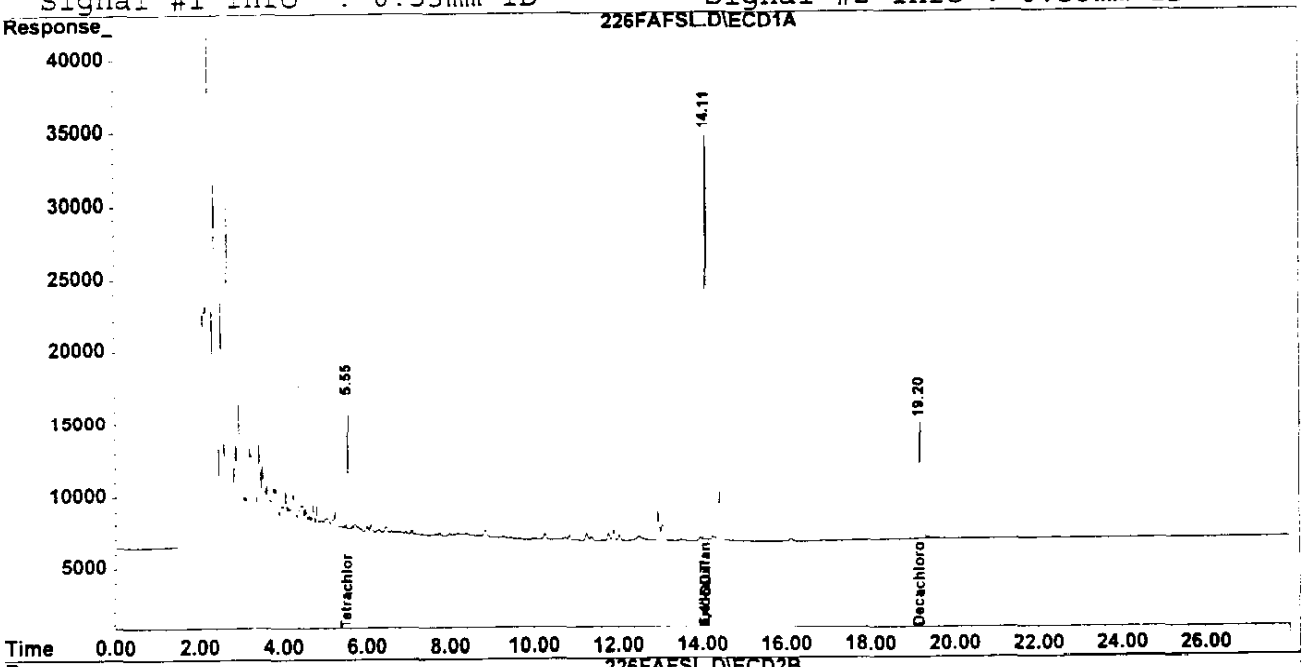
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.4	U
58-89-9	gamma-BHC	4.4	U
76-44-8	Heptachlor	4.4	U
309-00-2	Aldrin	4.4	U
319-85-7	beta-BHC	4.4	U
319-86-8	delta-BHC	4.4	U
1024-57-3	Heptachlor Epoxide	4.4	U
959-98-8	Endosulfan I	4.4	U
5103-74-2	gamma-Chlordane	4.4	U
5103-71-9	alpha-Chlordane	4.4	U
72-55-9	4,4'-DDE	8.8	U
60-57-1	Dieldrin	8.8	U
72-20-8	Endrin	8.8	U
33213-65-9	Endosulfan II	8.8	U
72-54-8	4,4'-DDD	8.8	U
50-29-3	4,4'-DDT	77	
7421-36-3	Endrin Aldehyde	8.8	U
1031-07-8	Endosulfan Sulfate	10	P
72-43-5	Methoxychlor	44	U
53494-70-5	Endrin Ketone	8.8	U
8001-35-2	Toxaphene	440	U

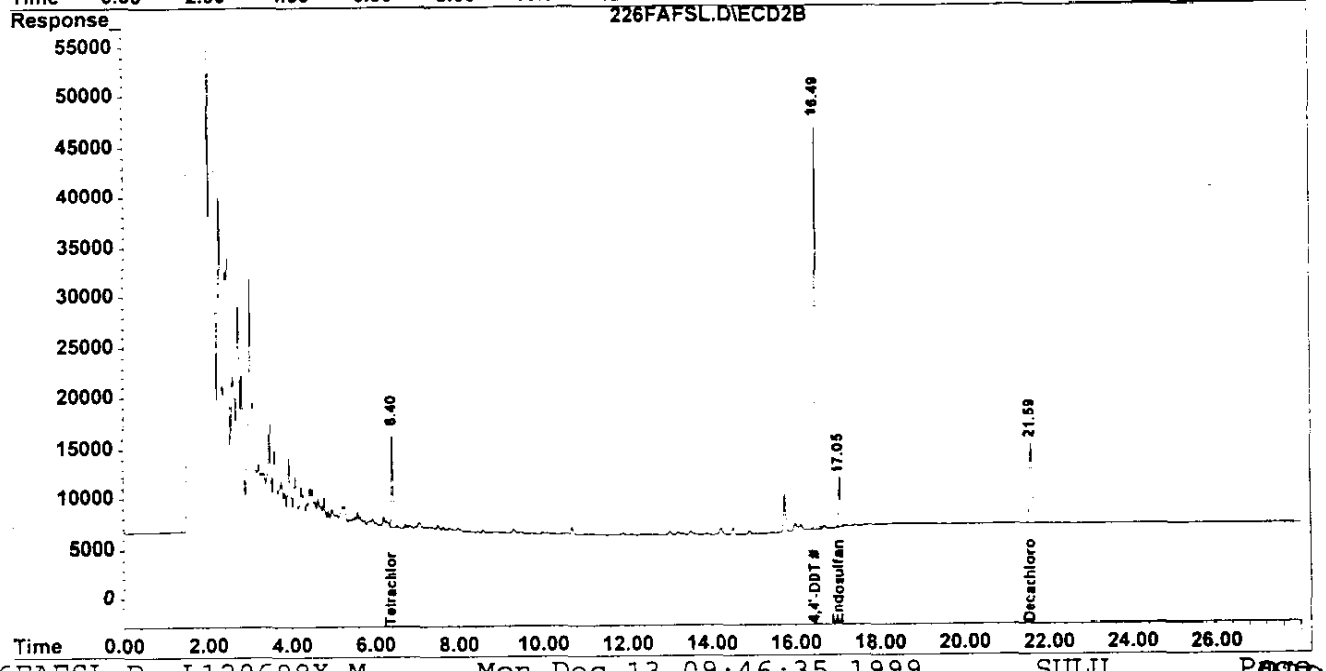
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\226FAFSL.D\ECD1A.CH Vial: 99
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\226FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 9:12 am Operator: GDM
Sample : 9913656X2 Inst : SL2
Misc : 683-H2W2DL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 9:45 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\226FAFSL.D\ECD1A.CH Vial: 99
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\226FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 9:12 am Operator: GDM
Sample : 9913656X2 Inst : SL2
Misc : 683-H2W2DL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 9:45 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.55	6.40	239667	274603	13.811m	14.136m
Spiked Amount 60.000 Range 30 - 150 Recovery =					23.02%#	23.56%#
22) S Decachlorobiphen	19.20	21.59	309782	383067	19.135	21.678
Spiked Amount 60.000 Range 30 - 150 Recovery =					31.89%	36.13%
Target Compounds						
17) MA 4,4'-DDT	14.11	16.49	1091958	1292610	87.328m	98.855
18) B Endosulfan Sulfa	14.11	17.05f	1095516	149891	79.751m	11.527 #
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
rage Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F3W1

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913657

Sample wt/vol: 30 (g/ml) G Lab File ID: 212FAFSL.D

% Moisture: 36 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
58-89-9	gamma-BHC	2.6	U
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
1024-57-3	Heptachlor Epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
5103-74-2	gamma-Chlordane	2.6	U
5103-71-9	alpha-Chlordane	2.6	U
72-55-9	4,4'-DDE	5.2	U
60-57-1	Dieldrin	5.2	U
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	5.2	U
50-29-3	4,4'-DDT	5.2	U
7421-36-3	Endrin Aldehyde	5.2	U
1031-07-8	Endosulfan Sulfate	5.2	U
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin Ketone	5.2	U
8001-35-2	Toxaphene	260	U

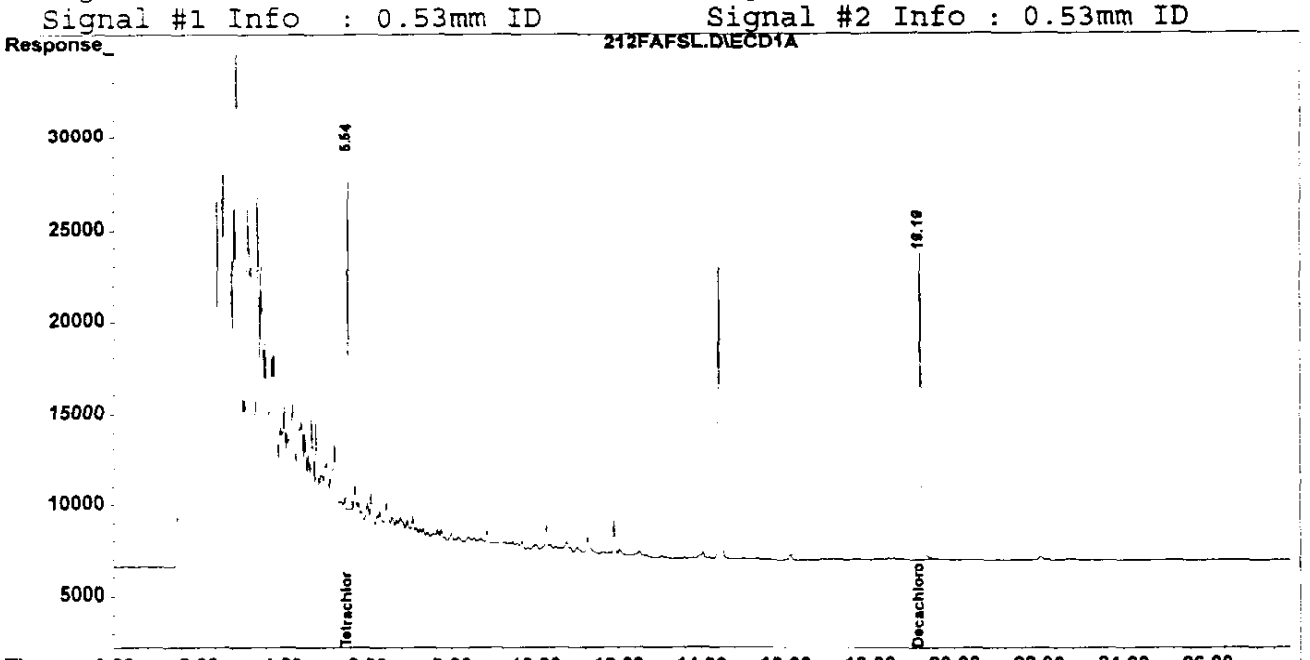
~~030020~~
030020

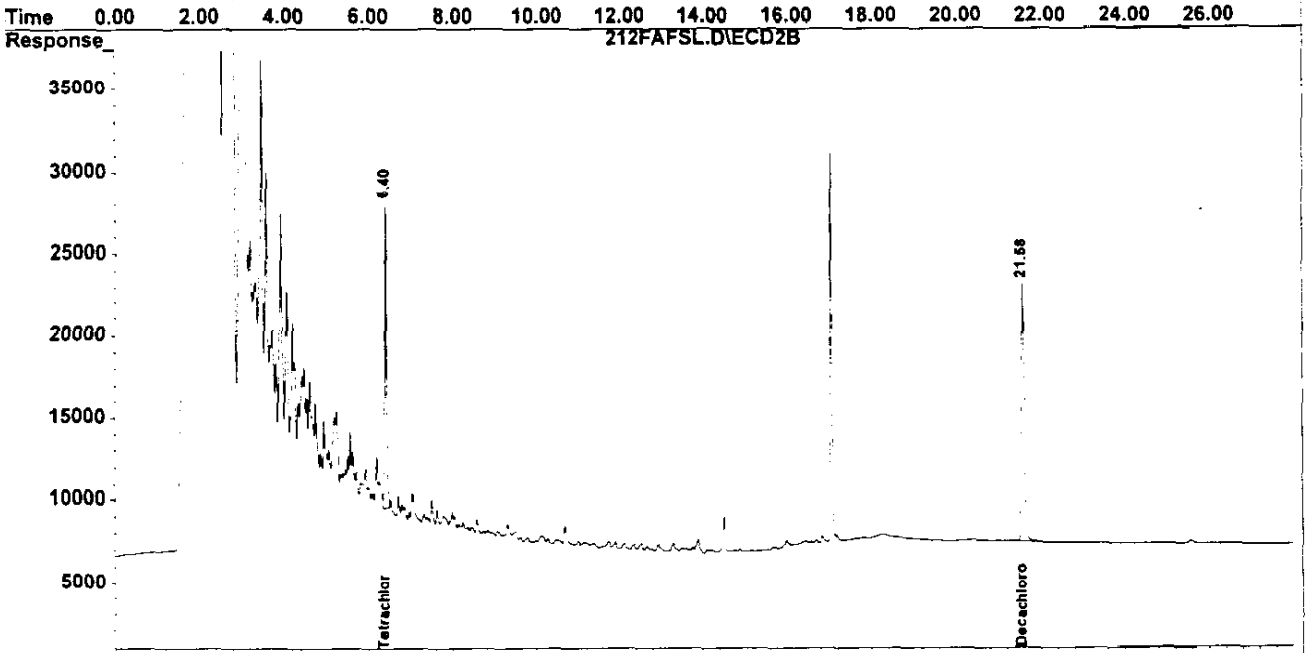
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\212FAFSL.D\ECD1A.CH Vial: 6
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\212FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 12:46 am Operator: GDM
Sample : 9913657 Inst : SL2
Misc : 683-F3W1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:35 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





C3020

Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\212FAFSL.D\ECD1A.CH Vial: 6
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\212FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 12:46 am Operator: GDM
Sample : 9913657 Inst : SL2
Misc : 683-F3W1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:35 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	535565	566298	30.863m	29.153m
Spiked Amount 60.000 Range 30 - 150 Recovery =					51.44%	48.59%
22) S Decachlorobiphen	19.20	21.59	648139	769328	40.035	43.536
Spiked Amount 60.000 Range 30 - 150 Recovery =					66.72%	72.56%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-H3W2

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913658

Sample wt/vol: 30 (g/ml) G Lab File ID: 215FAFSL.D

% Moisture: 40 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

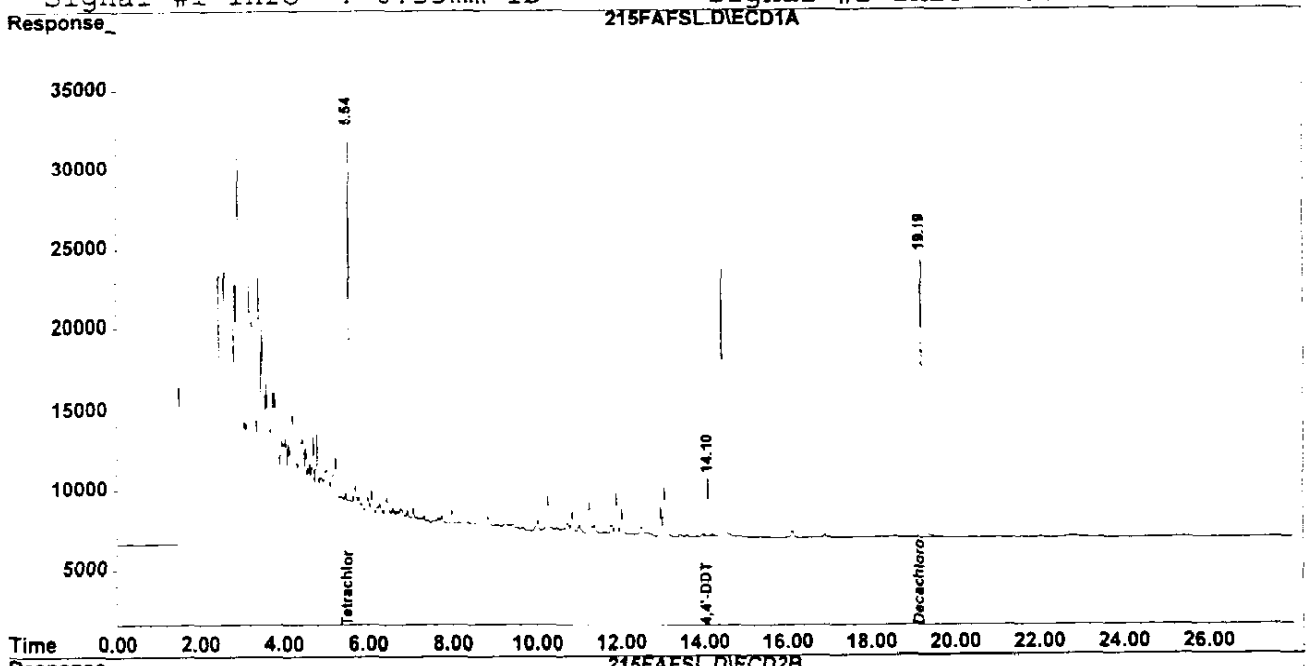
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.8	U
58-89-9	gamma-BHC	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
1024-57-3	Heptachlor Epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
5103-74-2	gamma-Chlordane	2.8	U
5103-71-9	alpha-Chlordane	2.8	U
72-55-9	4,4'-DDE	5.6	U
60-57-1	Dieldrin	5.6	U
72-20-8	Endrin	5.6	U
33213-65-9	Endosulfan II	5.6	U
72-54-8	4,4'-DDD	5.6	U
50-29-3	4,4'-DDT	6.6	
7421-36-3	Endrin Aldehyde	5.6	U
1031-07-8	Endosulfan Sulfate	5.6	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin Ketone	5.6	U
8001-35-2	Toxaphene	280	U

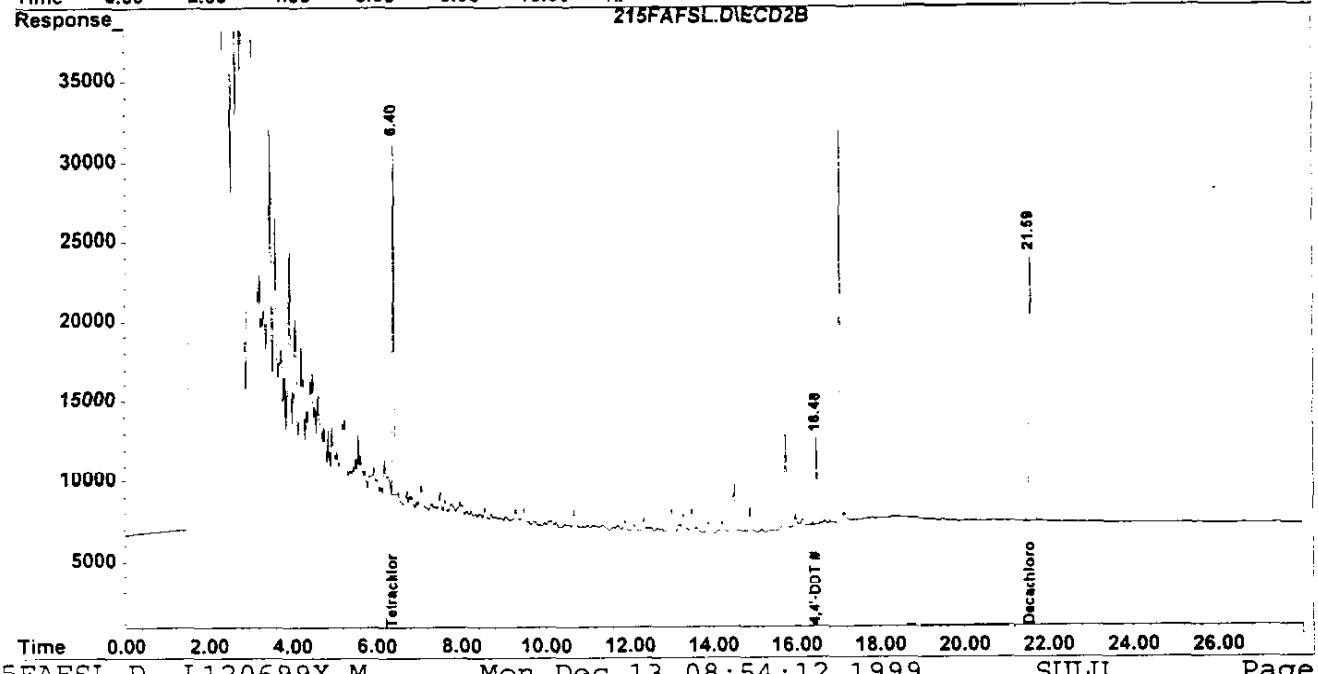
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\215FAFSL.D\ECD1A.CH Vial: 9
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\215FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 2:21 am Operator: GDM
Sample : 9913658 Inst : SL2
Misc : 683-H3W2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:44 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\215FAFSL.D\ECD1A.CH Vial: 9
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\215FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 2:21 am Operator: GDM
Sample : 9913658 Inst : SL2
Misc : 683-H3W2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:44 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	628468	654863	36.216m	33.712m
Spiked Amount 60.000 Range 30 - 150 Recovery =					60.36%	56.19%
22) S Decachlorobiphen	19.20	21.59	688253	805043	42.513	45.557
Spiked Amount 60.000 Range 30 - 150 Recovery =					70.86%	75.93%
Target Compounds						
17) MA 4,4'-DDT	14.10	16.48	148232	178306	11.855m	13.636m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)-RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G3A-1

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913659

Sample wt/vol: 30 (g/ml) G Lab File ID: 216FAFSL.D

% Moisture: 36 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

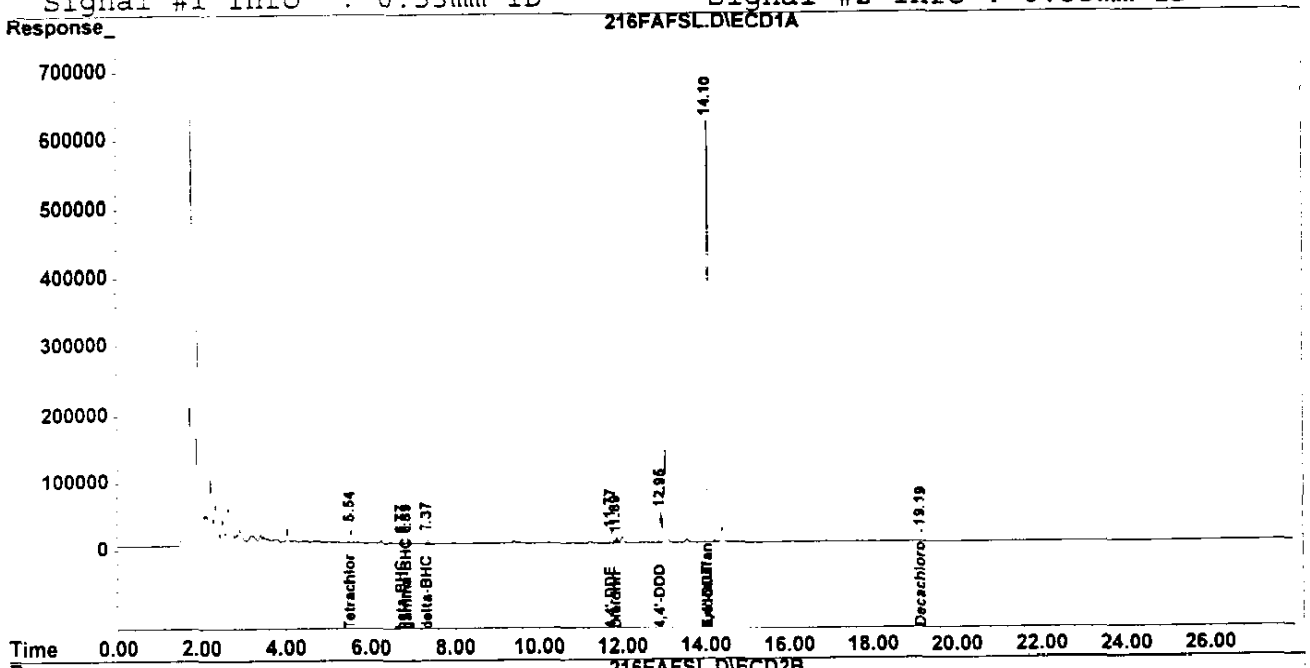
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
58-89-9	gamma-BHC	2.7	
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
319-85-7	beta-BHC	3.4	
319-86-8	delta-BHC	5.3	
1024-57-3	Heptachlor Epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
5103-74-2	gamma-Chlordane	2.6	U
5103-71-9	alpha-Chlordane	2.6	U
72-55-9	4,4'-DDE	20	
60-57-1	Dieldrin	7.5	P
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	61	P
50-29-3	4,4'-DDT	670	EP
7421-36-3	Endrin Aldehyde	5.2	U
1031-07-8	Endosulfan Sulfate	41	P
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin Ketone	5.2	U
8001-35-2	Toxaphene	260	U

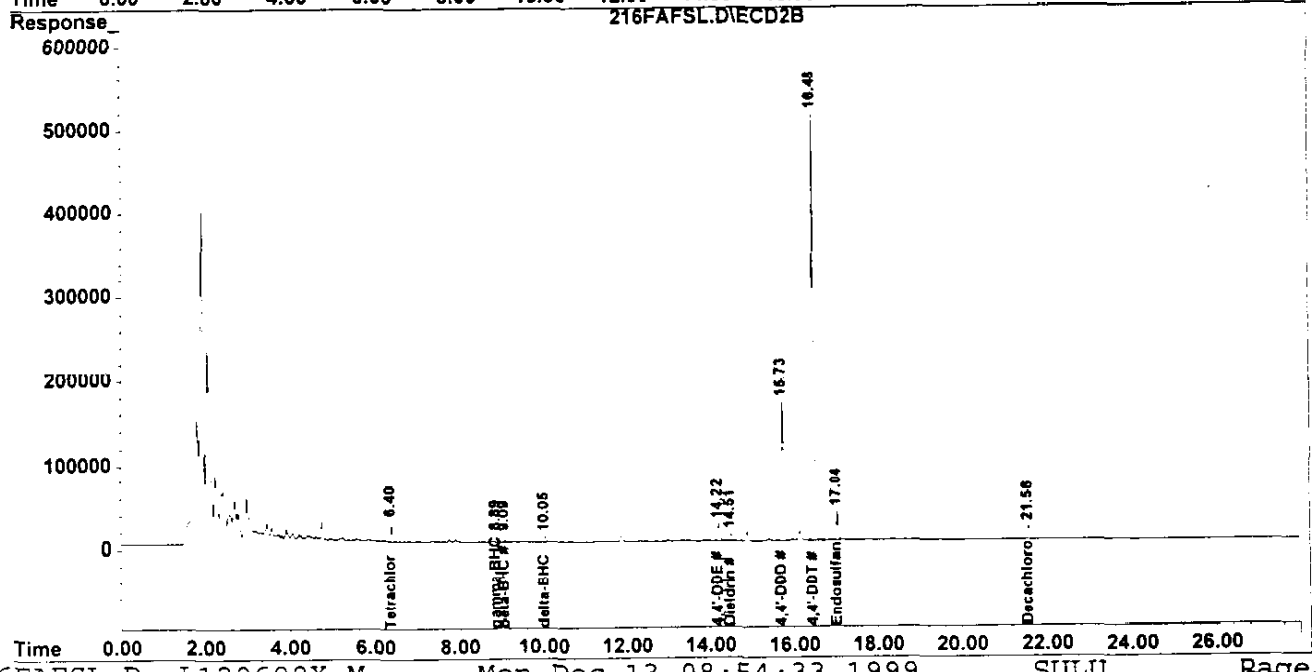
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\216FAFSL.D\ECD1A.CH Vial: 10
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\216FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 2:53 am Operator: GDM
Sample : 9913659 Inst : SL2
Misc : 683-F-G3A-1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:48 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\216FAFSL.D\ECD1A.CH Vial: 10
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\216FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 2:53 am Operator: GDM
Sample : 9913659 Inst : SL2
Misc : 683-F-G3A-1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:48 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	547598	579301	31.556m	29.822m
Spiked Amount 60.000 Range 30 - 150 Recovery =					52.59%	49.70%
22) S Decachlorobiphen	19.20	21.59	653030	770854	40.337	43.622
Spiked Amount 60.000 Range 30 - 150 Recovery =					67.23%	72.70%
Target Compounds						
3) MA gamma-BHC	6.89	8.89	102217	119208	5.095m	5.159m
5) B beta-BHC	6.77f	9.09	69707	83096	6.509m	6.739m
7) B delta-BHC	7.37f	10.05	185466	234360	10.190m	11.185m
12) B 4,4'-DDE	11.77	14.22	620249	834369	38.164	47.182
13) MA Dieldrin	11.89	14.51	253766	345821	14.475m	18.917 #
16) A 4,4' DDD	12.95	15.73	1609353	6283766	117.373	478.815 #
17) MA 4,4'-DDT	14.10	16.48	23949873	16802094	1915.357	1284.973 #
19) B Endosulfan Sulfa	14.10	17.05f	23949873	1032046	1743.490	79.367 #
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G3A-1DL

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913659X20

Sample wt/vol: 30 (g/ml) G Lab File ID: 227FAFSL.D

% Moisture: 36 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

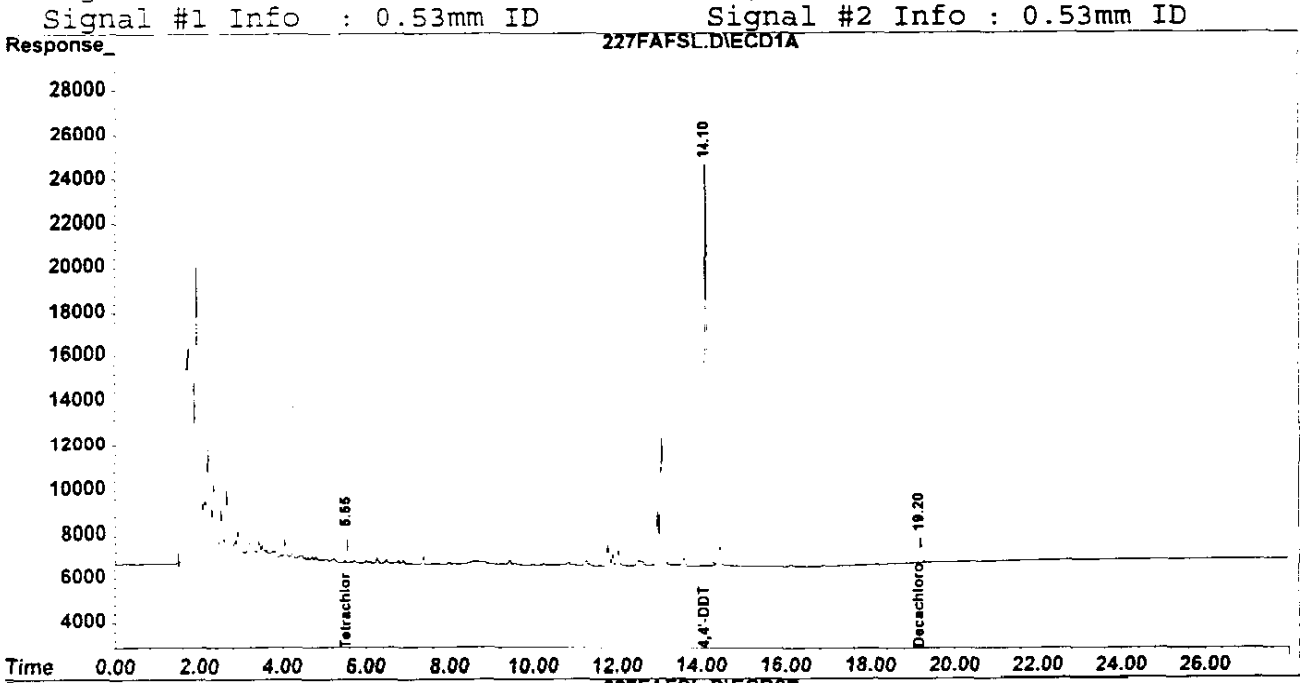
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	52	U
58-89-9	gamma-BHC	52	U
76-44-8	Heptachlor	52	U
309-00-2	Aldrin	52	U
319-85-7	beta-BHC	52	U
319-86-8	delta-BHC	52	U
1024-57-3	Heptachlor Epoxide	52	U
959-98-8	Endosulfan I	52	U
5103-74-2	gamma-Chlordane	52	U
5103-71-9	alpha-Chlordane	52	U
72-55-9	4,4'-DDE	100	U
60-57-1	Dieldrin	100	U
72-20-8	Endrin	100	U
33213-65-9	Endosulfan II	100	U
72-54-8	4,4'-DDD	100	U
50-29-3	4,4'-DDT	630	
7421-36-3	Endrin Aldehyde	100	U
1031-07-8	Endosulfan Sulfate	100	U
72-43-5	Methoxychlor	520	U
53494-70-5	Endrin Ketone	100	U
8001-35-2	Toxaphene	5200	U

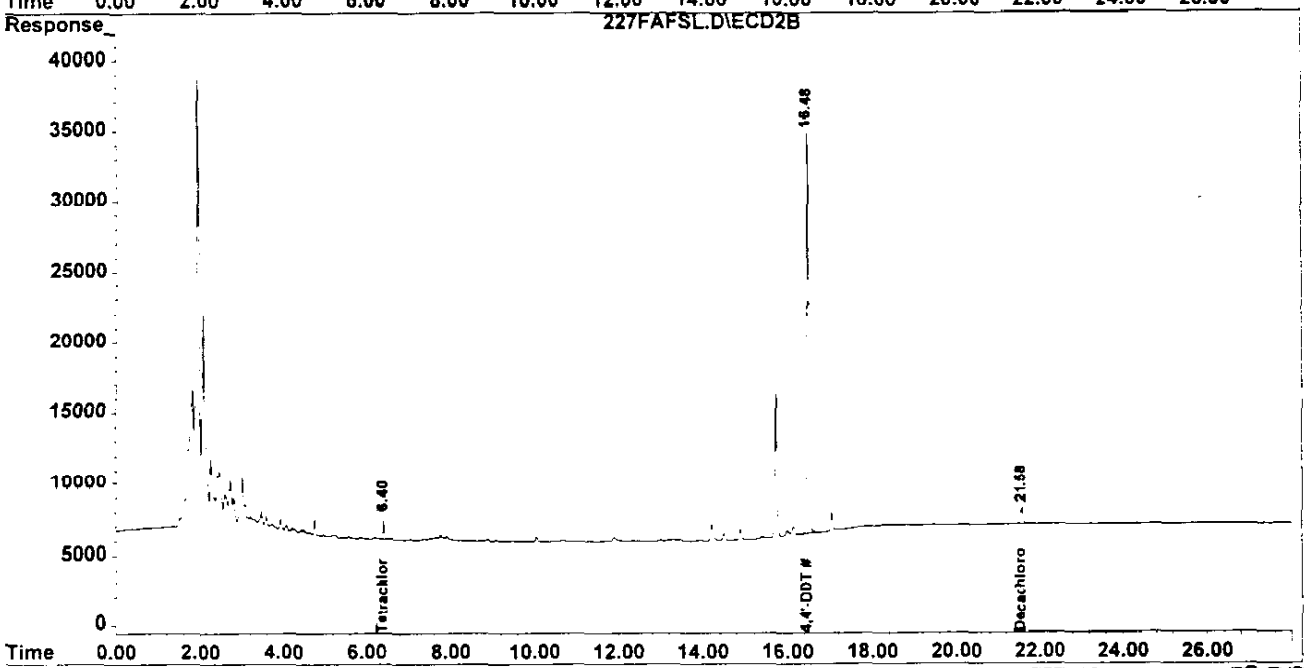
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\227FAFSL.D\ECD1A.CH Vial: 100
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\227FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 9:43 am Operator: GDM
Sample : 9913659X20 Inst : SL2
Misc : 683-F-G3A-1DL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 10:18 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\227FAFSL.D\ECD1A.CH Vial: 100
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\227FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 9:43 am Operator: GDM
Sample : 9913659X20 Inst : SL2
Misc : 683-F-G3A-1DL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 10:18 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.55	6.40	34056	36727	1.963m	1.891
Spiked Amount 60.000 Range 30 - 150 Recovery =					3.27%#	3.15%#
22) S Decachlorobiphen	19.20	21.58	44096	52444	2.724	2.968
Spiked Amount 60.000 Range 30 - 150 Recovery =					4.54%#	4.95%#
Target Compounds						
17) MA 4,4'-DDT	14.10	16.48	761239	910957	60.879	69.667
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int
227FAFSL.D L120699X.M Mon Dec 13 10:18:57 1999 SULU Page 1

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G3A-2

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913660

Sample wt/vol: 30 (g/ml) G Lab File ID: 217FAFSL.D

% Moisture: 25 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

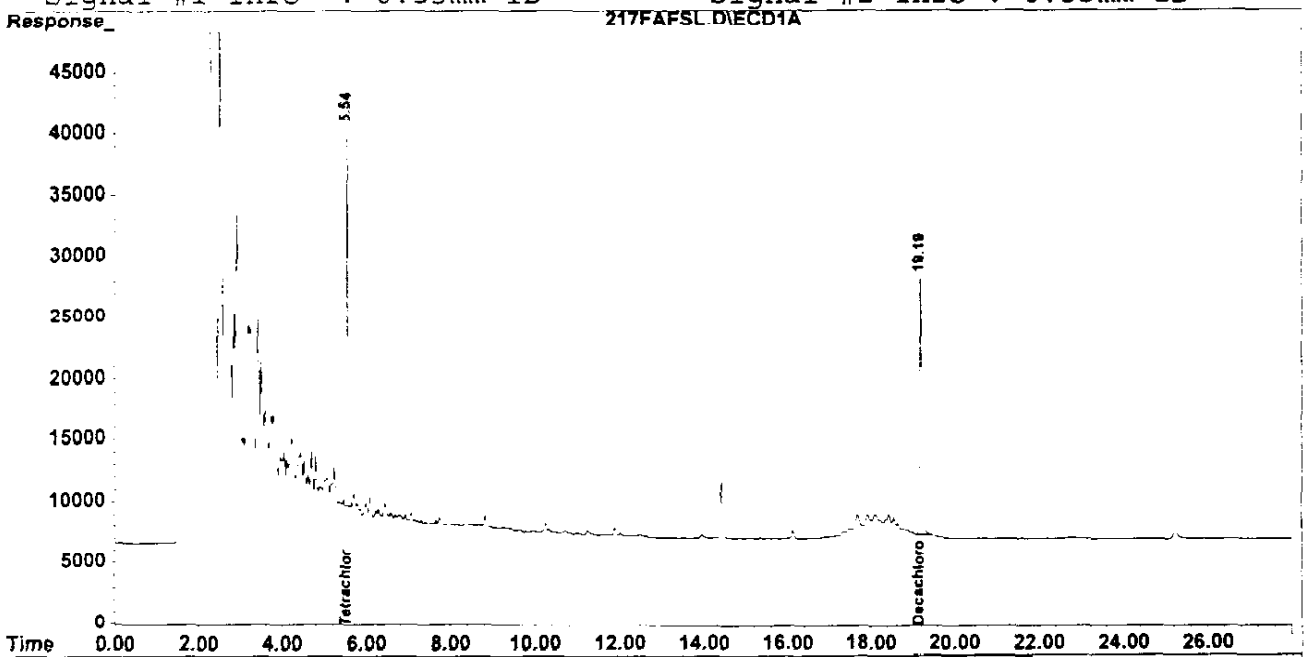
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
1024-57-3	Heptachlor Epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
5103-71-9	alpha-Chlordane	2.2	U
72-55-9	4,4'-DDE	4.4	U
60-57-1	Dieldrin	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
50-29-3	4,4'-DDT	4.4	U
7421-36-3	Endrin Aldehyde	4.4	U
1031-07-8	Endosulfan Sulfate	4.4	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin Ketone	4.4	U
8001-35-2	Toxaphene	220	U

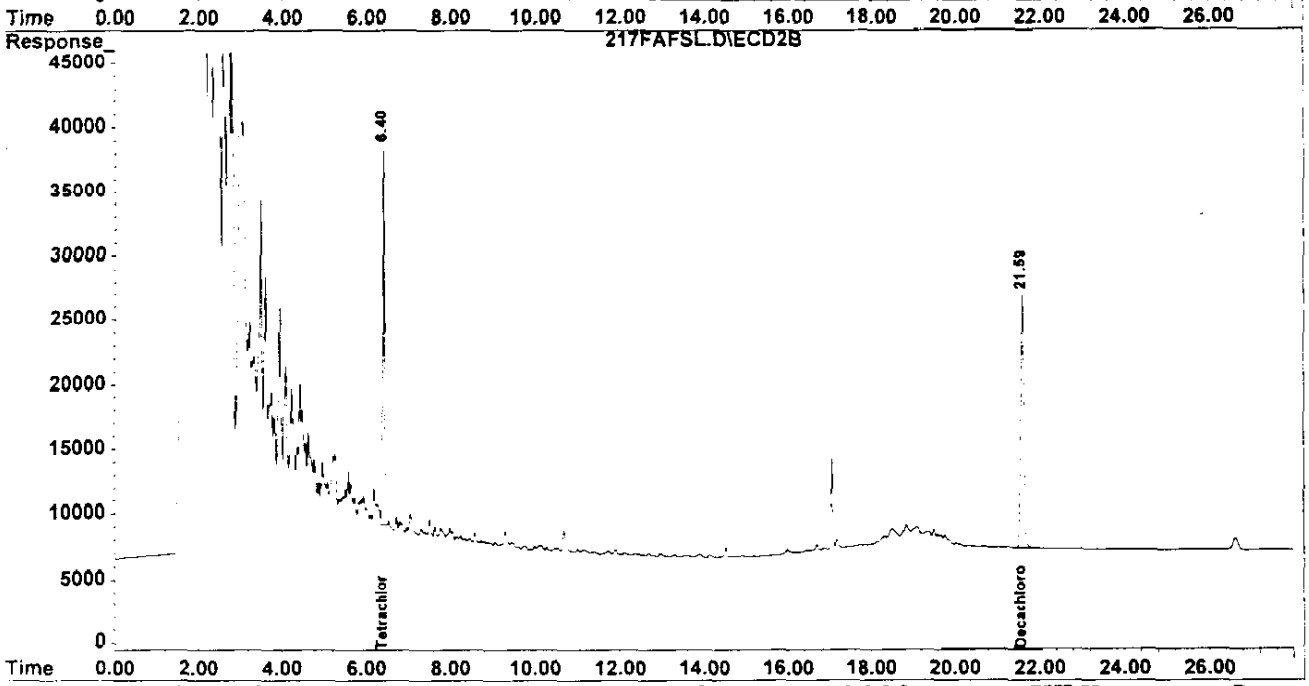
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\217FAFSL.D\ECD1A.CH Vial: 11
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\217FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 3:25 am Operator: GDM
Sample : 9913660 Inst : SL2
Misc : 683-F-G3A-2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:50 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\217FAFSL.D\ECD1A.CH Vial: 11
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\217FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 3:25 am Operator: GDM
Sample : 9913660 Inst : SL2
Misc : 683-F-G3A-2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:50 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	843202	896288	48.591m	46.141m
Spiked Amount 60.000 Range 30 - 150 Recovery =					80.99%	76.90%
22) S Decachlorobiphen	19.19	21.59	803848	958448	49.653m	54.238
Spiked Amount 60.000 Range 30 - 150 Recovery =					82.76%	90.40%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
217FAFSL.D L120699X.M Mon Dec 13 08:54:50 1999 SULU Page 1

C. Standards Data

Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response via : Initial Calibration

First Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\021FAFSL.D\ECD1A.C
Second Calibration Standard : 023FAFSL.D
Third Calibration Standard : 025FAFSL.D

Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
1 Tetrachloro-m-xylene	5.601	5.599	5.600	5.600	5.529	5.629
2 alpha-BHC	6.319	6.319	6.321	6.320	6.241	6.341
3 gamma-BHC	6.959	6.959	6.959	6.959	6.876	6.976
4 Heptachlor	8.489	8.490	8.491	8.490	8.405	8.505
9 Endosulfan I	11.284	11.284	11.285	11.284	11.171	11.311
13 Dieldrin	11.994	11.995	11.995	11.995	11.880	12.020
14 Endrin	12.612	12.613	12.614	12.613	12.497	12.637
16 4,4'-DDD	13.056	13.057	13.057	13.057	12.933	13.073
17 4,4'-DDT	14.205	14.208	14.208	14.207	14.084	14.224
20 Methoxychlor	15.718	15.717	15.717	15.718	15.608	15.748
22 Decachlorobiphenyl	19.295	19.296	19.296	19.296	19.153	19.353

Signal #2

First Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\021FAFSL.D\ECD2B.C
Second Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\023FAFSL.D\ECD2B.C
Third Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\025FAFSL.D\ECD2B.C

Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
1 Tetrachloro-m-xylene	6.466	6.464	6.466	6.465	6.401	6.501
2 alpha-BHC	7.990	7.990	7.992	7.991	7.920	8.020
3 gamma-BHC	8.977	8.977	8.979	8.978	8.905	9.005
4 Heptachlor	10.032	10.032	10.033	10.032	9.959	10.059
9 Endosulfan I	13.682	13.683	13.685	13.683	13.579	13.719
13 Dieldrin	14.618	14.620	14.621	14.620	14.520	14.660
14 Endrin	15.554	15.555	15.556	15.555	15.458	15.598
16 4,4'-DDD	15.835	15.836	15.837	15.836	15.738	15.878
17 4,4'-DDT	16.568	16.569	16.570	16.569	16.473	16.613
20 Methoxychlor	18.194	18.194	18.193	18.194	18.100	18.240
22 Decachlorobiphenyl	21.731	21.730	21.731	21.731	21.590	21.790

L120699P.M Tue Dec 07 08:58:03 1999 SPOCK

Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response via : Initial Calibration

First Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\016FAFSL.D\ECD1A.C
Second Calibration Standard : 018FAFSL.D
Third Calibration Standard : 020FAFSL.D

Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
1 Tetrachloro-m-xylene	5.602	5.601	5.596	5.600	5.529	5.629
5 Aldrin	9.327	9.326	9.326	9.326	9.278	9.378
6 beta-BHC	6.839	6.837	6.834	6.836	6.790	6.890
7 delta-BHC	7.445	7.445	7.442	7.444	7.396	7.496
8 Heptachlor Epoxide	10.326	10.325	10.324	10.325	10.257	10.397
10 gamma-Chlordane	10.941	10.940	10.939	10.940	10.872	11.012
11 alpha-Chlordane	11.346	11.345	11.344	11.345	11.278	11.418
12 4,4'-DDE	11.867	11.866	11.867	11.867	11.799	11.939
15 Endosulfan II	12.876	12.875	12.875	12.875	12.808	12.948
18 Endrin Aldehyde	13.436	13.433	13.433	13.434	13.367	13.507
19 Endosulfan Sulfate	14.165	14.165	14.164	14.165	14.097	14.237
21 Endrin Ketone	15.455	15.454	15.454	15.454	15.387	15.527
22 Decachlorobiphenyl	19.298	19.296	19.296	19.297	19.154	19.354

Signal #2

First Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\016FAFSL.D\ECD2B.C
Second Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\018FAFSL.D\ECD2B.C
Third Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\020FAFSL.D\ECD2B.C

Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
1 Tetrachloro-m-xylene	6.467	6.467	6.463	6.466	6.401	6.501
5 Aldrin	10.970	10.971	10.971	10.971	10.921	11.021
6 beta-BHC	9.179	9.178	9.176	9.178	9.130	9.230
7 delta-BHC	10.142	10.144	10.142	10.143	10.093	10.193
8 Heptachlor Epoxide	12.538	12.538	12.538	12.538	12.470	12.610
10 gamma-Chlordane	13.123	13.123	13.123	13.123	13.055	13.195
11 alpha-Chlordane	13.612	13.612	13.612	13.612	13.544	13.684
12 4,4'-DDE	14.329	14.329	14.330	14.329	14.261	14.401
15 Endosulfan II	16.017	16.017	16.017	16.017	15.948	16.088
18 Endrin Aldehyde	16.711	16.710	16.710	16.710	16.642	16.782
19 Endosulfan Sulfate	17.064	17.065	17.066	17.065	16.996	17.136
21 Endrin Ketone	18.547	18.547	18.548	18.547	18.478	18.618
22 Decachlorobiphenyl	21.732	21.731	21.732	21.731	21.591	21.791

L120699P.M Tue Dec 07 08:56:13 1999 SPOCK

Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response via : Initial Calibration

First Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\011FAFSL.D\ECD1A.C
Second Calibration Standard : 013FAFSL.D
Third Calibration Standard : 015FAFSL.D

Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
23 Aroclor-1016{1}	7.523	7.520	7.519	7.521	7.452	7.592
24 Aroclor-1016{2}	8.107	8.105	8.104	8.105	8.035	8.175
25 Aroclor-1016{3}	8.340	8.337	8.336	8.338	8.269	8.409
26 Aroclor-1016{4}	8.520	8.517	8.516	8.518	8.449	8.589
27 Aroclor-1016{5}	9.413	9.413	9.412	9.413	9.342	9.482
51 Aroclor-1260{1}	14.815	14.811	14.810	14.812	14.744	14.884
52 Aroclor-1260{2}	15.421	15.418	15.417	15.419	15.350	15.490
53 Aroclor-1260{3}	16.060	16.059	16.058	16.059	15.989	16.129
54 Aroclor-1260{4}	16.713	16.712	16.712	16.713	16.643	16.783
55 Aroclor-1260{5}	17.933	17.931	17.930	17.932	17.863	18.003

Signal #2

First Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\011FAFSL.D\ECD2B.C
Second Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\013FAFSL.D\ECD2B.C
Third Calibration Standard : O:\ORG\SVOA\ECD\SL2\06DEC99\015FAFSL.D\ECD2B.C

Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
23 Aroclor-1016{1}	8.875	8.874	8.872	8.874	8.805	8.945
24 Aroclor-1016{2}	9.948	9.947	9.946	9.947	9.878	10.018
25 Aroclor-1016{3}	10.352	10.351	10.349	10.351	10.282	10.422
26 Aroclor-1016{4}	10.692	10.691	10.688	10.690	10.622	10.762
27 Aroclor-1016{5}	11.706	11.704	11.702	11.704	11.635	11.775
51 Aroclor-1260{1}	17.457	17.453	17.455	17.455	17.386	17.526
52 Aroclor-1260{2}	17.627	17.627	17.628	17.627	17.557	17.697
53 Aroclor-1260{3}	17.803	17.800	17.802	17.802	17.732	17.872
54 Aroclor-1260{4}	18.697	18.696	18.695	18.696	18.627	18.767
55 Aroclor-1260{5}	19.874	19.872	19.872	19.872	19.804	19.944

L120699P.M Tue Dec 07 08:52:28 1999 SPOCK

Method : C:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999

Calibration Files
CON1 =021FAFSL.D CON2 =022FAFSL.D CON3 =023FAFSL.D
CON4 =024FAFSL.D CON5 =025FAFSL.D

		Compound	CON1	CON2	CON3	CON4	CON5	Avg		%RSD
1)	S	Tetrachloro-m-xylene	1.862	1.661	1.664	1.686	1.803	1.735	E4	5.30
2	A	alpha-BHC	1.797	1.785	2.048	2.207	2.515	2.070	E4	14.75
3	MA	gamma-BHC	1.830	1.779	1.979	2.090	2.352	2.006	E4	11.42
4	MA	Heptachlor	1.998	1.682	1.756	1.800	1.999	1.847	E4	7.83
5	MB	Aldrin	1.650	1.504	1.572	1.675	1.783	1.637	E4	6.46
6	B	beta-BHC	1.194	1.054	1.031	1.031	1.045	1.071	E4	6.50
7	B	delta-BHC	1.657	1.620	1.787	1.947	2.089	1.820	E4	10.85
8	B	Heptachlor Epoxide	1.776	1.564	1.570	1.622	1.686	1.644	E4	5.39
9	A	Endosulfan I	1.719	1.503	1.538	1.565	1.700	1.605	E4	6.09
10)	B	gamma-Chlordane	1.836	1.603	1.601	1.656	1.727	1.684	E4	5.88
11)	B	alpha-Chlordane	1.827	1.622	1.605	1.653	1.714	1.684	E4	5.34
12)	B	4,4'-DDE	1.495	1.456	1.599	1.734	1.843	1.625	E4	10.01
13)	MA	Dieldrin	1.598	1.551	1.727	1.835	2.054	1.753	E4	11.52
14)	MA	Endrin	1.520	1.375	1.497	1.619	1.773	1.557	E4	9.57
15)	B	Endosulfan II	1.513	1.418	1.475	1.545	1.606	1.511	E4	4.70
16)	A	4,4'-DDD	1.295	1.231	1.346	1.417	1.567	1.371	E4	9.42
17)	MA	4,4'-DDT	1.228	1.133	1.208	1.266	1.418	1.250	E4	8.42
18)	B	Endrin Aldehyde	1.383	1.256	1.254	1.278	1.313	1.297	E4	4.16
19)	B	Endosulfan Sulfate	1.416	1.294	1.334	1.384	1.441	1.374	E4	4.35
20)	A	Methoxychlor	7.935	7.725	7.959	8.158	8.775	8.111	E3	4.95
21)	B	Endrin Ketone	1.603	1.588	1.691	1.763	1.824	1.694	E4	5.98
22)	S	Decachlorobiphenyl	1.869	1.592	1.540	1.518	1.576	1.619	E4	8.82
)	L1	Aroclor-1016{1}	5.548	5.353	5.043	4.638	4.361	4.989	E2	9.85
24)	L1	Aroclor-1016{2}	1.733	1.676	1.569	1.465	1.409	1.571	E3	8.70
25)	L1	Aroclor-1016{3}	7.569	7.411	6.885	6.264	5.867	6.799	E2	10.73
26)	L1	Aroclor-1016{4}	5.332	5.049	4.645	4.310	4.073	4.682	E2	11.04
27)	L1	Aroclor-1016{5}	5.274	5.124	4.866	4.362	4.057	4.736	E2	10.86
51)	L7	Aroclor-1260{1}	7.785	7.442	7.120	6.480	6.152	6.996	E2	9.63
52)	L7	Aroclor-1260{2}	7.329	7.066	6.718	6.262	6.087	6.692	E2	7.83
53)	L7	Aroclor-1260{3}	1.488	1.488	1.445	1.433	1.468	1.464	E3	1.71
54)	L7	Aroclor-1260{4}	8.220	7.833	7.528	7.343	7.433	7.671	E2	4.67
55)	L7	Aroclor-1260{5}	3.144	3.350	3.187	3.059	3.044	3.157	E2	3.90

Signal #2 Calibration Files
CON1 =021FAFSL.D CON2 =022FAFSL.D CON3 =023FAFSL.D
CON4 =024FAFSL.D CON5 =025FAFSL.D

		Compound	CON1	CON2	CON3	CON4	CON5	Avg		%RSD
1)	S	Tetrachloro-m-xylene	2.219	1.969	1.859	1.814	1.852	1.943	E4	8.49
2)	A	alpha-BHC	2.194	2.292	2.421	2.460	2.627	2.399	E4	6.90
3)	MA	gamma-BHC	2.235	2.201	2.314	2.327	2.478	2.311	E4	4.64
4)	MA	Heptachlor	2.562	2.283	2.265	2.225	2.344	2.336	E4	5.72
5)	MB	Aldrin	2.082	1.935	1.942	1.962	1.984	1.981	E4	3.00
6)	B	beta-BHC	1.387	1.253	1.201	1.170	1.155	1.233	E4	7.63
7)	B	delta-BHC	1.992	1.999	2.103	2.168	2.216	2.095	E4	4.76
)	B	Heptachlor Epoxide	2.145	1.928	1.881	1.865	1.865	1.937	E4	6.15
)	A	Endosulfan I	2.052	1.827	1.828	1.803	1.880	1.878	E4	5.40
10)	B	gamma-Chlordane	2.270	2.018	1.950	1.929	1.930	2.020	E4	7.16
11)	B	alpha-Chlordane	2.222	1.998	1.940	1.919	1.925	2.001	E4	6.38

14	MA	Endrin	1.476	1.436	1.490	1.518	1.591	1.502	E4	3.86
15	B	Endosulfan II	1.770	1.505	1.484	1.472	1.471	1.540	E4	8.38
16	A	4,4'-DDD	1.266	1.267	1.318	1.317	1.394	1.312	E4	3.95
17	MA	4,4'-DDT	1.285	1.265	1.303	1.306	1.379	1.308	E4	3.30
18	B	Endrin Aldehyde	1.356	1.223	1.177	1.155	1.139	1.210	E4	7.24
19	B	Endosulfan Sulfate	1.338	1.292	1.292	1.288	1.291	1.300	E4	1.61
	A	Methoxychlor	8.248	7.346	6.961	6.654	6.806	7.203	E3	8.86
21	B	Endrin Ketone	1.365	1.366	1.385	1.395	1.399	1.382	E4	1.15
22	S	Decachlorobiphenyl	2.185	1.826	1.666	1.568	1.590	1.767	E4	14.41
23	I1	Aroclor-1016(1)	9.953	9.510	8.671	7.520	6.644	8.460	E2	16.25
24	I1	Aroclor-1016(2)	2.055	1.932	1.758	1.533	1.367	1.729	E3	16.30
25	I1	Aroclor-1016(3)	8.608	8.376	7.920	7.162	6.479	7.709	E2	11.44
26	I1	Aroclor-1016(4)	5.511	5.333	4.973	4.540	4.160	4.904	E2	11.37
27	I1	Aroclor-1016(5)	6.809	6.804	6.297	5.562	4.990	6.092	E2	13.12
51	I7	Aroclor-1260(1)	8.064	7.870	7.397	7.245	6.136	7.342	E2	10.26
52	I7	Aroclor-1260(2)	6.512	6.234	5.890	5.673	4.944	5.851	E2	10.25
53	I7	Aroclor-1260(3)	1.684	1.649	1.533	1.439	1.305	1.522	E3	10.20
54	I7	Aroclor-1260(4)	1.027	1.029	1.000	0.968	0.870	0.979	E3	6.71
55	I7	Aroclor-1260(5)	4.096	4.134	4.064	3.862	3.677	3.967	E2	4.87

(#) = Out of Range

L120699P.M Tue Dec 07 08:32:17 1999 SPOCK

7D

PESTICIDE EVALUATION MIXTURE SUMMARY

Lab Name: Severn Trent Labs

Contract: _____

Lab Code: STL-B

Instrument: SL2

Analysis Date: 6 Dec 1999 17:20

Lab Data File: 003FAFSL.D

GC Column: Rtx-5, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	6.33	139954
gamma-BHC	6.97	147957
beta-BHC	6.85	109569
4,4'-DDE	11.88	6713
Endrin	12.63	645657
4,4'-DDD	13.08	42033
4,4'-DDT	14.23	1062096
Endrin Aldehyde	13.45	16778
Methoxychlor	15.73	1622298
Endrin Ketone	15.47	16563

4,4'-DDT % Breakdown: 4.39%

Endrin % Breakdown: 4.91%

Combined % Breakdown: 9.30%

GC Column: Rtx-35, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	8	171962
gamma-BHC	8.99	179028
beta-BHC	9.19	117757
4,4'-DDE	14.34	7644
Endrin	15.57	631249
4,4'-DDD	15.85	47405
4,4'-DDT	16.58	1103785
Endrin Aldehyde	16.72	18025
Methoxychlor	18.2	1504361
Endrin Ketone	18.56	12385

4,4'-DDT % Breakdown: 4.75%

Endrin % Breakdown: 4.60%

Combined % Breakdown: 9.35%

7D

PESTICIDE EVALUATION MIXTURE SUMMARY

Lab Name	Severn Trent Labs	Contract:	_____
Lab Code	STL-B	Instrument:	SL2
Analysis Date	12/12/99 21:37	Lab Data File:	206FAFSL.D
GC Column	Rtx-5, 0.53 mm ID	GC Column:	Rtx-35, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	6.25	166555
gamma-BHC	6.89	175649
beta-BHC	6.77	126405
4,4'-DDE	11.77	13891
Endrin	12.51	707872
4,4'-DDD	12.96	71160
4,4'-DDT	14.1	1107159
Endrin Aldehyde	13.32	16547
Methoxychlor	15.63	1681272
Endrin Ketone	15.36	32684

4,4'-DDT % Breakdown:	7.13%
Endrin % Breakdown:	6.50%
Combined % Breakdown:	13.64%

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	7.91	237080
gamma-BHC	8.89	210773
beta-BHC	9.1	137175
4,4'-DDE	14.22	18627
Endrin	15.46	738835
4,4'-DDD	15.75	74863
4,4'-DDT	16.48	1248688
Endrin Aldehyde	16.62	27653
Methoxychlor	18.11	1758466
Endrin Ketone	18.45	30466

4,4'-DDT % Breakdown:	6.97%
Endrin % Breakdown:	7.29%
Combined % Breakdown:	14.26%

7D

PESTICIDE EVALUATION MIXTURE SUMMARY

Lab Name	Severn Trent Labs	Contract:	_____
Lab Code	STL-B	Instrument:	SL2
Analysis Date	12/13/99 7:07	Lab Data File:	224FAFSL.D
GC Column:	Rtx-5 0.53 mm ID	GC Column:	Rtx-35, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	6.25	159342
gamma-BHC	6.89	168682
beta-BHC	6.77	120334
4,4'-DDE	11.77	12002
Endrin	12.51	646208
4,4'-DDD	12.96	61995
4,4'-DDT	14.1	1016052
Endrin Aldehyde	13.32	25590
Methoxychlor	15.64	1528773
Endrin Ketone	15.36	40125

4,4'-DDT % Breakdown:	6.79%
Endrin % Breakdown:	9.23%
Combined % Breakdown:	16.02%

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	7.91	195682
gamma-BHC	8.89	202521
beta-BHC	9.1	131928
4,4'-DDE	14.22	19489
Endrin	15.46	706906
4,4'-DDD	15.75	65171
4,4'-DDT	16.49	1183938
Endrin Aldehyde	16.62	41996
Methoxychlor	18.11	1601295
Endrin Ketone	18.45	41356

4,4'-DDT % Breakdown:	6.67%
Endrin % Breakdown:	10.55%
Combined % Breakdown:	17.22%

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\027FAFSL.D\ECD1A.CH Vial: 25
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\027FAFSL.D\ECD2B.CH
Acq On : 6 Dec 1999 5:55 Operator: GDM
Sample : S-9308 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:39:52 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
5	MB	Aldrin	40.000	34.031	14.9	100	0.00
6	B	beta-BHC	40.000	35.173	12.1	100	0.00
7	B	delta-BHC	40.000	35.434	11.4	100	0.00
8	B	Heptachlor Epoxide	40.000	34.972	12.6	100	0.00
10	B	gamma-Chlordane	40.000	35.341	11.6	100	0.00
11	B	alpha-Chlordane	40.000	34.640	13.4	100	0.00
12	B	4,4'-DDE	80.000	71.201	11.0	100	0.00
15	B	Endosulfan II	80.000	72.981	8.8	100	0.00
18	B	Endrin Aldehyde	80.000	74.489	6.9	100	0.00
19	B	Endosulfan Sulfate	80.000	71.863	10.2	100	0.00
21	B	Endrin Ketone	80.000	72.135	9.8	100	0.00

Signal #2

5	MB	Aldrin	40.000	34.981	12.5	100	0.00
6	B	beta-BHC	40.000	35.567	11.1	100	0.00
7	B	delta-BHC	40.000	36.478	8.8	100	0.00
8	B	Heptachlor Epoxide	40.000	36.188	9.5	100	0.00
10	B	gamma-Chlordane	40.000	36.623	8.4	100	0.00
11	B	alpha-Chlordane	40.000	35.617	11.0	100	0.00
12	B	4,4'-DDE	80.000	73.128	8.6	100	0.00
15	B	Endosulfan II	80.000	73.924	7.6	100	0.00
18	B	Endrin Aldehyde	80.000	76.642	4.2	100	0.00
19	B	Endosulfan Sulfate	80.000	75.654	5.4	100	0.00
21	B	Endrin Ketone	80.000	76.209	4.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
027FAFSL.D L120699P.M Tue Dec 07 08:40:25 1999 SPOCK

Signal #1 : C:\ORG\SVOA\ECD\SL2\06DEC99\028FAFSL.D\ECD1A.CH Vial: 26
Signal #2 : C:\ORG\SVOA\ECD\SL2\06DEC99\028FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 6:27 Operator: GDM
Sample : S-9349 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : C:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:41:48 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	36.230	9.4	100	0.00
2	A	alpha-BHC	40.000	38.707	3.2	100	0.00
3	MA	gamma-BHC	40.000	38.739	3.2	100	0.00
4	MA	Heptachlor	40.000	37.140	7.1	100	0.00
9	A	Endosulfan I	40.000	37.716	5.7	100	0.00
13	MA	Dieldrin	80.000	75.814	5.2	100	0.00
14	MA	Endrin	80.000	71.526	10.6	100	0.00
16	A	4,4'-DDD	80.000	75.623	5.5	100	0.00
17	MA	4,4'-DDT	80.000	75.320	5.9	100	0.00
20	A	Methoxychlor	400.000	366.588	8.4	100	0.00
22	S	Decachlorobiphenyl	80.000	74.906	6.4	100	0.00

Signal #2

	S	Tetrachloro-m-xylene	40.000	36.179	9.6	100	0.00
2	A	alpha-BHC	40.000	39.365	1.6	100	0.00
3	MA	gamma-BHC	40.000	39.189	2.0	100	0.00
4	MA	Heptachlor	40.000	38.121	4.7	100	0.00
9	A	Endosulfan I	40.000	38.538	3.7	100	0.00
13	MA	Dieldrin	80.000	77.669	2.9	100	0.00
14	MA	Endrin	80.000	75.241	5.9	100	0.00
16	A	4,4'-DDD	80.000	78.984	1.3	100	0.00
17	MA	4,4'-DDT	80.000	79.074	1.2	100	0.00
20	A	Methoxychlor	400.000	370.826	7.3	100	0.00
22	S	Decachlorobiphenyl	80.000	74.303	7.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
028FAFSL.D L120699P.M Tue Dec 07 08:42:24 1999 SPOCK

Signal #1 : C:\ORG\SVOA\ECD\SL2\06DEC99\204FAFSL.D\ECD1A.CH Vial: 51
Signal #2 : C:\ORG\SVOA\ECD\SL2\06DEC99\204FAFSL.D\ECD2B.CH
Acq On : 11 Dec 1999 20:34 Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events e IntFile Signal #2: EVENTS2.E

Method : C:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
Signal #1						
5 MB	Aldrin	40.000	36.961	7.6	0	-0.02
6 B	beta-BHC	40.000	38.257	4.4	0	-0.03
7 B	delta-BHC	40.000	38.048	4.9	0	-0.02
8 B	Heptachlor Epoxide	40.000	37.164	7.1	0	-0.02
10 B	gamma-Chlordane	40.000	37.675	5.8	0	-0.02
11 B	alpha-Chlordane	40.000	37.126	7.2	0	-0.02
12 B	4,4'-DDE	80.000	77.603	3.0	0	-0.02
15 B	Endosulfan II	80.000	78.060	2.4	0	-0.03
18 B	Endrin Aldehyde	80.000	77.011	3.7	0	-0.03
19 B	Endosulfan Sulfate	80.000	72.793	9.0	0	-0.03
21 B	Endrin Ketone	80.000	78.013	2.5	0	-0.02
ignal #2						
5 MB	Aldrin	40.000	37.385	6.5	0	-0.02
6 B	beta-BHC	40.000	37.766	5.6	0	-0.02
7 B	delta-BHC	40.000	38.913	2.7	0	-0.02
8 B	Heptachlor Epoxide	40.000	38.205	4.5	0	-0.02
10 B	gamma-Chlordane	40.000	38.516	3.7	0	-0.02
11 B	alpha-Chlordane	40.000	37.740	5.6	0	-0.02
12 B	4,4'-DDE	80.000	79.590	0.5	0	-0.02
15 B	Endosulfan II	80.000	80.306	-0.4	0	-0.02
18 B	Endrin Aldehyde	80.000	80.806	-1.0	0	-0.01
19 B	Endosulfan Sulfate	80.000	77.821	2.7	0	-0.01
21 B	Endrin Ketone	80.000	87.440	-9.3	0	-0.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
250FAESL.D L120699X.M Sun Dec 12 21:44:00 1999 SPOCK

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\205FAFSL.D\ECD1A.CH Vial: 52
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\205FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 21:06 Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration

Min. RRF : 1.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	40.000	39.366	1.6	0	0.00
2	A	alpha-BHC	40.000	42.321	-5.8	0	-0.01
3	MA	gamma-BHC	40.000	41.714	-4.3	0	-0.02
4	MA	Heptachlor	40.000	37.660	5.9	0	-0.02
9	A	Endosulfan I	40.000	39.778	0.6	0	-0.02
13	MA	Dieldrin	80.000	79.963	0.0	0	-0.02
14	MA	Endrin	80.000	76.922	3.8	0	-0.02
16	A	4,4'-DDD	80.000	81.083	-1.4	0	-0.02
17	MA	4,4'-DDT	80.000	70.715	11.6	0	-0.02
20	A	Methoxychlor	400.000	342.264	14.4	0	-0.02
22	S	Decachlorobiphenyl	80.000	80.592	-0.7	0	-0.02

Signal #2

	S	Tetrachloro-m-xylene	40.000	38.639	3.4	0	0.00
2	A	alpha-BHC	40.000	42.313	-5.8	0	-0.01
3	MA	gamma-BHC	40.000	41.798	-4.5	0	-0.01
4	MA	Heptachlor	40.000	39.394	1.5	0	-0.01
9	A	Endosulfan I	40.000	40.685	-1.7	0	-0.02
13	MA	Dieldrin	80.000	81.698	-2.1	0	-0.02
14	MA	Endrin	80.000	81.035	-1.3	0	-0.01
16	A	4,4'-DDD	80.000	85.481	-6.9	0	-0.01
17	MA	4,4'-DDT	80.000	76.790	4.0	0	-0.01
20	A	Methoxychlor	400.000	364.930	8.8	0	-0.01
22	S	Decachlorobiphenyl	80.000	81.480	-1.9	0	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\222FAFSL.D\ECD1A.CH Vial: 16
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\222FAFSL.D\ECD2B.CH
Acq on : 18 Dec 1999 9:04 am Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX(B,S) Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : C:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration

Min. RRF : [illegible] Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	33.992	15.0#	0	-0.01
5	MB	Aldrin	40.000	34.136	14.7	0	-0.02
6	B	beta-BHC	40.000	35.831	10.4	0	-0.03
7	B	delta-BHC	40.000	34.706	13.2	0	-0.03
8	B	Heptachlor Epoxide	40.000	34.074	14.8	0	-0.02
10	B	gamma-Chlordane	40.000	34.557	13.6	0	-0.02
11	B	alpha-Chlordane	40.000	34.347	14.1	0	-0.02
12	B	4,4'-DDE	80.000	70.988	11.3	0	-0.02
15	B	Endosulfan II	80.000	71.125	11.1	0	-0.03
18	B	Endrin Aldehyde	80.000	69.892	12.6	0	-0.03
19	B	Endosulfan Sulfate	80.000	66.732	16.6#	0	-0.03
21	B	Endrin Ketone	80.000	71.538	10.6	0	-0.02
22	S	Decachlorobiphenyl	80.000	66.251	17.2#	0	-0.02

ignal #2

1	S	Tetrachloro-m-xylene	40.000	34.046	14.9	0	0.00
5	MB	Aldrin	40.000	35.092	12.3	0	-0.02
6	B	beta-BHC	40.000	35.773	10.6	0	-0.02
7	B	delta-BHC	40.000	35.877	10.3	0	-0.02
8	B	Heptachlor Epoxide	40.000	35.923	10.2	0	-0.02
10	B	gamma-Chlordane	40.000	36.326	9.2	0	-0.02
11	B	alpha-Chlordane	40.000	35.717	10.7	0	-0.02
12	B	4,4'-DDE	80.000	75.126	6.1	0	-0.02
15	B	Endosulfan II	80.000	76.923	3.8	0	-0.02
18	B	Endrin Aldehyde	80.000	75.584	5.5	0	-0.01
19	B	Endosulfan Sulfate	80.000	73.900	7.6	0	-0.01
21	B	Endrin Ketone	80.000	82.486	-3.1	0	-0.05
22	S	Decachlorobiphenyl	80.000	69.555	13.1	0	-0.02

Signal #1 : D:\ORG\SVOA\ECD\SL2\06DEC99\223FAFSL.D\ECD1A.CH Vial: 17
Signal #2 : D:\ORG\SVOA\ECD\SL2\06DEC99\223FAFSL.D\ECD2B.CH
Acq on : 13 Dec 1999 6:35 am Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : D: ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration

Min. RRF : 1.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	37.044	7.4	0	0.00
2	A	alpha-BHC	40.000	39.371	1.6	0	-0.01
3	MA	gamma-BHC	40.000	38.870	2.8	0	-0.02
4	MA	Heptachlor	40.000	33.876	15.3#	0	-0.02
9	A	Endosulfan I	40.000	36.429	8.9	0	-0.02
13	MA	Dieldrin	80.000	73.617	8.0	0	-0.02
14	MA	Endrin	80.000	67.485	15.6#	0	-0.02
16	A	4,4'-DDD	80.000	75.696	5.4	0	-0.02
17	MA	4,4'-DDT	80.000	63.383	20.8#	0	-0.02
20	A	Methoxychlor	400.000	300.667	24.8#	0	-0.02
22	S	Decachlorobiphenyl	80.000	75.382	5.8	0	-0.01

Signal #2

	S	Tetrachloro-m-xylene	40.000	36.874	7.8	0	0.00
2	A	alpha-BHC	40.000	40.011	-0.0	0	-0.01
3	MA	gamma-BHC	40.000	39.381	1.5	0	-0.01
4	MA	Heptachlor	40.000	36.755	8.1	0	-0.01
9	A	Endosulfan I	40.000	38.693	3.3	0	-0.02
13	MA	Dieldrin	80.000	77.512	3.1	0	-0.02
14	MA	Endrin	80.000	72.926	8.8	0	-0.01
16	A	4,4'-DDD	80.000	81.203	-1.5	0	-0.01
17	MA	4,4'-DDT	80.000	70.962	11.3	0	-0.01
20	A	Methoxychlor	400.000	333.281	16.7#	0	-0.01
22	S	Decachlorobiphenyl	80.000	78.135	2.3	0	-0.02

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\233FAFSL.D\ECD1A.CH Vial: 37
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\233FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 12:59 pm Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : C: ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator)
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	39.970	0.1	0	0.00
5	MB	Aldrin	40.000	40.134	-0.3	0	-0.02
6	B	beta-BHC	40.000	40.782	-2.0	0	-0.03
7	B	delta-BHC	40.000	40.098	-0.2	0	-0.03
8	B	Heptachlor Epoxide	40.000	37.922	5.2	0	-0.02
10	B	gamma-Chlordane	40.000	37.759	5.6	0	-0.02
11	B	alpha-Chlordane	40.000	38.967	2.6	0	-0.02
12	B	4,4'-DDE	80.000	80.737	-0.9	0	-0.02
15	B	Endosulfan II	80.000	77.182	3.5	0	-0.03
18	B	Endrin Aldehyde	80.000	71.018	11.2	0	-0.03
19	B	Endosulfan Sulfate	80.000	72.642	9.2	0	-0.03
21	B	Endrin Ketone	80.000	79.608	0.5	0	-0.03
22	S	Decachlorobiphenyl	80.000	76.440	4.5	0	-0.02

Signal #2

1	S	Tetrachloro-m-xylene	40.000	39.854	0.4	0	0.00
5	MB	Aldrin	40.000	40.992	-2.5	0	-0.02
6	B	beta-BHC	40.000	40.431	-1.1	0	-0.02
7	B	delta-BHC	40.000	40.916	-2.3	0	-0.02
8	B	Heptachlor Epoxide	40.000	39.812	0.5	0	-0.02
10	B	gamma-Chlordane	40.000	39.920	0.2	0	-0.02
11	B	alpha-Chlordane	40.000	40.463	-1.2	0	-0.02
12	B	4,4'-DDE	80.000	84.636	-5.8	0	-0.02
15	B	Endosulfan II	80.000	83.719	-4.6	0	-0.02
18	B	Endrin Aldehyde	80.000	77.860	2.7	0	-0.02
19	B	Endosulfan Sulfate	80.000	81.827	-2.3	0	-0.02
21	B	Endrin Ketone	80.000	92.680	-15.9#	0	-0.05
22	S	Decachlorobiphenyl	80.000	81.021	-1.3	0	-0.02

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\234FAFSL.D\ECD1A.CH Vial: 38
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\234FAFSL.D\ECD2B.CH
Acq On : 10 Dec 1999 1:30 pm Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX(A,S) Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O: ORG SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator)
Title : 8081 82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	37.245	6.9	0	-0.01
2	A	alpha-BHC	40.000	39.871	0.3	0	-0.02
3	MA	gamma-BHC	40.000	39.236	1.9	0	-0.02
4	MA	Heptachlor	40.000	32.992	17.5#	0	-0.02
9	A	Endosulfan I	40.000	36.126	9.7	0	-0.02
13	MA	Dieldrin	80.000	72.961	8.8	0	-0.02
14	MA	Endrin	80.000	64.810	19.0#	0	-0.02
16	A	4,4'-DDD	80.000	74.263	7.2	0	-0.02
17	MA	4,4'-DDT	80.000	62.460	21.9#	0	-0.03
20	A	Methoxychlor	400.000	290.617	27.3#	0	-0.02
22	S	Decachlorobiphenyl	80.000	74.507	6.9	0	-0.02

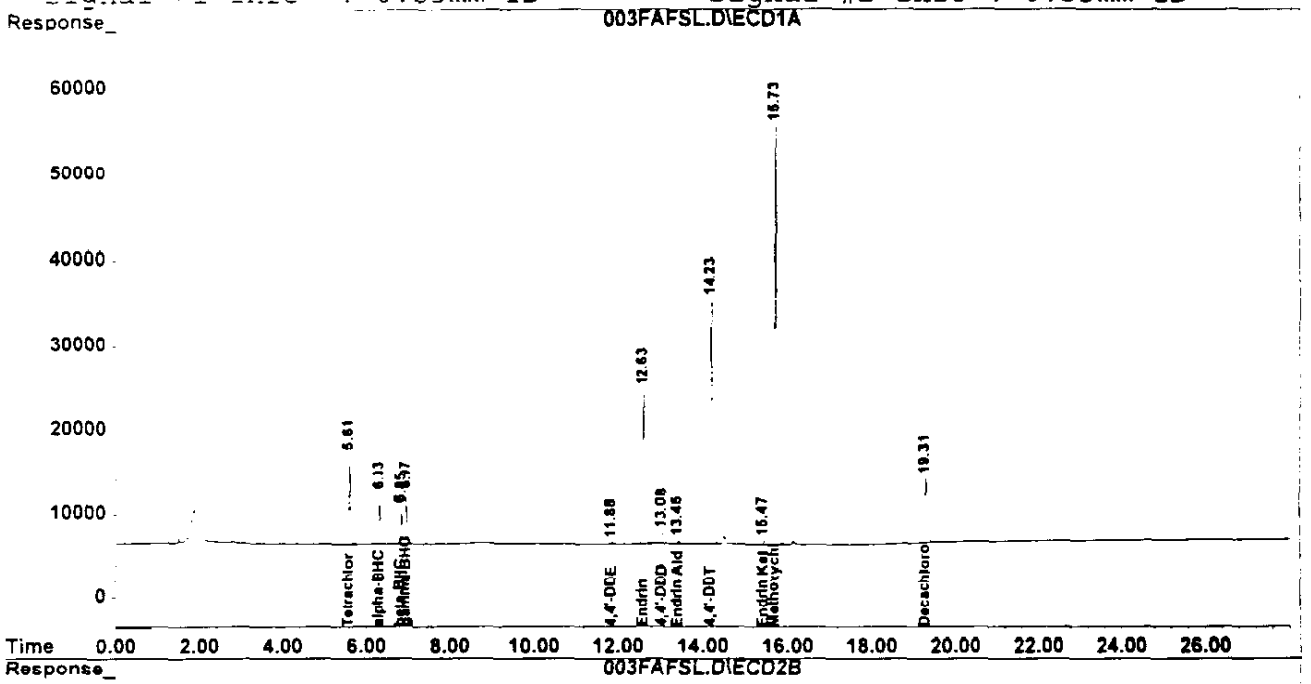
Signal #2

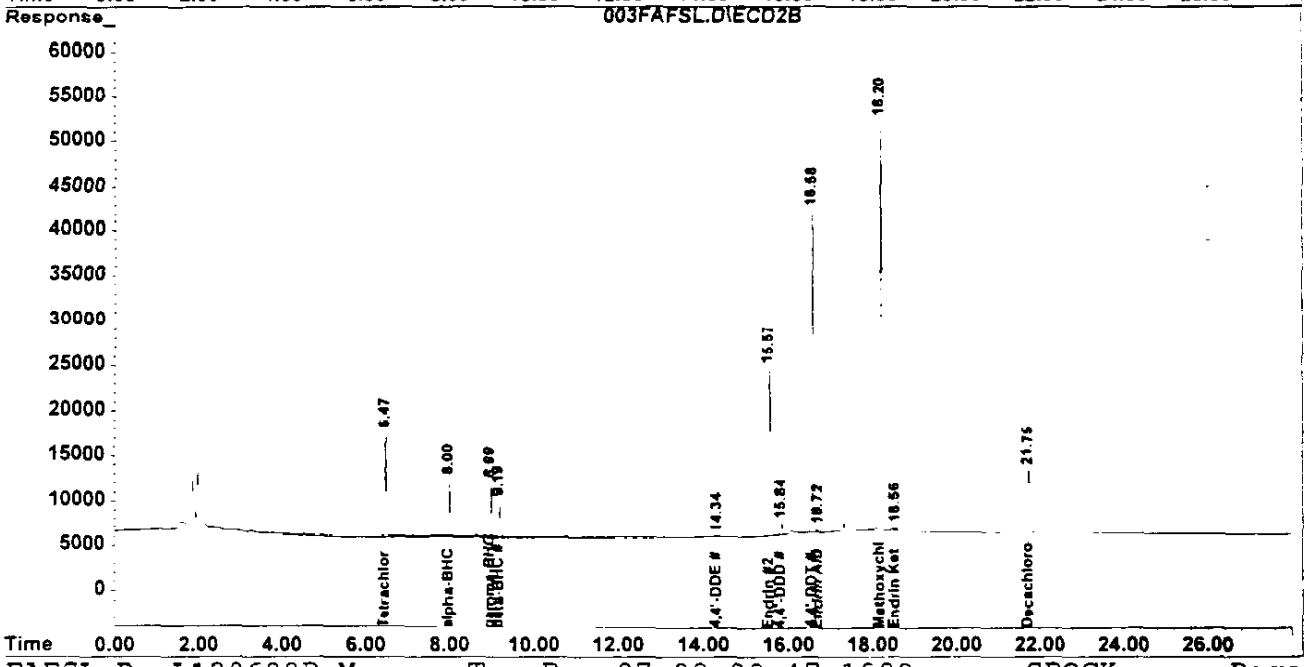
	S	Tetrachloro-m-xylene	40.000	37.253	6.9	0	0.00
2	A	alpha-BHC	40.000	40.796	-2.0	0	-0.01
3	MA	gamma-BHC	40.000	40.099	-0.2	0	-0.01
4	MA	Heptachlor	40.000	36.725	8.2	0	-0.02
9	A	Endosulfan I	40.000	38.779	3.1	0	-0.02
13	MA	Dieldrin	80.000	77.613	3.0	0	-0.02
14	MA	Endrin	80.000	71.632	10.5	0	-0.02
16	A	4,4'-DDD	80.000	81.289	-1.6	0	-0.01
17	MA	4,4'-DDT	80.000	71.886	10.1	0	-0.02
20	A	Methoxychlor	400.000	332.102	17.0#	0	-0.01
22	S	Decachlorobiphenyl	80.000	79.254	0.9	0	-0.02

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\003FAFSL.D\ECD1A.CH Vial: 1
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\003FAFSL.D\ECD2B.CH
Acq On : 6 Dec 1999 17:20 Operator: GDM
Sample : S-9399 Inst : SL2
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:37 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030051

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\003FAFSL.D\ECD1A.CH Vial: 1
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\003FAFSL.D\ECD2B.CH
Acq On : 6 Dec 1999 17:20 Operator: GDM
Sample : S-9399 Inst : SL2
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:37 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

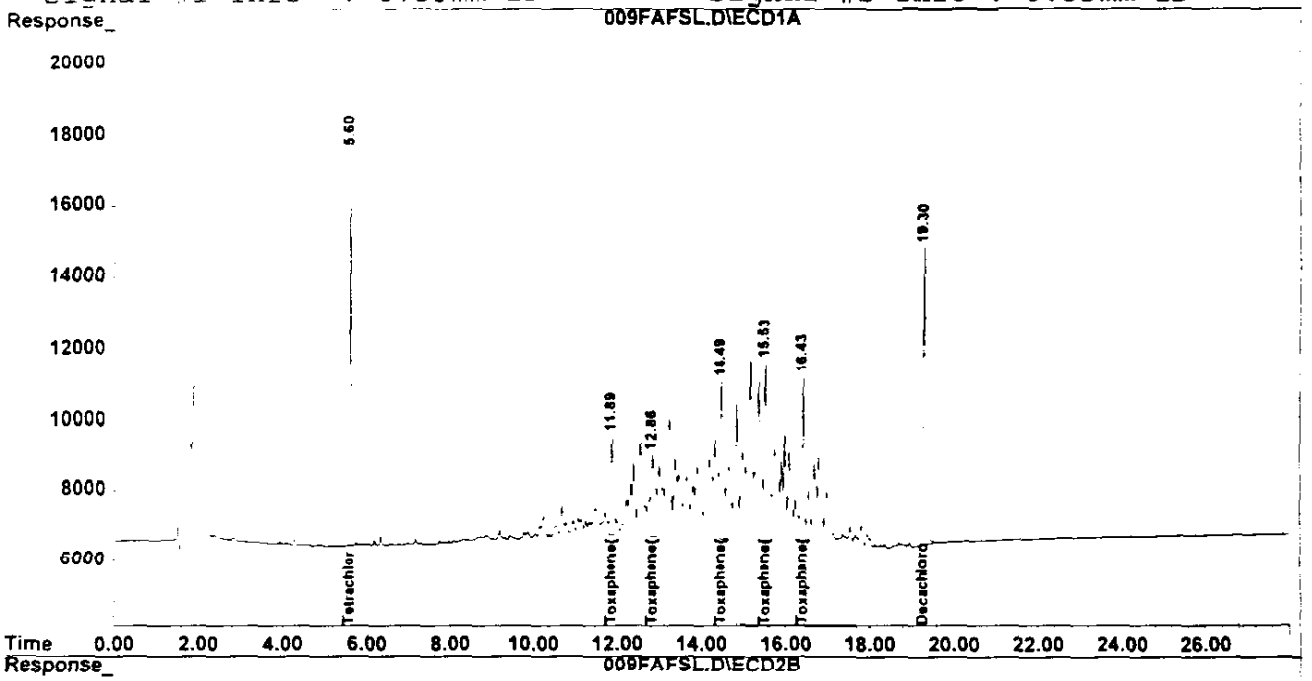
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	5.61	6.47	282643	331177	16.288	17.049
		Spiked Amount 60.000 Range 30 - 150 Recovery =					27.15%#	28.42%#
22)	S	Decachlorobiphen	19.31	21.75	291873	337731	18.029	19.112
		Spiked Amount 60.000 Range 30 - 150 Recovery =					30.05%	31.85%
		Target Compounds						
2)	A	alpha-BHC	6.33	8.00	139954	171962	6.760	7.169
3)	MA	gamma-BHC	6.97	8.99	147957	179028	7.375	7.747
6)	B	beta-BHC	6.85	9.19	109569	117757	10.231	9.550
	B	4,4'-DDE	11.88	14.34	6713	7644	0.413m	0.432m
	MA	Endrin	12.63	15.57	645657	631249	41.467	42.025
16)	A	4,4'-DDD	13.08	15.85	42033	47405	3.066	3.612
17)	MA	4,4'-DDT	14.23	16.58	1062096	1103785	84.940	84.414
18)	B	Endrin Aldehyde	13.45	16.72	16778	18025	1.294	1.490
20)	A	Methoxychlor	15.73	18.20	1622298	1504361	200.021	208.843
21)	B	Endrin Ketone	15.47	18.56	16563	12385	0.978	0.896m

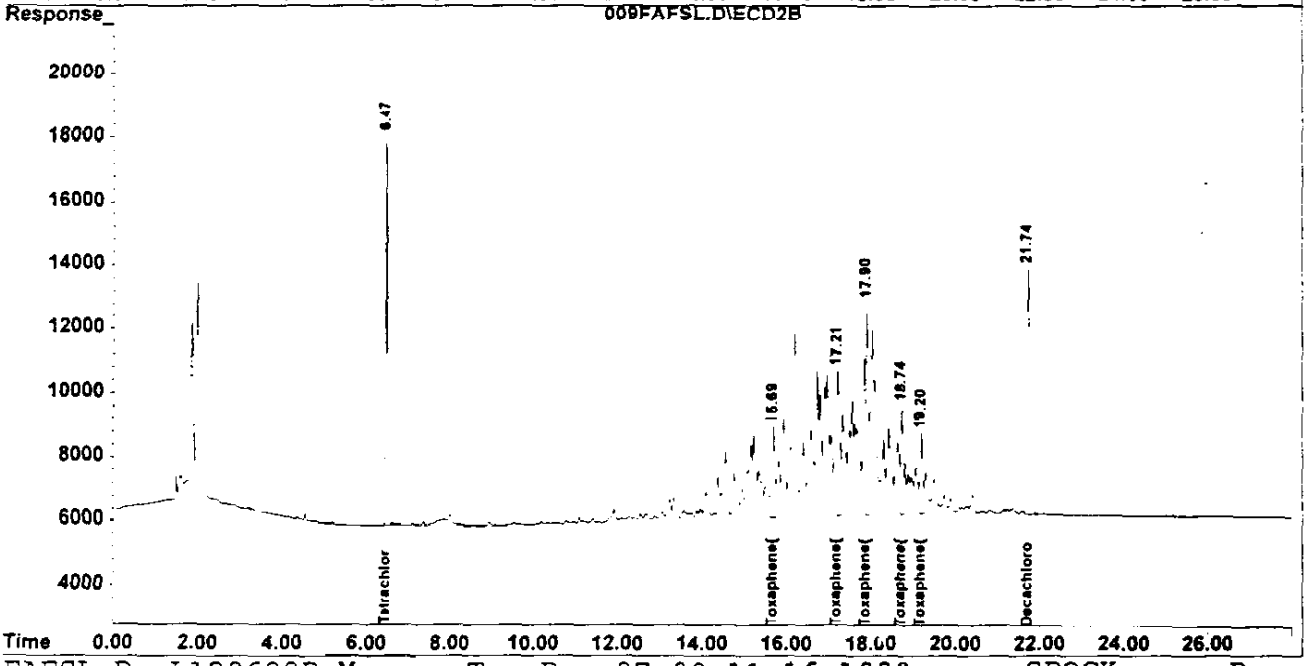
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\009FAFSL.D\ECD1A.CH Vial: 7
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\009FAFSL.D\ECD2B.CH
Acq On : 6 Dec 1999 20:27 Operator: GDM
Sample : S-9513 Inst : SL2
Misc : TOXAPH MIX[L8,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:29 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\009FAFSL.D\ECD1A.CH Vial: 7
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\009FAFSL.D\ECD2B.CH
Acq On : 6 Dec 1999 20:27 Operator: GDM
Sample : S-9513 Inst : SL2
Misc : TOXAPH MIX[L8,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:29 1999 Quant Results File: L120699P.RES

Quant Method : C:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

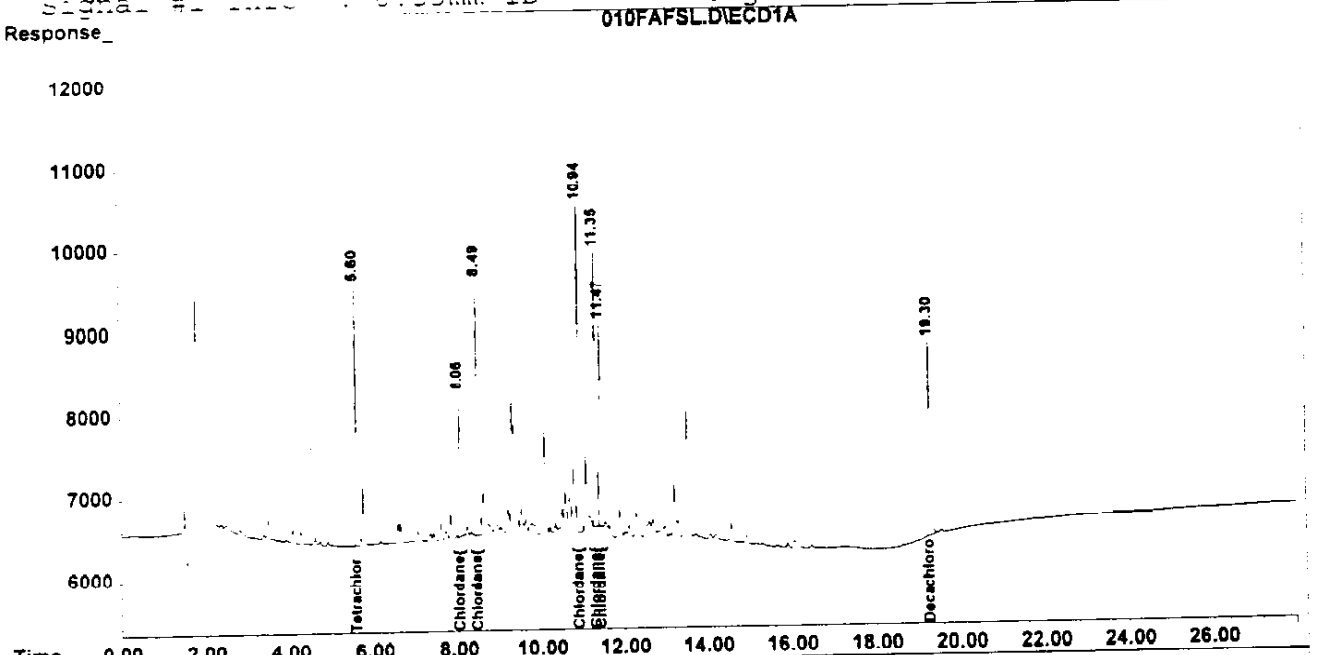
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.60	6.47	303872	358352	16.308	16.065
Spiked Amount 60.000 Range 30 - 150 Recovery =					27.18%#	26.78%#
22) S Decachlorobiphen	19.30	21.74	321319	371946	19.506m	17.398
Spiked Amount 60.000 Range 30 - 150 Recovery =					32.51%	29.00%#
Target Compounds						
56) L8 Toxaphene{1}	11.90	15.69	137729	144545	358.877	274.211
57) L8 Toxaphene{2}	12.86	17.21	147263	307631	289.522	397.521 #
58) L8 Toxaphene{3}	14.49	17.91	255619	269286	389.035	186.232 #
L8 Toxaphene{4}	15.53	18.74	305932	143644	351.751	213.984 #
60) L8 Toxaphene{5}	16.43	19.20	193759	109261	368.059	279.558

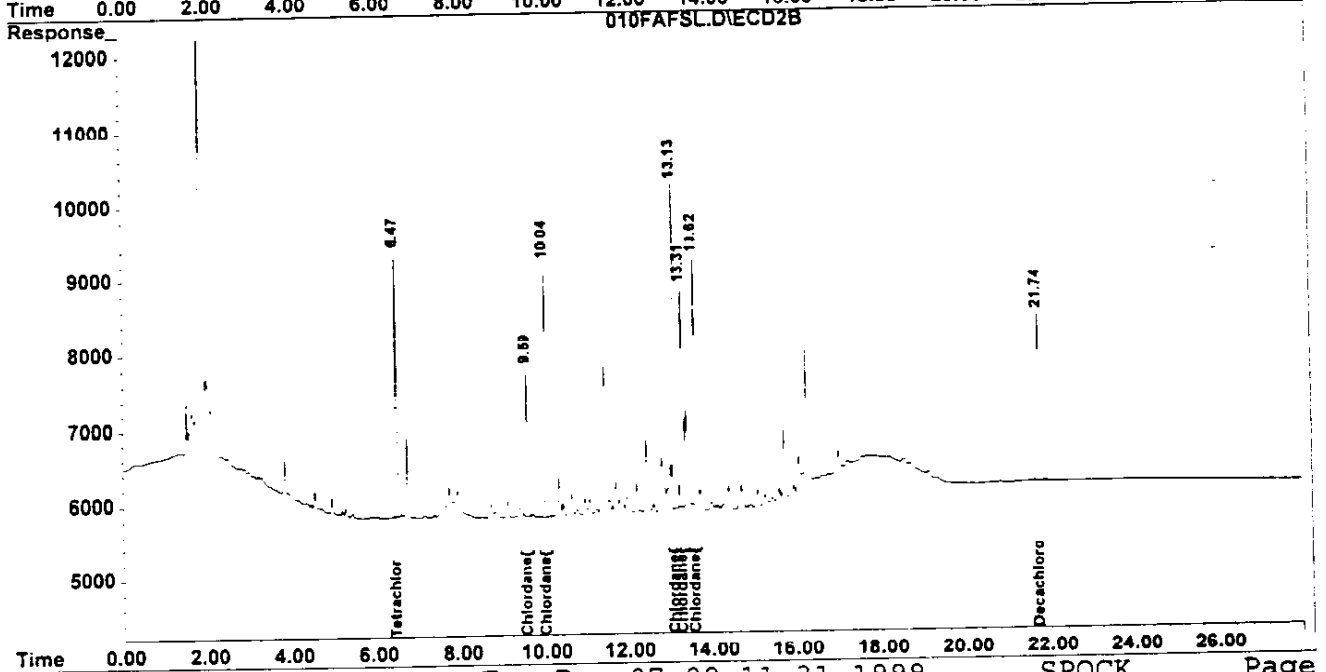
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\010FAFSL.D\ECD1A.CH Vial: 8
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\010FAFSL.D\ECD2B.CH
Acq On : 6 Dec 1999 20:59 Operator: GDM
Sample : S-9407 Inst : SL2
Misc : CHLOR MIX(19,S) Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:29 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030055

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\010FAFSL.D\ECD1A.CH Vial: 8
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\010FAFSL.D\ECD2B.CH
Acq On : 6 Dec 1999 20:59 Operator: GDM
Sample : S-9407 Inst : SL2
Misc : CHLOR MIX[L9,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:29 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

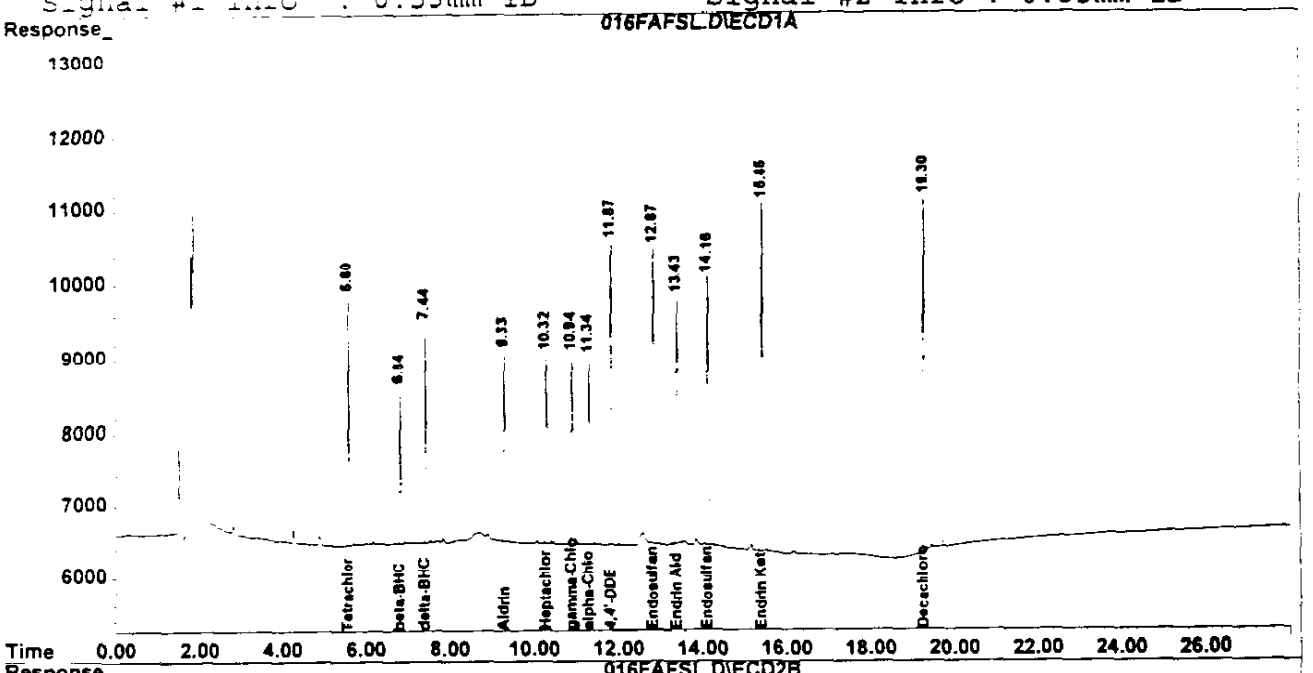
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.61	6.47	85863	100796	4.608	4.519
Spiked Amount 60.000 Range 30 - 150 Recovery =					7.68%#	7.53%#
22) S Decachlorobiphen	19.30	21.74	86648	105151	5.260	4.918
Spiked Amount 60.000 Range 30 - 150 Recovery =					8.77%#	8.20%#
Target Compounds						
61) L9 Chlordane{1}	8.07	9.59	50278	70989	44.214	40.971
62) L9 Chlordane{2}	8.49	10.04	107852	124742	52.666m	42.491
63) L9 Chlordane{3}	10.95	13.13	139216	184806	48.639	39.609
L9 Chlordane{4}	11.35	13.31	123922	120556	46.273m	38.987
65) L9 Chlordane{5}	11.47	13.62	87474	140206	43.870m	37.723m

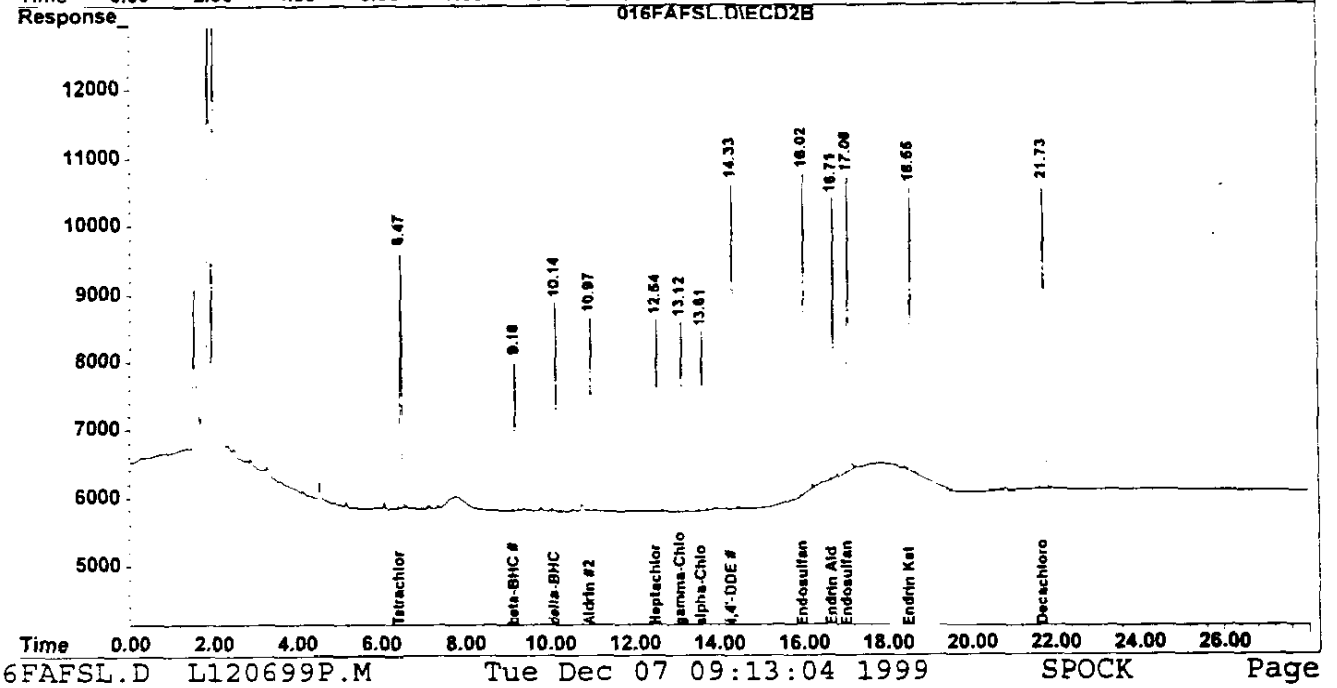
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\016FAFSL.D\ECD1A.CH Vial: 14
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\016FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 00:09 Operator: GDM
Sample : S-9425 Inst : SL2
Misc : INDB CONC1 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:29 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\016FAFSL.D\ECD1A.CH Vial: 14
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\016FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 00:09 Operator: GDM
Sample : S-9425 Inst : SL2
Misc : INDB CONC1 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:29 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

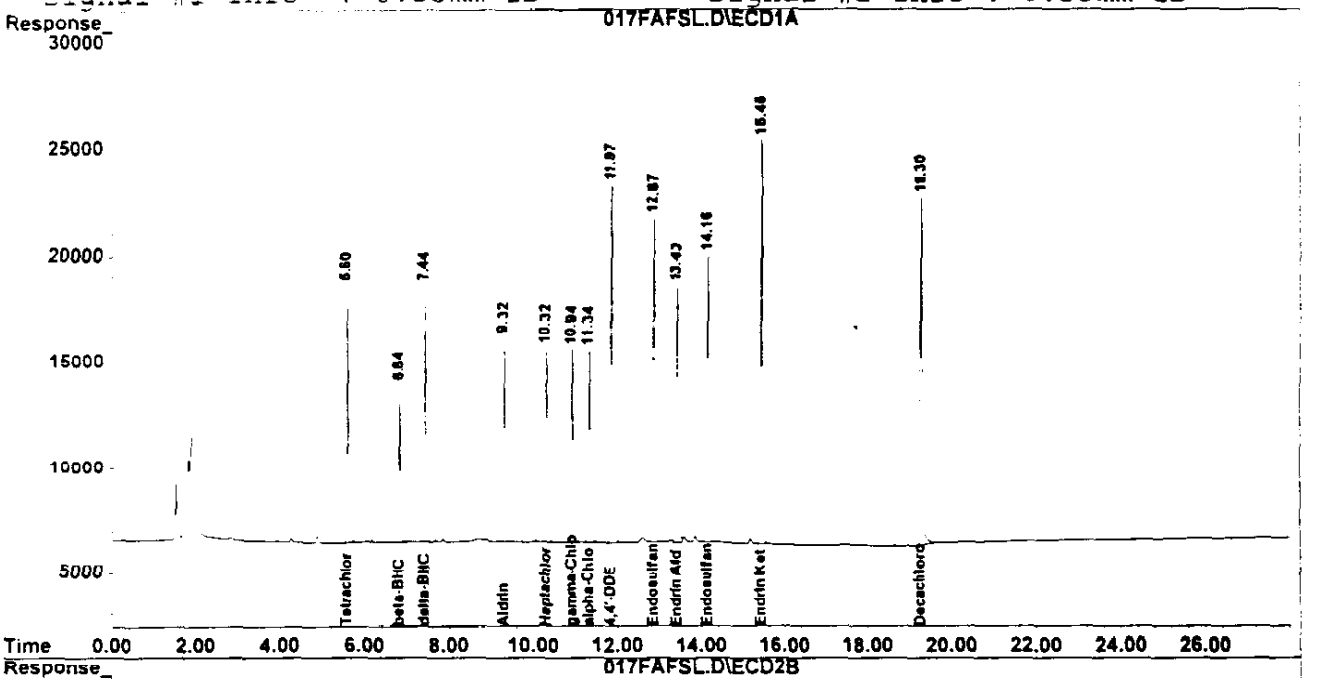
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	5.60	6.47	91125	107662	4.890	4.827
Spiked Amount		60.000 Range 30 - 150 Recovery =					8.15%#	8.05%#
22)	S	Decachlorobiphen	19.30	21.73	180012	213640	10.928	9.993
Spiked Amount		60.000 Range 30 - 150 Recovery =					18.21%#	16.66%#
		Target Compounds						
5)	MB	Aldrin	9.33	10.97	82513	104110	4.680	4.457
6)	B	beta-BHC	6.84	9.18	59713	69370	5.439	4.838
7)	B	delta-BHC	7.45	10.14	82858	99599	4.457	4.064
)	B	Heptachlor Epoxi	10.33	12.54	88782	107247	5.478	4.783
)	B	gamma-Chlordane	10.94	13.12	91803	113501	5.434	4.804
11)	B	alpha-Chlordane	11.35	13.61	91348	111091	5.329	4.722
12)	B	4,4'-DDE	11.87	14.33	149475	181956	9.075	8.526
15)	B	Endosulfan II	12.88	16.02	151311	176985	10.199	9.274
18)	B	Endrin Aldehyde	13.44	16.71	138332	135566	11.692	9.058
19)	B	Endosulfan Sulfa	14.17	17.06	141610	133771	10.429	8.101
21)	B	Endrin Ketone	15.46	18.55	160289	136476	9.514	7.244

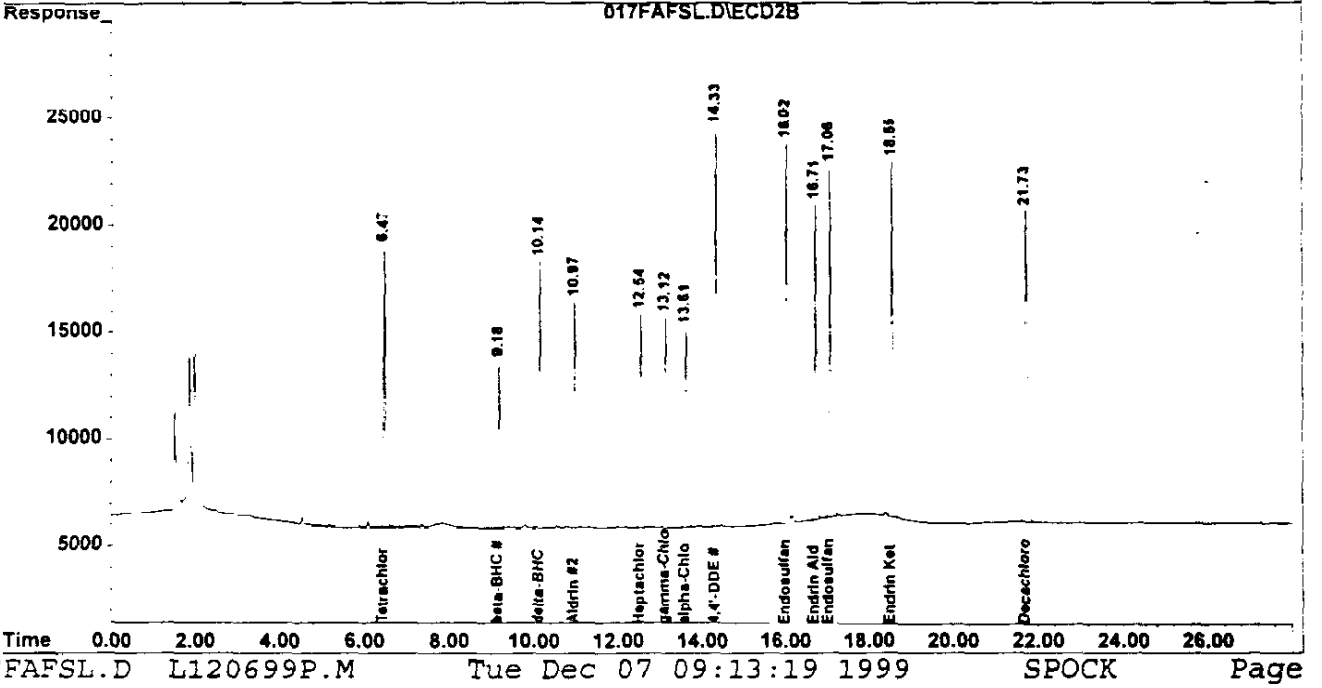
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\017FAFSL.D\ECD1A.CH Vial: 15
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\017FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 00:41 Operator: GDM
Sample : S-9426 Inst : SL2
Misc : INDB CONC2 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030059

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\017FAFSL.D\ECD1A.CH Vial: 15
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\017FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 00:41 Operator: GDM
Sample : S-9426 Inst : SL2
Misc : INDB CONC2 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

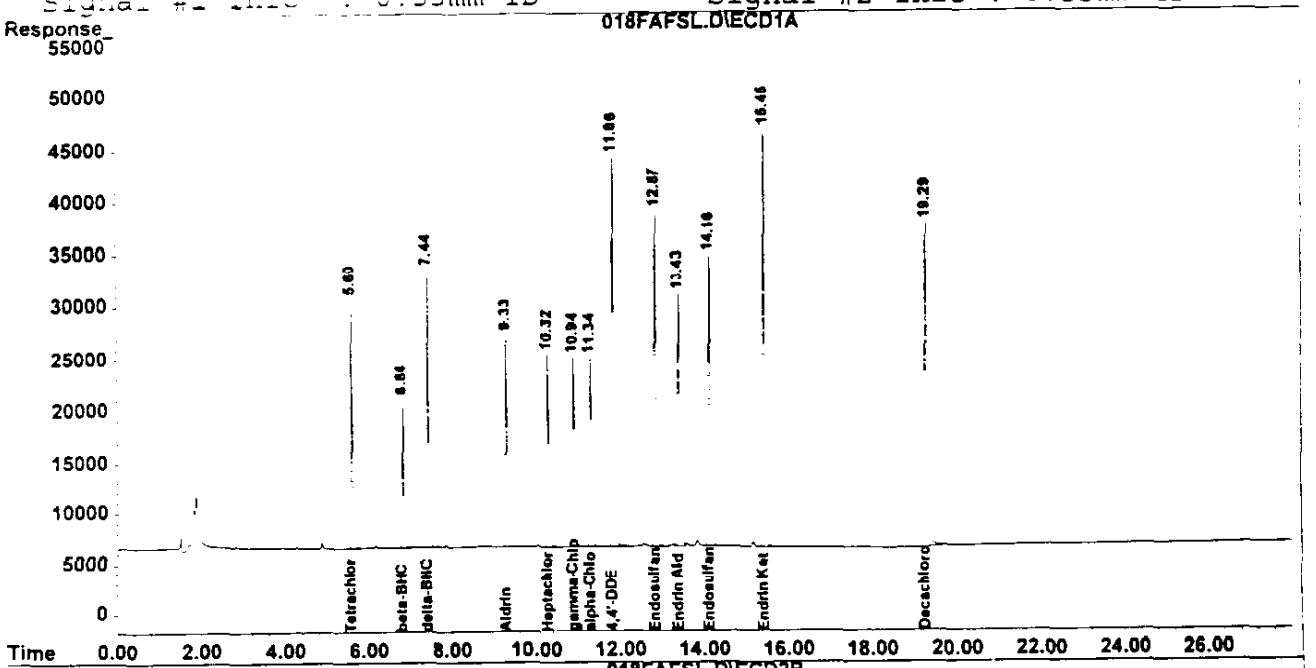
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	5.60	6.47	325762	386265	17.482	17.317
		Spiked Amount 60.000 Range 30 - 150 Recovery =					29.14%#	28.86%#
22)	S	Decachlorobiphen	19.30	21.73	634441	713649	38.515	33.380
		Spiked Amount 60.000 Range 30 - 150 Recovery =					64.19%	55.63%
		Target Compounds						
5)	MB	Aldrin	9.33	10.97	300813	387093	17.061	16.571
6)	B	beta-BHC	6.84	9.18	210751	250547	19.196	17.475
7)	B	delta-BHC	7.44	10.14	323962	399732	17.424	16.312
)	B	Heptachlor Epoxi	10.32	12.54	312898	385515	19.307	17.193
10)	B	gamma-Chlordane	10.94	13.12	320556	403673	18.975	17.087
11)	B	alpha-Chlordane	11.34	13.61	324495	399652	18.931	16.989
12)	B	4,4'-DDE	11.87	14.33	582241	694403	35.348	32.539
15)	B	Endosulfan II	12.88	16.02	567076	601817	38.222	31.536
18)	B	Endrin Aldehyde	13.43	16.71	502375	489257	42.463	32.691m
19)	B	Endosulfan Sulfa	14.16	17.06	517564	516795	38.116	31.298
21)	B	Endrin Ketone	15.46	18.55	635144	546443	37.700	29.004

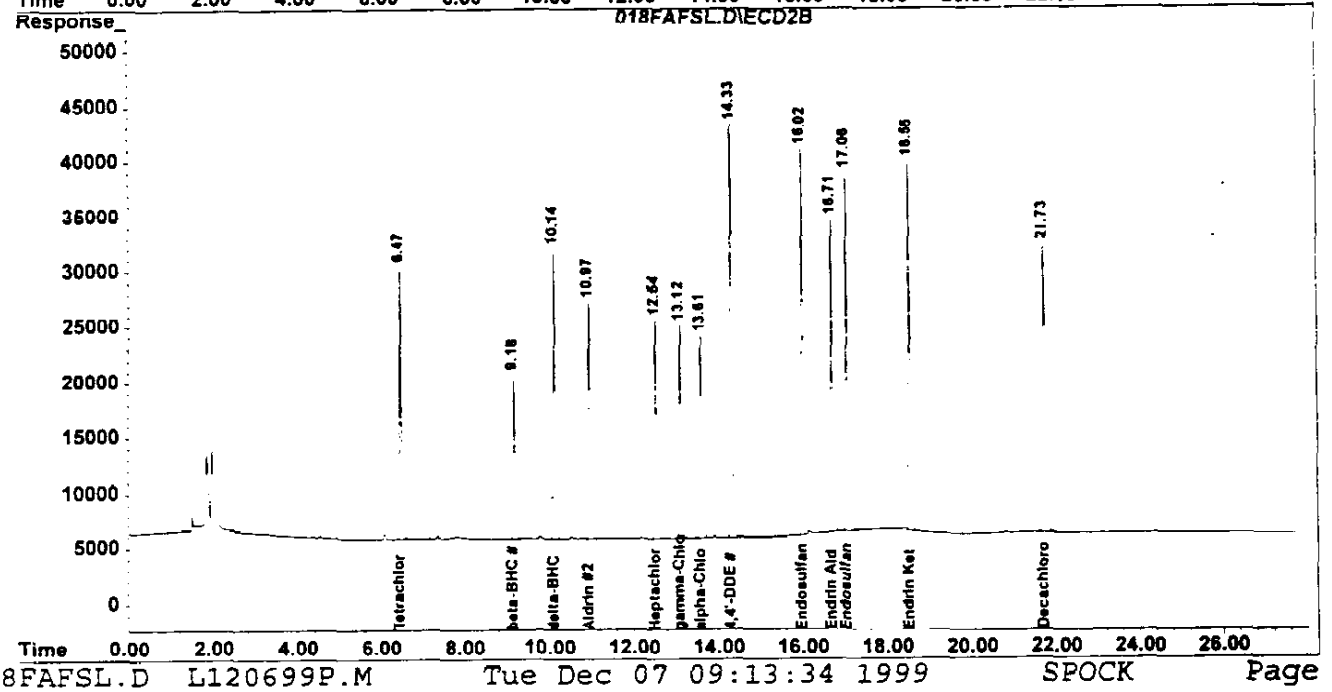
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\018FAFSL.D\ECD1A.CH Vial: 16
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\018FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 1:12 Operator: GDM
Sample : S-9427 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030001

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\018FAFSL.D\ECD1A.CH Vial: 16
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\018FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 1:12 Operator: GDM
Sample : S-9427 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PESL.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

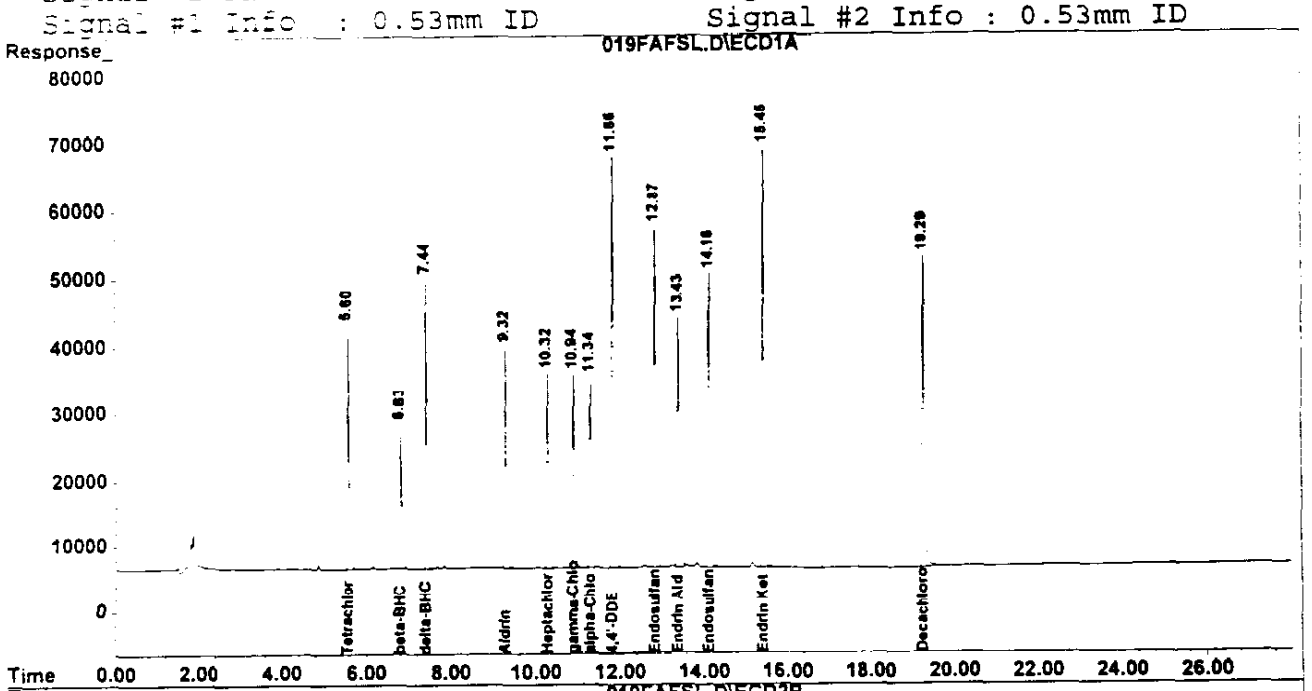
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xy	5.60	6.47	648836	732142	34.820	32.823	
		Spiked Amount 60.000 Range 30 - 150 Recovery =					58.03%	54.71%	
22)	S	Decachlorobiphen	19.30	21.73	1217124	1293257	73.889	60.491	
		Spiked Amount 60.000 Range 30 - 150 Recovery =					123.15%	100.82%	
		Target Compounds							
5)	MB	Aldrin	9.33	10.97	628955	776881	35.671	33.257	
6)	B	beta-BHC	6.84	9.18	412248	480306	37.550	33.500	
7)	B	delta-BHC	7.44	10.14	714957	841131	38.454	34.324	
	B	Heptachlor Epoxi	10.32	12.54	628010	752271	38.751	33.549	
[illegible])	B	gamma-Chlordane	10.94	13.12	640275	780181	37.900	33.024	
11)	B	alpha-Chlordane	11.34	13.61	641962	775989	37.452	32.987	
12)	B	4,4'-DDE	11.87	14.33	1279019	1402636	77.650	65.725	
15)	B	Endosulfan II	12.87	16.02	1180254	1187095	79.551	62.205	
18)	B	Endrin Aldehyde	13.43	16.71	1003231	941452	84.797m	62.906	#
19)	B	Endosulfan Sulfa	14.16	17.06	1067256	1033937	78.598	62.618	
21)	B	Endrin Ketone	15.45	18.55	1352732	1108278	80.293	58.825	#

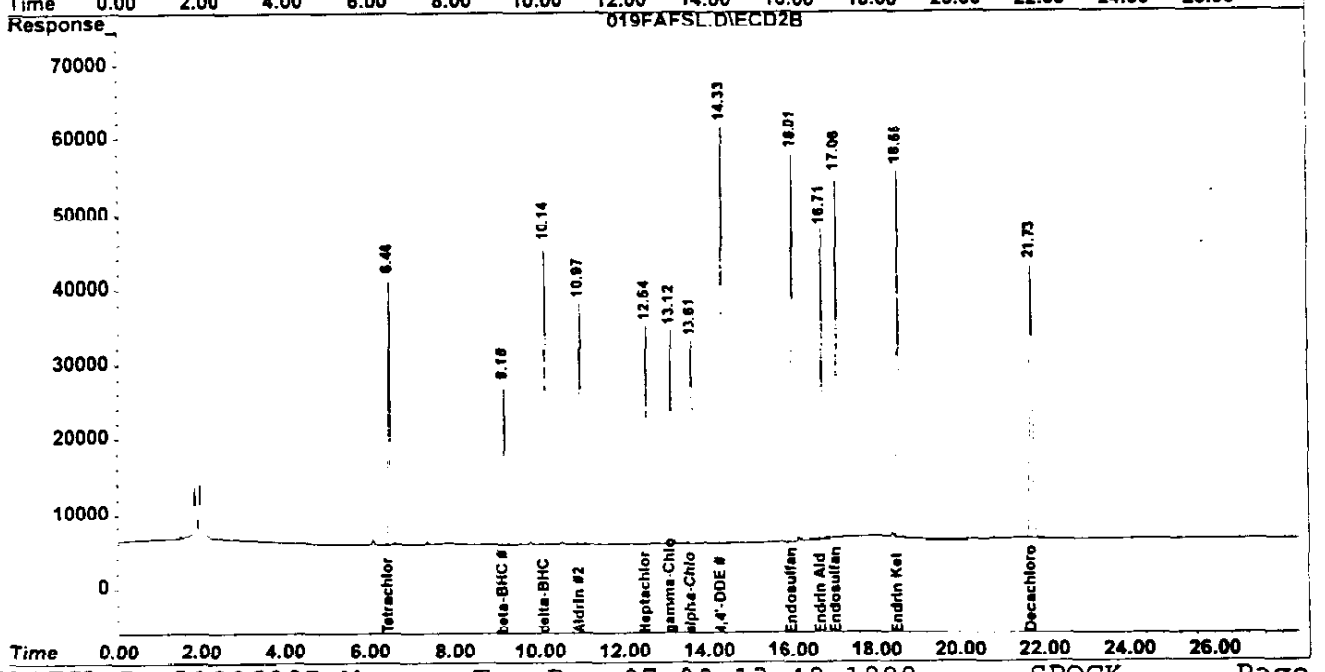
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\019FAFSL.D\ECD1A.CH Vial: 17
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\019FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 1:43 Operator: GDM
Sample : S-9428 Inst : SL2
Misc : INDB CONC4 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030063

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\019FAFSL.D\ECD1A.CH Vial: 17
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\019FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 1:43 Operator: GDM
Sample : S-9428 Inst : SL2
Misc : INDB CONC4 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

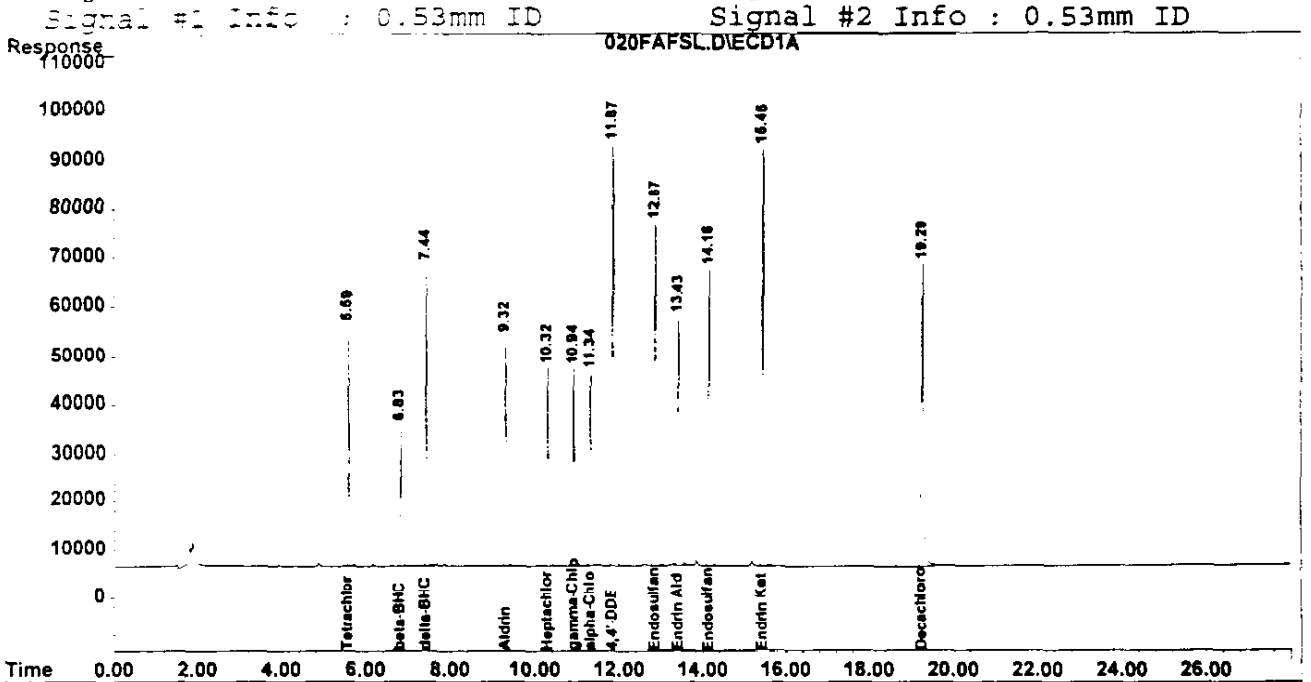
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xy	5.60	6.47	980895	1060507	52.640	47.544	
		Spiked Amount 60.000 Range 30 - 150 Recovery =					87.73%	79.24%	
22)	S	Decachlorobiphen	19.30	21.73	1787719	1829392	108.528	85.569	
		Spiked Amount 60.000 Range 30 - 150 Recovery =					180.88%#	142.62%	
		Target Compounds							
5)	MB	Aldrin	9.33	10.97	1004721	1177403	56.983	50.403	
6)	B	beta-BHC	6.84	9.18	618697	702091	56.355	48.969	
7)	B	delta-BHC	7.44	10.14	1168290	1300510	62.837	53.070	
	B	Heptachlor Epoxi	10.32	12.54	972960	1119270	60.035m	49.916	
	B	gamma-Chlordane	10.94	13.12	993430	1157668	58.804	49.003	
11)	B	alpha-Chlordane	11.34	13.61	991893	1151215	57.866	48.938	
12)	B	4,4'-DDE	11.87	14.33	2080650	2116538	126.318	99.177	
15)	B	Endosulfan II	12.87	16.02	1853462	1766857	124.927	92.585	#
18)	B	Endrin Aldehyde	13.43	16.71	1533050	1385427	129.579m	92.572	#
19)	B	Endosulfan Sulfa	14.16	17.06	1660394	1546101	122.279	93.636	
21)	B	Endrin Ketone	15.45	18.55	2115108	1673740	125.546	88.838	#

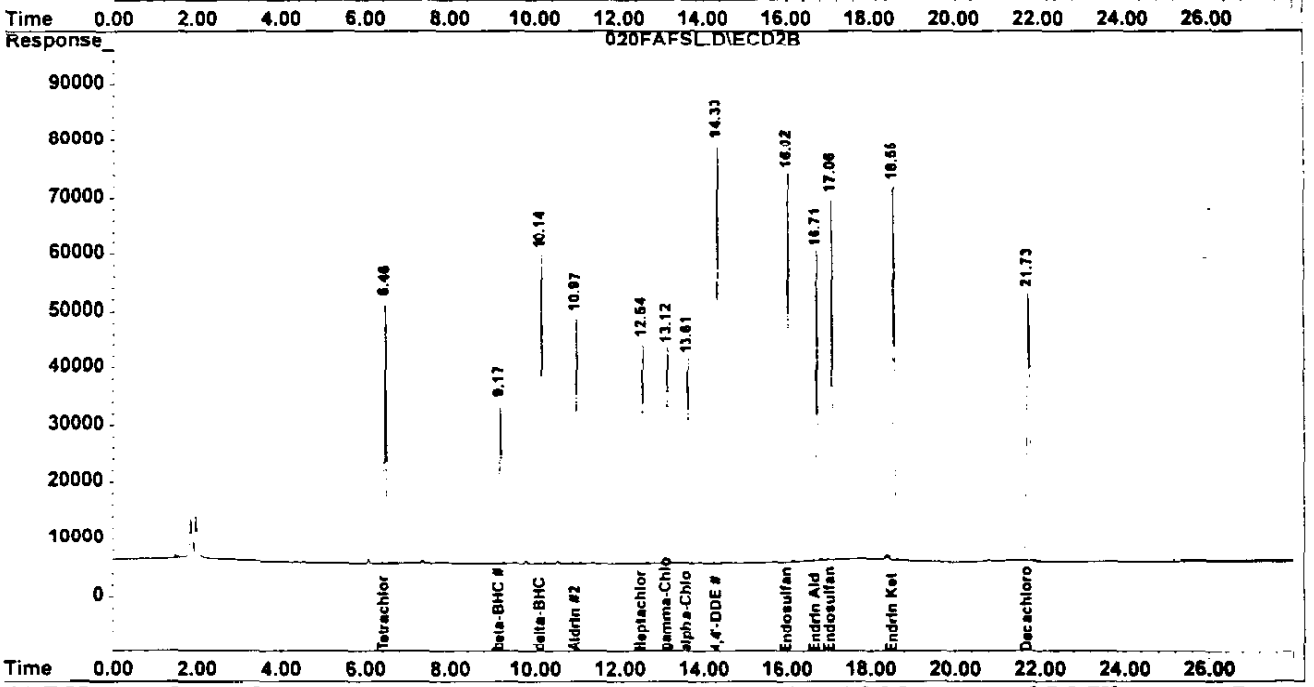
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\020FAFSL.D\ECD1A.CH Vial: 18
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\020FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 2:15 Operator: GDM
Sample : S-9429 Inst : SL2
Misc : INDB CONC5 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:31 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\020FAFSL.D\ECD1A.CH Vial: 18
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\020FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 2:15 Operator: GDM
Sample : S-9429 Inst : SL2
Misc : INDB CONC5 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:31 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

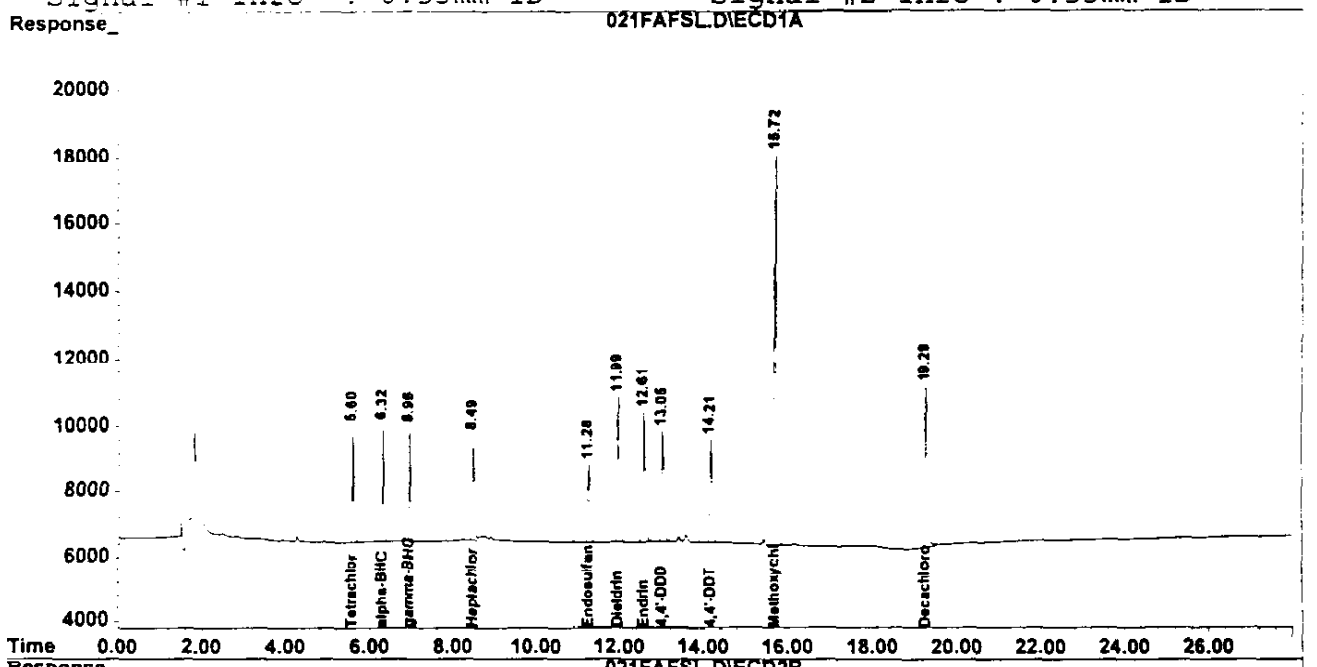
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xy	5.60f	6.46	1331419	1383148	71.452	62.009	
		Spiked Amount 60.000 Range 30 - 150 Recovery =					119.09%	103.35%	
22)	S	Decachlorobiphen	19.30	21.73	2370116	2338620	143.884	109.387	
		Spiked Amount 60.000 Range 30 - 150 Recovery =					239.81%#	182.31%#	
		Target Compounds							
5)	MB	Aldrin	9.33	10.97	1426434	1586867	80.901	67.931	
6)	B	beta-BHC	6.83	9.18	835838	923640	76.133	64.422	
7)	B	delta-BHC	7.44	10.14	1671034	1772719	89.877	72.340	
	B	Heptachlor Epoxi	10.32	12.54	1349151	1492129	83.248	66.544	
[illegible]	B	gamma-Chlordane	10.94	13.12	1381546	1543623	81.778	65.340	
11)	B	alpha-Chlordane	11.34	13.61	1371328	1539681	80.002	65.452	
12)	B	4,4'-DDE	11.87	14.33	2949026	2830915	179.038	132.652	#
15)	B	Endosulfan II	12.87	16.02	2570382	2353531	173.249	123.327	#
18)	B	Endrin Aldehyde	13.43	16.71	2100739	1821868	177.562	121.734	#
19)	B	Endosulfan Sulfa	14.16	17.07	2305007	2065878	169.751	125.115	#
21)	B	Endrin Ketone	15.45	18.55	2917607	2238468	173.179	118.813	#

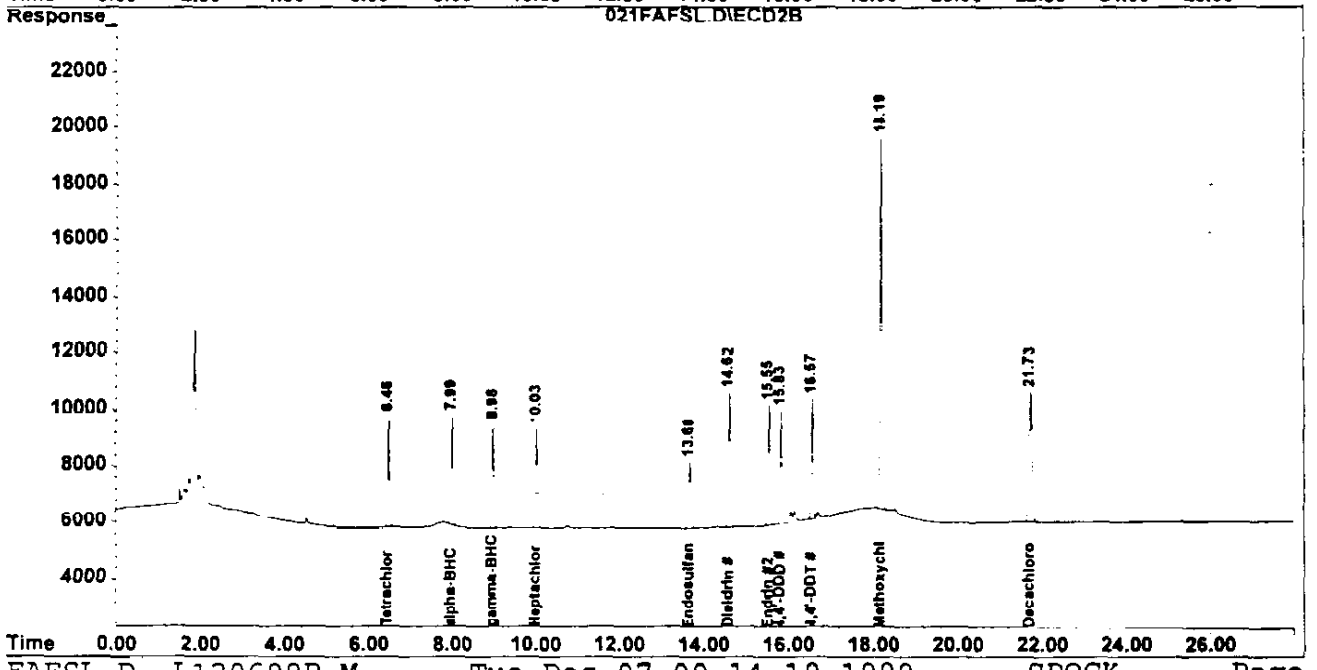
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\021FAFSL.D\ECD1A.CH Vial: 19
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\021FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 2:46 Operator: GDM
Sample : S-9419 Inst : SL2
Misc : INDA CONC1 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:29 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030007

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\021FAFSL.D\ECD1A.CH Vial: 19
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\021FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 2:46 Operator: GDM
Sample : S-9419 Inst : SL2
Misc : INDA CONC1 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:29 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

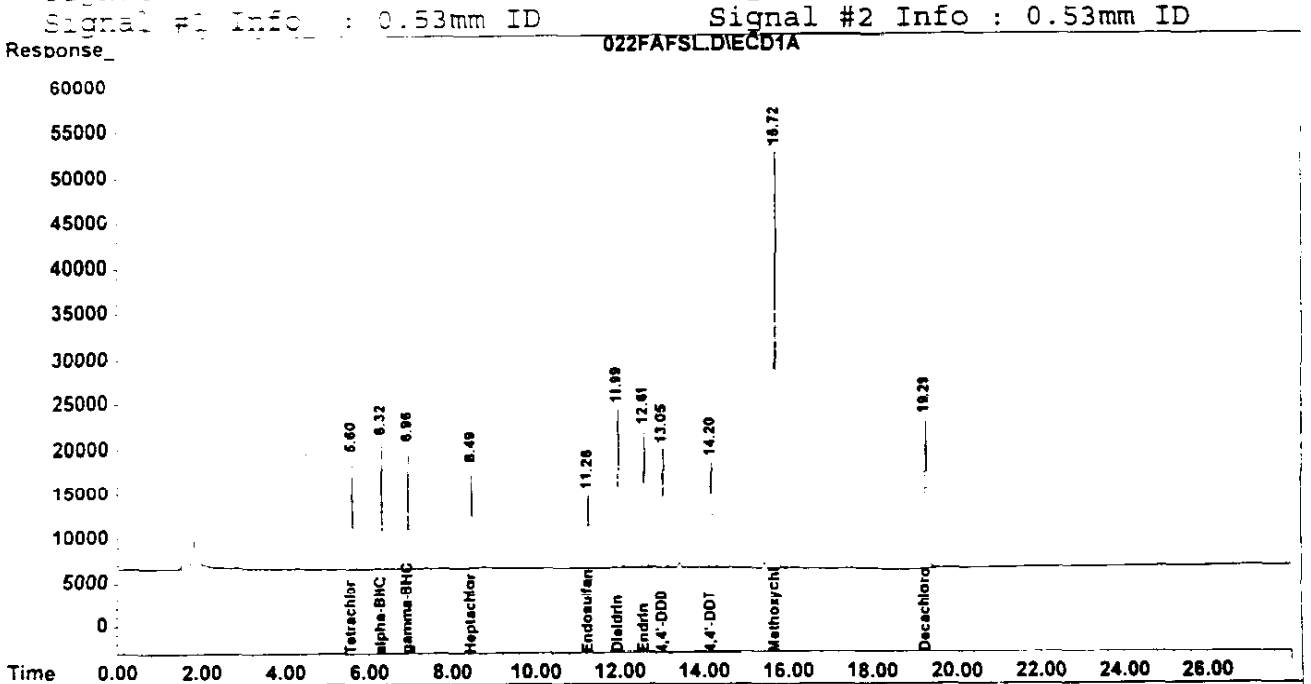
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
	System Monitoring Compounds							
1)	S Tetrachloro-m-xy	5.60	6.47	93114	110946	4.997	4.974	
	Spiked Amount 60.000 Range 30 - 150 Recovery =					8.33%#	8.29%#	
22)	S Decachlorobiphen	19.29	21.73	186901	218523	11.346m	10.221	
	Spiked Amount 60.000 Range 30 - 150 Recovery =					18.91%#	17.04%#	
	Target Compounds							
2)	A alpha-BHC	6.32f	7.99	89861	109678	4.032	3.921	
3)	MA gamma-BHC	6.96f	8.98	91496	111732	4.409	4.137	
4)	MA Heptachlor	8.49f	10.03	99898	128106	6.394m	4.896	
	A Endosulfan I	11.28f	13.68	85930	102610	5.227	4.665	
[illegible])	MA Dieldrin	11.99f	14.62	159772	181911	9.335	8.289	
14)	MA Endrin	12.61f	15.55	152035	147559	11.365	8.781	
16)	A 4,4'-DDD	13.06f	15.83	129493	126644	10.261	7.792	
17)	MA 4,4'-DDT	14.21f	16.57	122780	128494	11.264m	8.111	#
20)	A Methoxychlor	15.72f	18.19	396772	412423	67.935	50.846	#

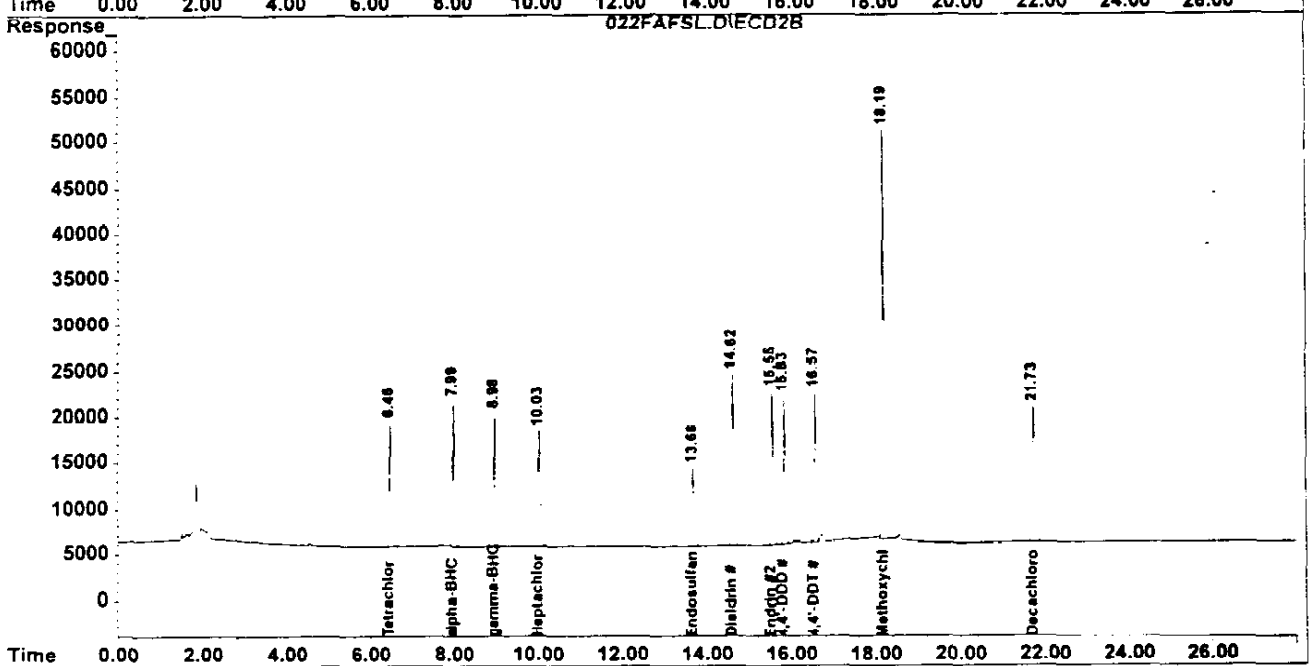
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\022FAFSL.D\ECD1A.CH Vial: 20
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\022FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 3:17 Operator: GDM
Sample : S-9420 Inst : SL2
Misc : INDA CONC2 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX 5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030063*

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\022FAFSL.D\ECD1A.CH Vial: 20
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\022FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 3:17 Operator: GDM
Sample : S-9420 Inst : SL2
Misc : INDA CONC2 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

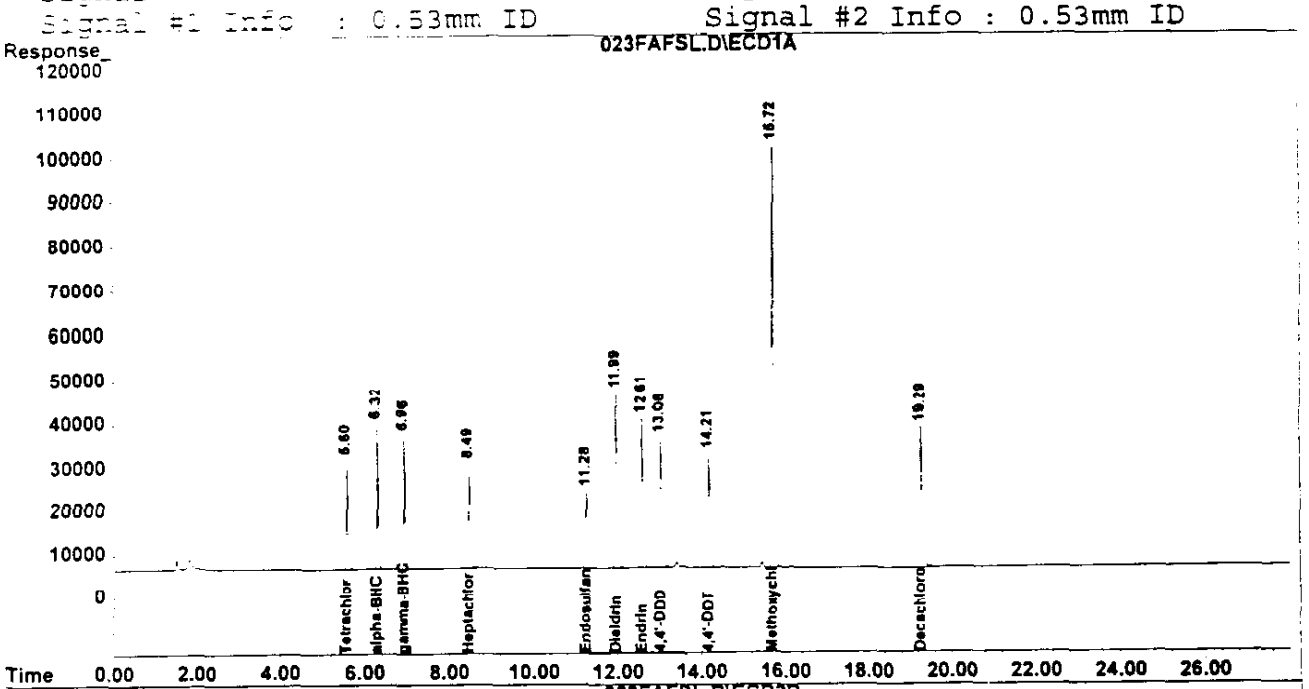
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	5.60	6.47	332264	393715	17.831	17.651
	Spiked Amount 60.000 Range 30 - 150 Recovery =					29.72%#	29.42%#
22)	S Decachlorobiphen	19.30	21.73	636754	730332	38.656	34.161
	Spiked Amount 60.000 Range 30 - 150 Recovery =					64.43%	56.94%
	Target Compounds						
2)	A alpha-BHC	6.32f	7.99	357047	458480	16.022	16.389
3)	MA gamma-BHC	6.96f	8.98	355856	440152	17.148	16.296
4)	MA Heptachlor	8.49f	10.03	336359	456627	21.527	17.452
[illegible]	A Endosulfan I	11.28f	13.68	300687	365422	18.291	16.612
[illegible]	MA Dieldrin	11.99f	14.62	620342	701866	36.244	31.980
14)	MA Endrin	12.61f	15.56	549999	574331	41.113	34.178
16)	A 4,4'-DDD	13.06f	15.84	492310	506959	39.011	31.193
17)	MA 4,4'-DDT	14.21f	16.57	453081	506090	41.566	31.945
20)	A Methoxychlor	15.72f	18.19	1545087	1469230	264.548	181.134m#

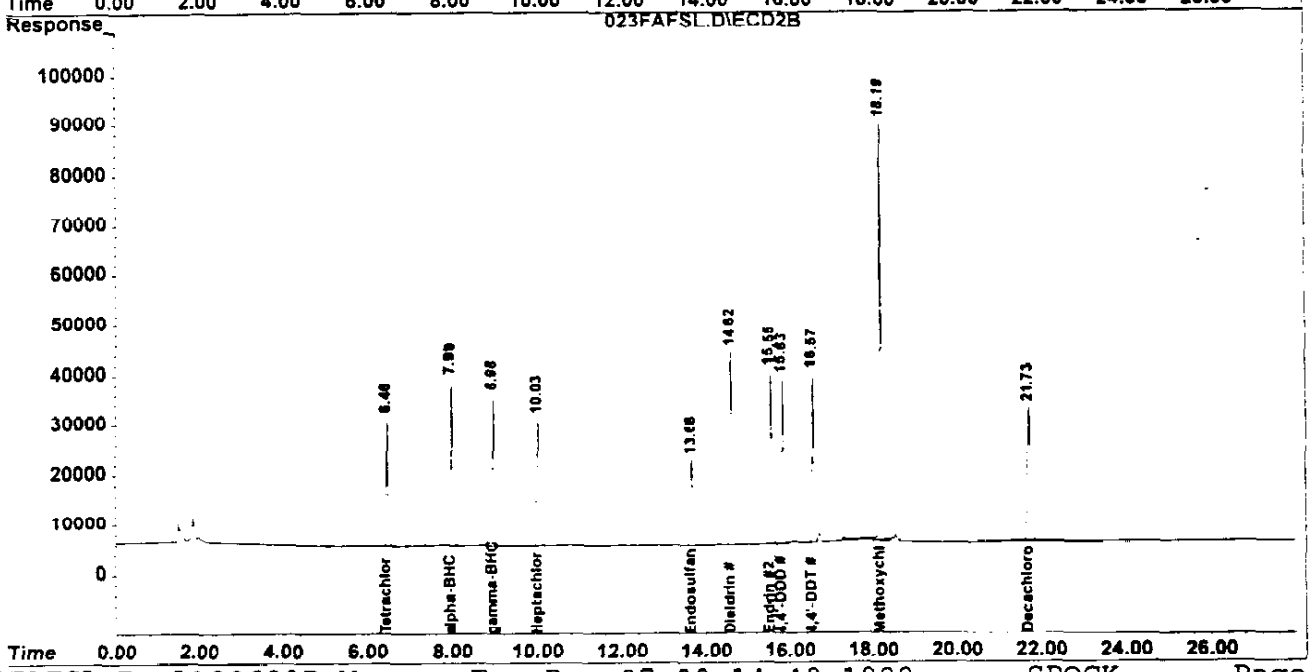
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\023FAFSL.D\ECD1A.CH Vial: 21
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\023FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 3:49 Operator: GDM
Sample : S-9421 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\023FAFSL.D\ECD1A.CH Vial: 21
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\023FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 3:49 Operator: GDM
Sample : S-9421 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:30 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

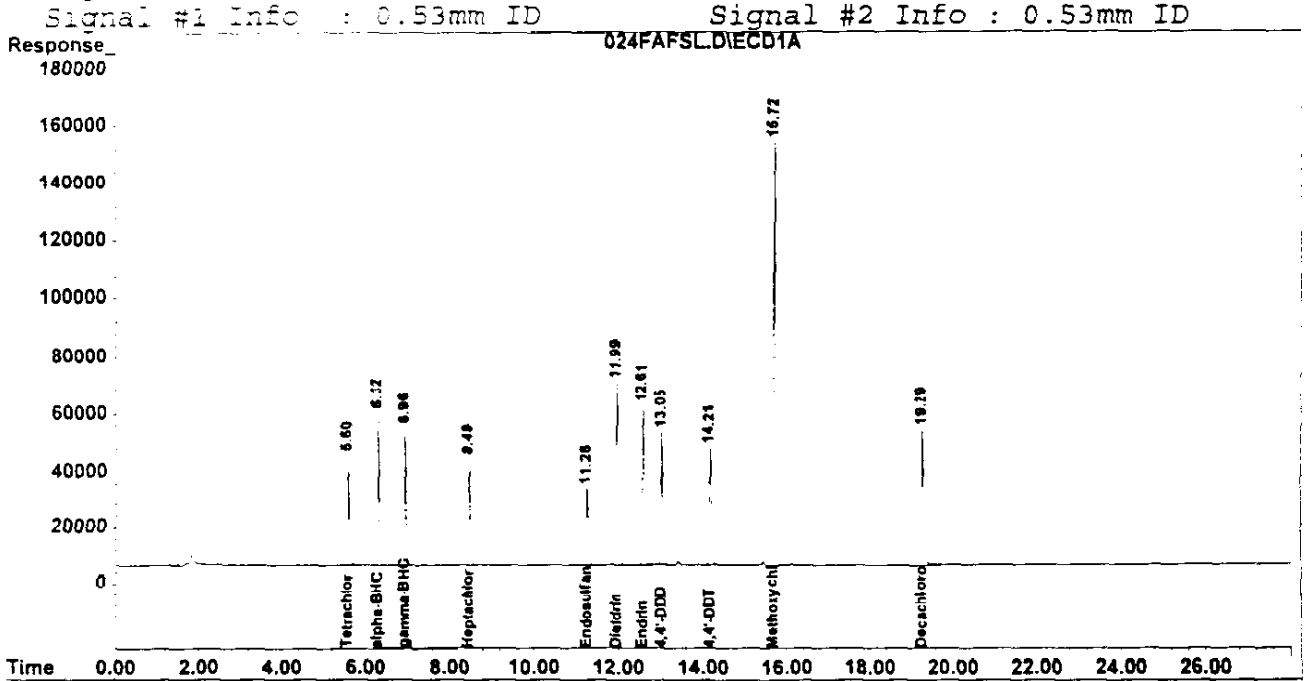
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
	System Monitoring Compounds							
1)	S Tetrachloro-m-xy	5.60	6.46	665425	743631	35.711	33.338	
	Spiked Amount 60.000 Range 30 - 150 Recovery =					59.52%	55.56%	
22)	S Decachlorobiphen	19.30	21.73	1232230	1333006	74.806	62.350	
	Spiked Amount 60.000 Range 30 - 150 Recovery =					124.68%	103.92%	
	Target Compounds							
2)	A alpha-BHC	6.32f	7.99	819082	968320	36.755	34.614	
3)	MA gamma-BHC	6.96f	8.98	791697	925746	38.151	34.275	
4)	MA Heptachlor	8.49f	10.03	702382	905825	44.952	34.621	
[illegible]	A Endosulfan I	11.28f	13.68	615350	731289	37.433	33.243	
[illegible]	MA Dieldrin	11.99f	14.62	1381675	1456121	80.727	66.348	
14)	MA Endrin	12.61f	15.56	1197648	1191679	89.526	70.916	
16)	A 4,4'-DDD	13.06f	15.84	1076677	1054072	85.317	64.857	
17)	MA 4,4'-DDT	14.21f	16.57	966533	1042377	88.671	65.795	#
20)	A Methoxychlor	15.72f	18.19	3183793	2784590	545.124	343.299	#

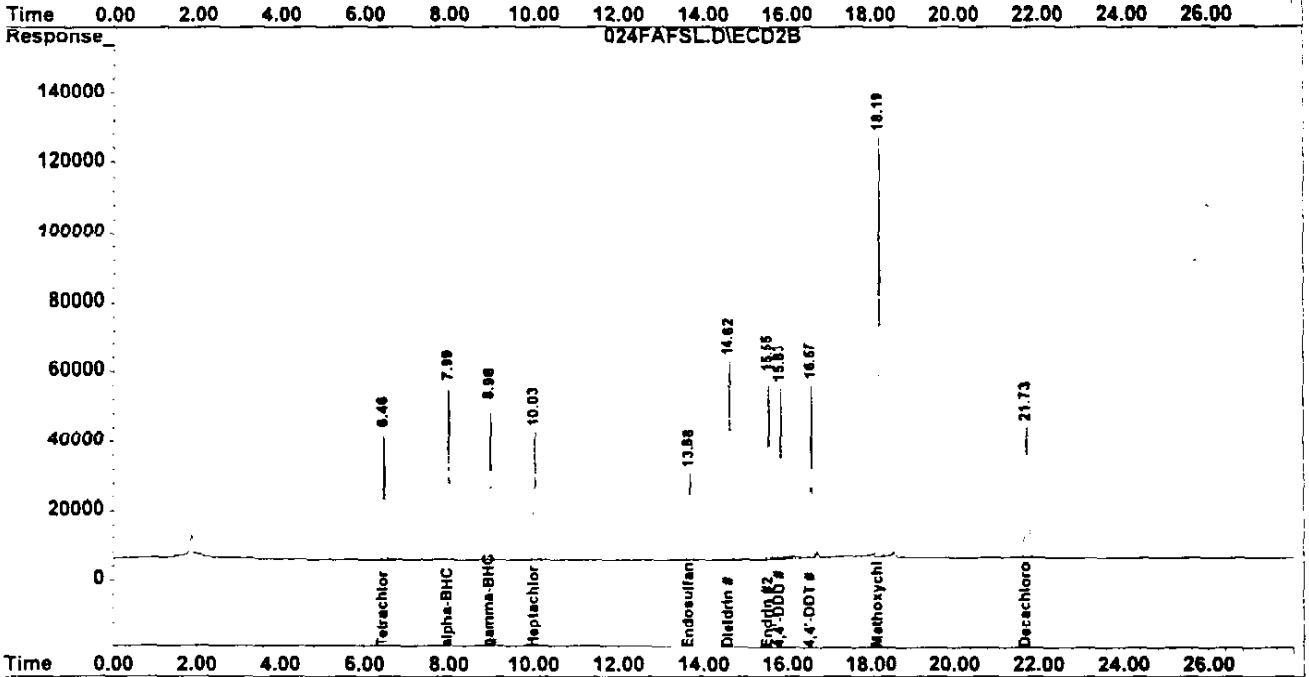
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\024FAFSL.D\ECD1A.CH Vial: 22
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\024FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 4:21 Operator: GDM
Sample : S-9422 Inst : SL2
Misc : INDA CONC4 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:31 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





020073 *

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\024FAFSL.D\ECD1B.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\024FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 4:21 Operator: GDM
Sample : 8-9422 Inst : SL2
Misc : INDA CONC4 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:31 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

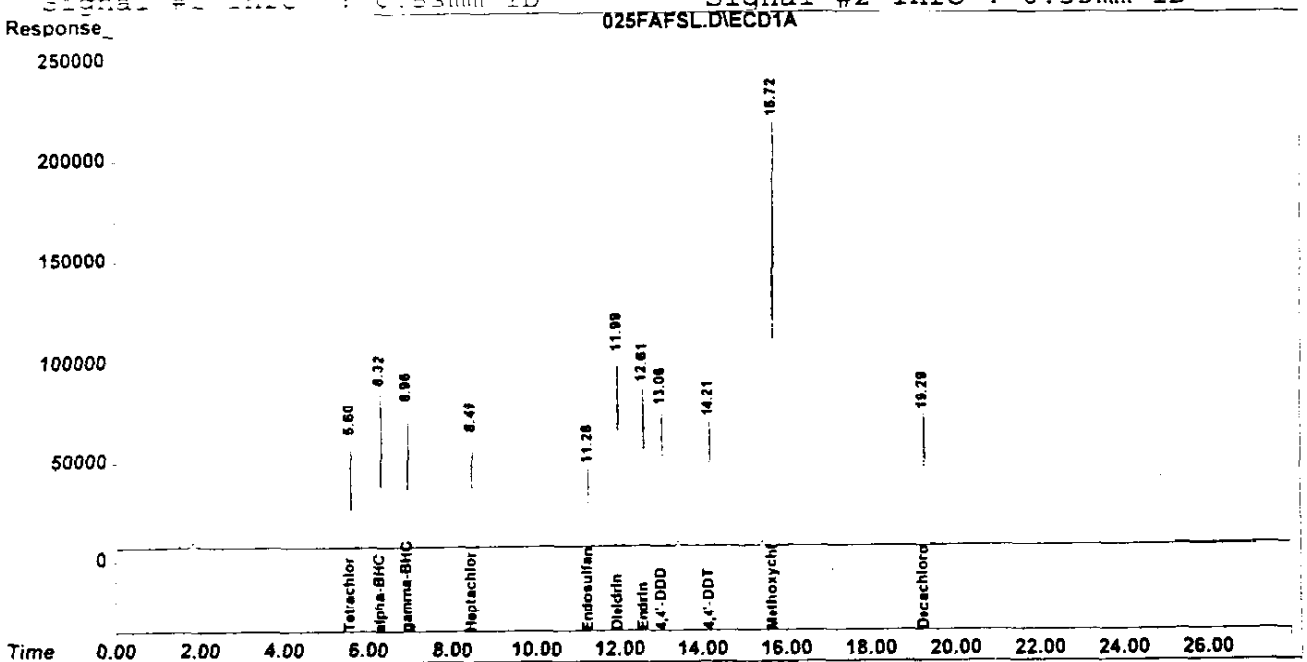
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds								
1)	S	Tetrachloro-m-xy	5.60	6.47	1011683	1088476	54.293	48.798
Spiked Amount		60.000 Range	30 - 150		Recovery	=	90.49%	81.33%
22)	S	Decachlorobiphen	19.30	21.73	1821216	1881954	110.562	88.027m
Spiked Amount		60.000 Range	30 - 150		Recovery	=	184.27%#	146.71%
Target Compounds								
2)	A	alpha-BHC	6.32f	7.99	1324191	1476130	59.420	52.767
3)	MA	gamma-BHC	6.96f	8.98	1254093	1396219	60.433	51.694
4)	MA	Heptachlor	8.49f	10.03	1079771	1335225	69.105	51.032 #
9)	A	Endosulfan I	11.28f	13.68	939168	1081695	57.132	49.172
	MA	Dieldrin	11.99f	14.62	2202597	2185209	128.690	99.568
	MA	Endrin	12.61f	15.56	1943296	1821794	145.264	108.414 #
16)	A	4,4'-DDD	13.06f	15.84	1700008	1580208	134.711	97.229 #
17)	MA	4,4'-DDT	14.21f	16.57	1518995	1566825	139.354	98.899 #
20)	A	Methoxychlor	15.72f	18.19	4894921	3992503	638.101	492.217m#

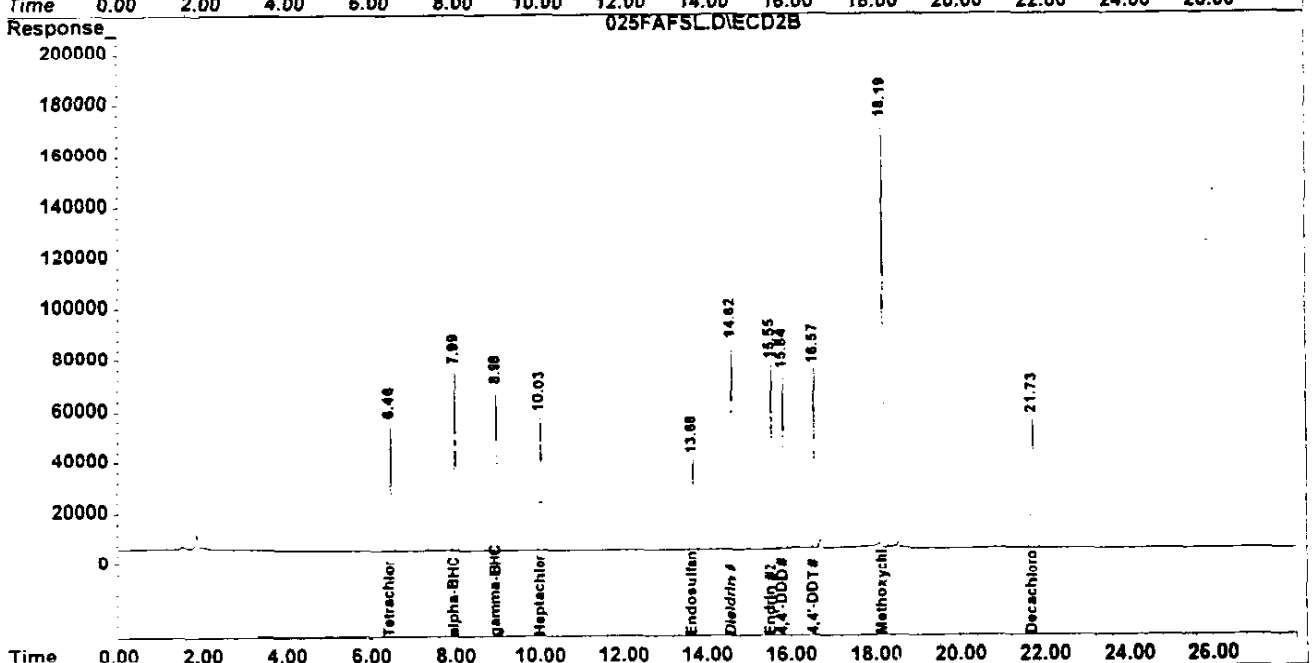
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\025FAFSL.D\ECD1A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\025FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 4:52 Operator: GDM
Sample : S-9423 Inst : SL2
Misc : INDA CONC5 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:31 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\025FAFSL.D\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\025FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 4:52 Operator: GDM
Sample : S-9423 Inst : SL2
Misc : INDA CONCS MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:31 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 07:58:35 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

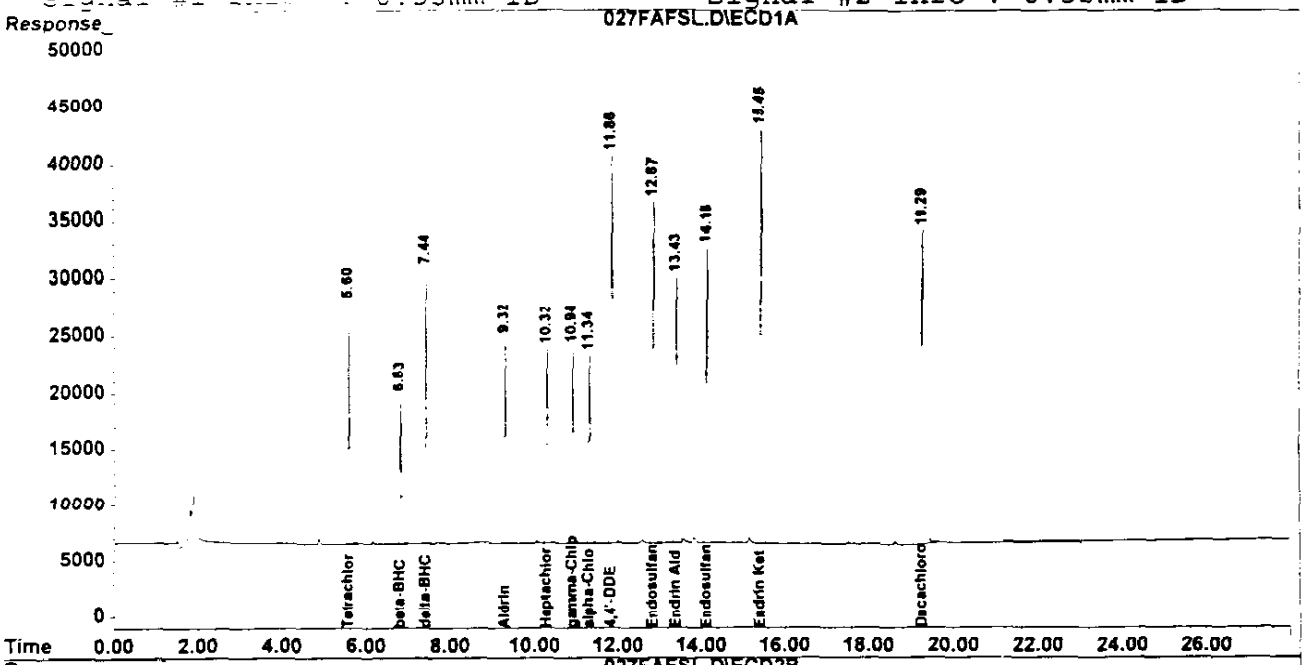
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xy	5.60	6.47	1442605	1481487	77.418	66.417	
		Spiked Amount 60.000 Range 30 - 150 Recovery =					129.03%	110.70%	
22)	S	Decachlorobiphen	19.30	21.73	2521260	2543896	153.060	118.989	
		Spiked Amount 60.000 Range 30 - 150 Recovery =					255.10%#	198.32%#	
		Target Compounds							
2)	A	alpha-BHC	6.32f	7.99	2012091	2101452	90.288	75.120	
3)	MA	gamma-BHC	6.96f	8.98	1881730	1982098	90.679	73.386	
4)	MA	Heptachlor	8.49f	10.03	1599261	1875287	102.353	71.673	#
9)	A	Endosulfan I	11.28f	13.68	1359612	1503612	82.708	68.352	
	MA	Dieldrin	12.00f	14.62	3286983	3081014	192.047	140.385	#
	MA	Endrin	12.61f	15.56	2837363	2546035	212.097	151.513	#
16)	A	4,4'-DDD	13.06f	15.84	2507953	2229631	198.734	137.188	#
17)	MA	4,4'-DDT	14.21f	16.57	2268105	2206556	208.078	139.279	#
20)	A	Methoxychlor	15.72f	18.19	7019660	5444967	1201.896	671.284	m#

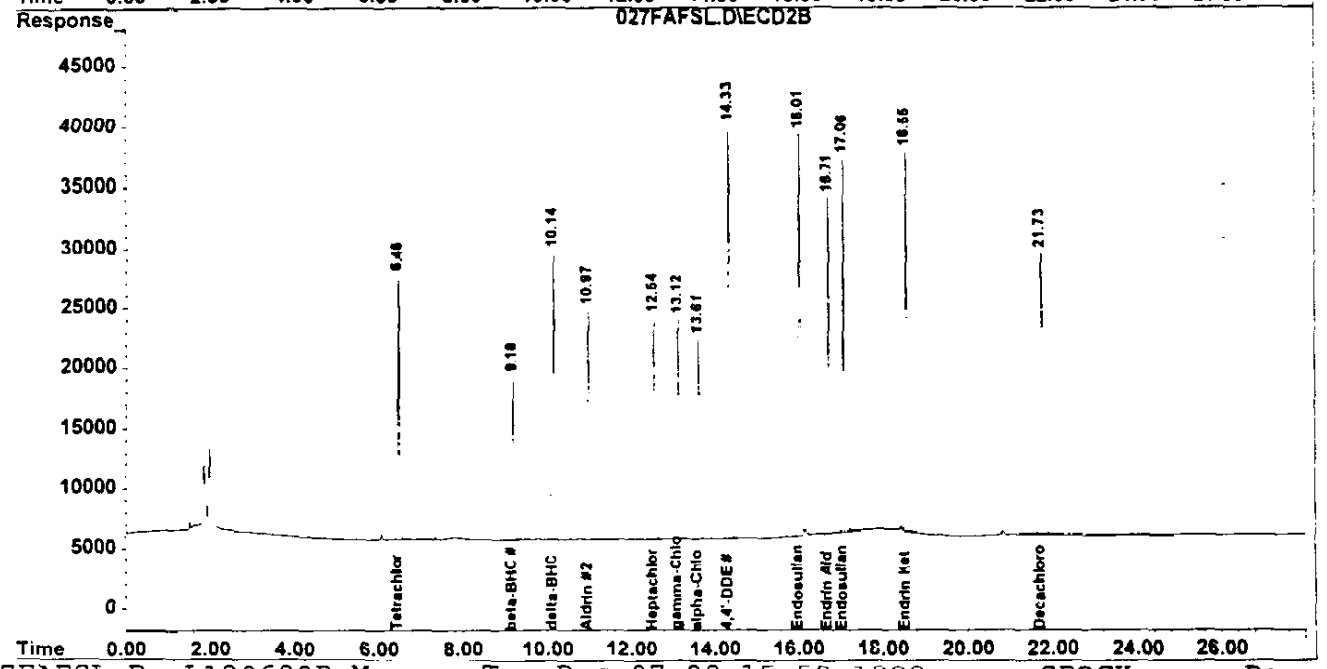
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\027FAFSL.D\ECD1A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\027FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 5:55 Operator: GDM
Sample : S-9308 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:41 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\027FAFSL.D\ECD2B.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\027FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 5:55 Operator: GDM
Sample : S-9308 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:41 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

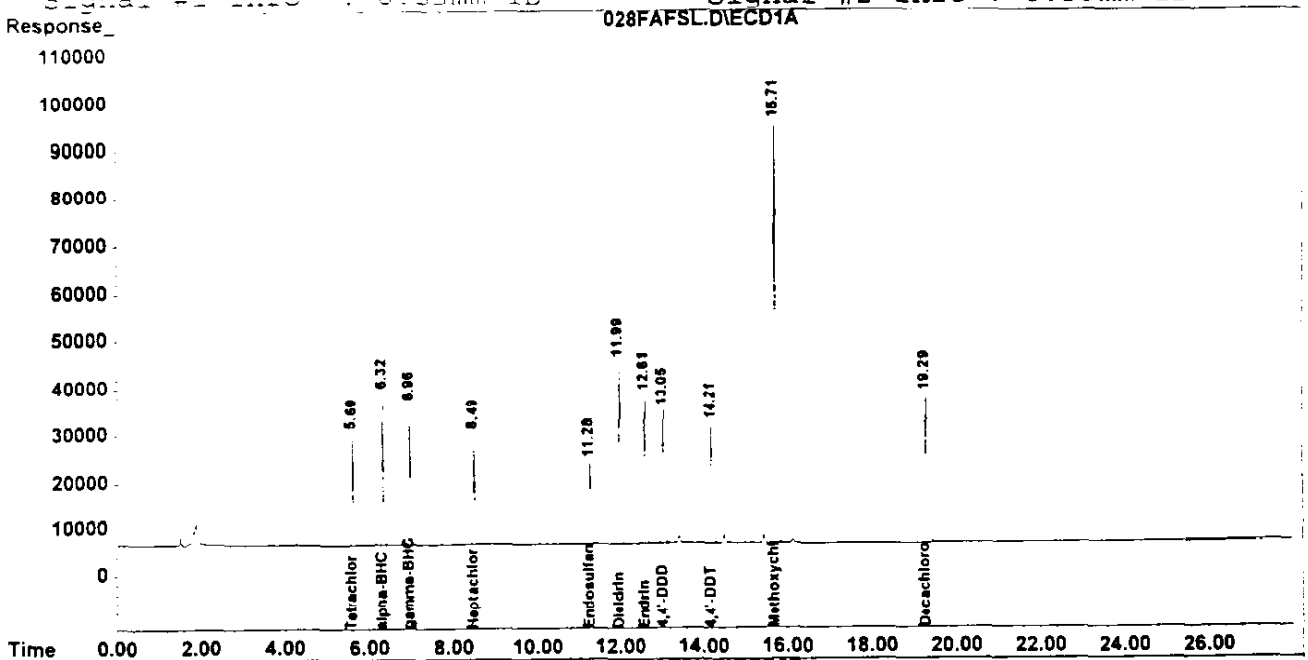
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	5.60	6.47	571733	646954	32.947	33.305
		Spiked Amount 60.000 Range 30 - 150 Recovery =					54.91%	55.51%
22)	S	Decachlorobiphen	19.29	21.73	1062767	1164069	65.646	65.874
		Spiked Amount 60.000 Range 30 - 150 Recovery =					109.41%	109.79%
		Target Compounds						
5)	MB	Aldrin	9.32	10.97	557039	693022	34.031	34.981
6)	B	beta-BHC	6.83	9.18	376671	438585	35.173	35.567
7)	B	delta-BHC	7.44	10.14	644918	764359	35.434	36.478
8)	B	Heptachlor Epoxi	10.32	12.54	574822	700876	34.972	36.188
[illegible]	B	gamma-Chlordane	10.94	13.12	595304	739617	35.341	36.623
[illegible]	B	alpha-Chlordane	11.34	13.61	583461	712588	34.640	35.617
12)	B	4,4'-DDE	11.87	14.33	1157184	1293190	71.201	73.128
15)	B	Endosulfan II	12.87	16.02	1103053	1138660	72.981	73.924
18)	B	Endrin Aldehyde	13.43	16.71	965945	927183	74.489	76.642
19)	B	Endosulfan Sulfa	14.16	17.06	987168	983760	71.863	75.654
21)	B	Endrin Ketone	15.45	18.55	1221636	1053215	72.135	76.209

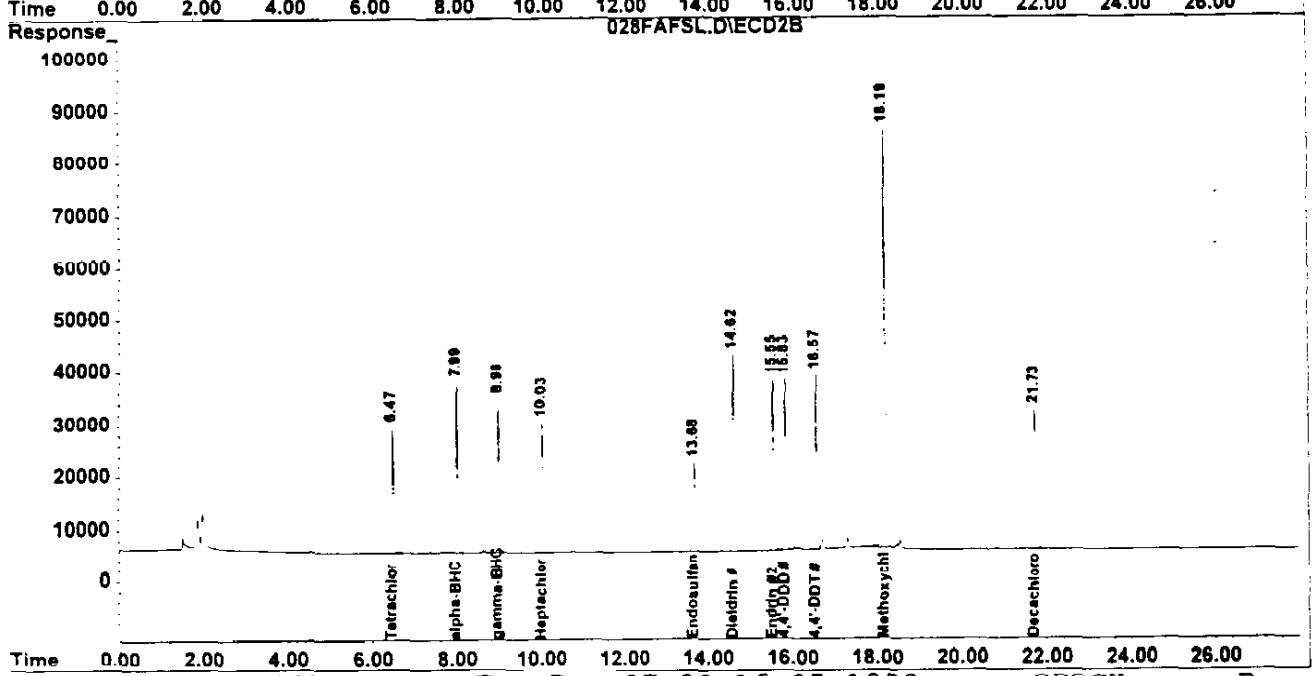
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\028FAFSL.D\ECD1A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\028FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 6:27 Operator: GDM
Sample : S 9349 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:43 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030079

Signal #1 : O:\ORG\SVOA\ECD\SL2\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\028FAFSL.D\ECD2B.CH
Acq On : 7 Dec 1999 6:27 Operator: GDM
Sample : S-9349 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 8:43 1999 Quant Results File: L120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699P.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Tue Dec 07 08:29:39 1999
Response Via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

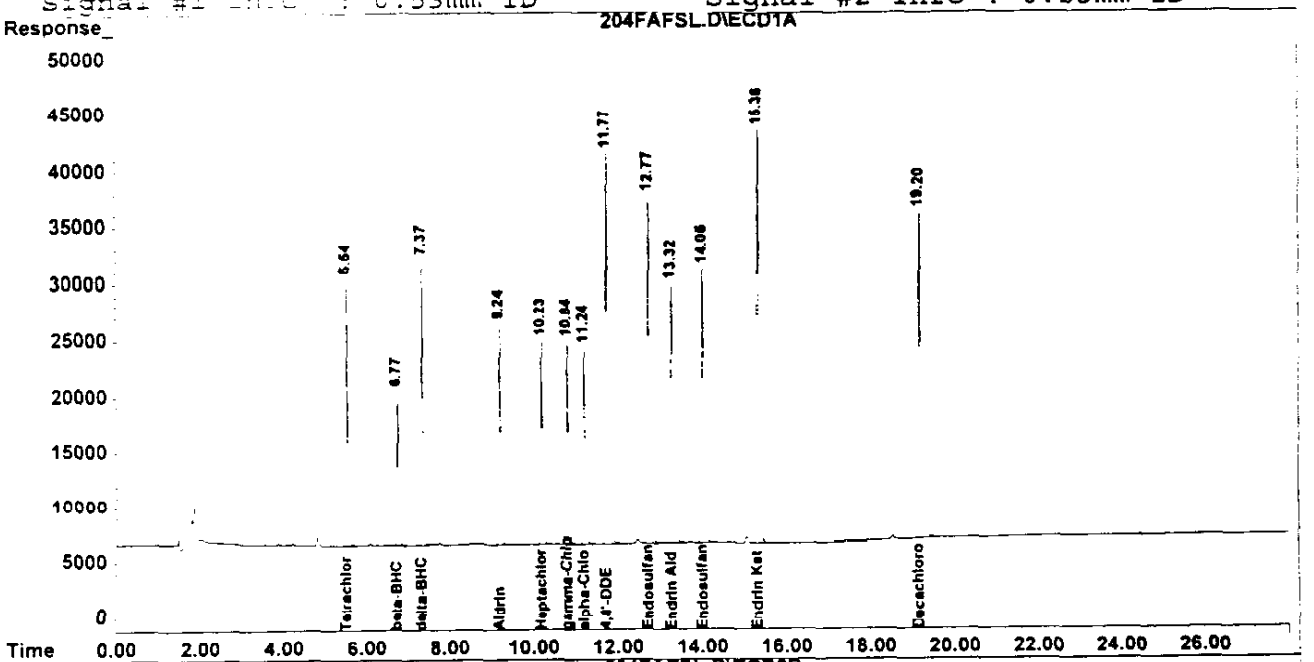
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	5.60	6.47	628703	702779	36.230	36.179
	Spiked Amount 60.000 Range 30 - 150 Recovery =					60.38%	60.30%
22)	S Decachlorobiphen	19.29	21.73	1212678	1313023	74.906	74.303
	Spiked Amount 60.000 Range 30 - 150 Recovery =					124.84%	123.84%
	Target Compounds						
2)	A alpha-BHC	6.32	7.99	801411	944262	38.707	39.365
3)	MA gamma-BHC	6.96	8.98	777159	905623	38.739	39.189
4)	MA Heptachlor	8.49	10.03	685926	890463	37.140	38.121
9)	A Endosulfan I	11.28	13.68	605351	723740	37.716	38.538
[illegible]	MA Dieldrin	12.00	14.62	1329096	1419881	75.814	77.669
[illegible]	MA Endrin	12.61	15.56	1113682	1130193	71.526	75.241
16)	A 4,4'-DDD	13.06	15.84	1036903	1036547	75.623	78.984
17)	MA 4,4'-DDT	14.21	16.57	941809	1033963	75.320	79.074
20)	A Methoxychlor	15.72	18.19	2973258	2671171	366.588	370.826

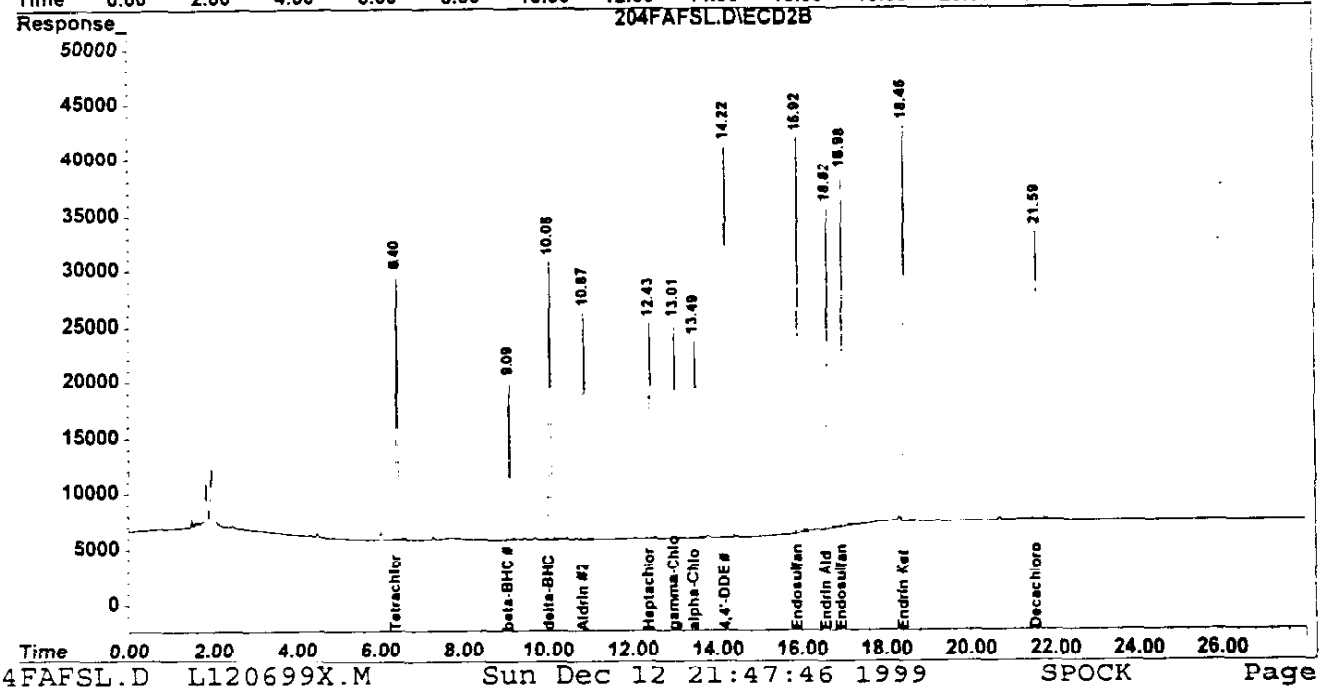
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\204FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 20:34 Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 21:45 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030058\-

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\204FAFSL.D\ECD2A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\204FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 20:34 Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 21:45 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response Via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

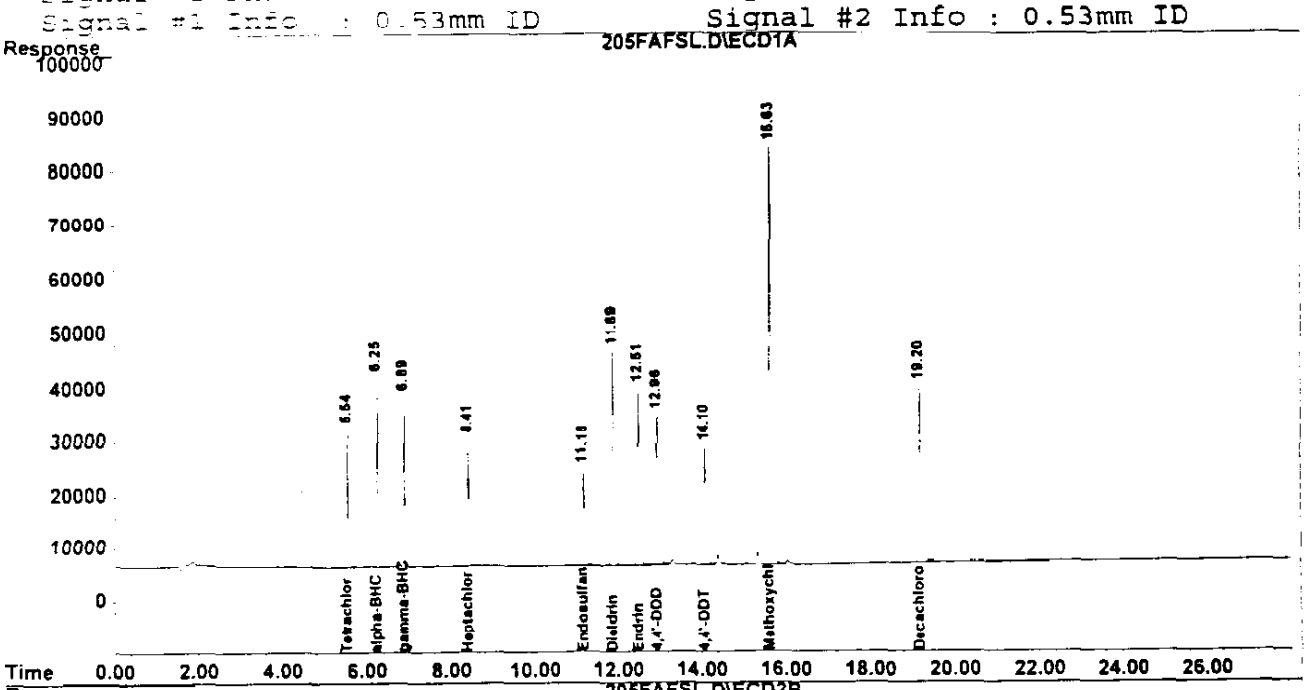
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	632824	699088	36.467	35.989
Spiked Amount 60.000 Range 30 - 150 Recovery =					60.78%	59.98%
22) S Decachlorobiphen	19.20	21.59	1157754	1290041	71.514	73.003
Spiked Amount 60.000 Range 30 - 150 Recovery =					119.19%	121.67%
Target Compounds						
5) MB Aldrin	9.24	10.87	605001	740665	36.961	37.385
6) B beta-BHC	6.77f	9.10	409701	465705	38.257	37.766
7) B delta-BHC	7.37	10.05	692498	815372	38.048	38.913
8) B Heptachlor Epoxi	10.23	12.43	610843	739933	37.164	38.205
B gamma-Chlordane	10.84	13.01	634611	777860	37.675	38.516
B alpha-Chlordane	11.25	13.49	625329	755063	37.126	37.740
12) B 4,4'-DDE	11.77	14.22	1261228	1407469	77.603	79.590
15) B Endosulfan II	12.77	15.92	1179830	1236972	78.060	80.306
18) B Endrin Aldehyde	13.32	16.62	998652	977560	77.011	80.806
19) B Endosulfan Sulfa	14.05	16.98	999939	1011945	72.793	77.821
21) B Endrin Ketone	15.36	18.45f	1321189	1208432	78.013	87.440
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

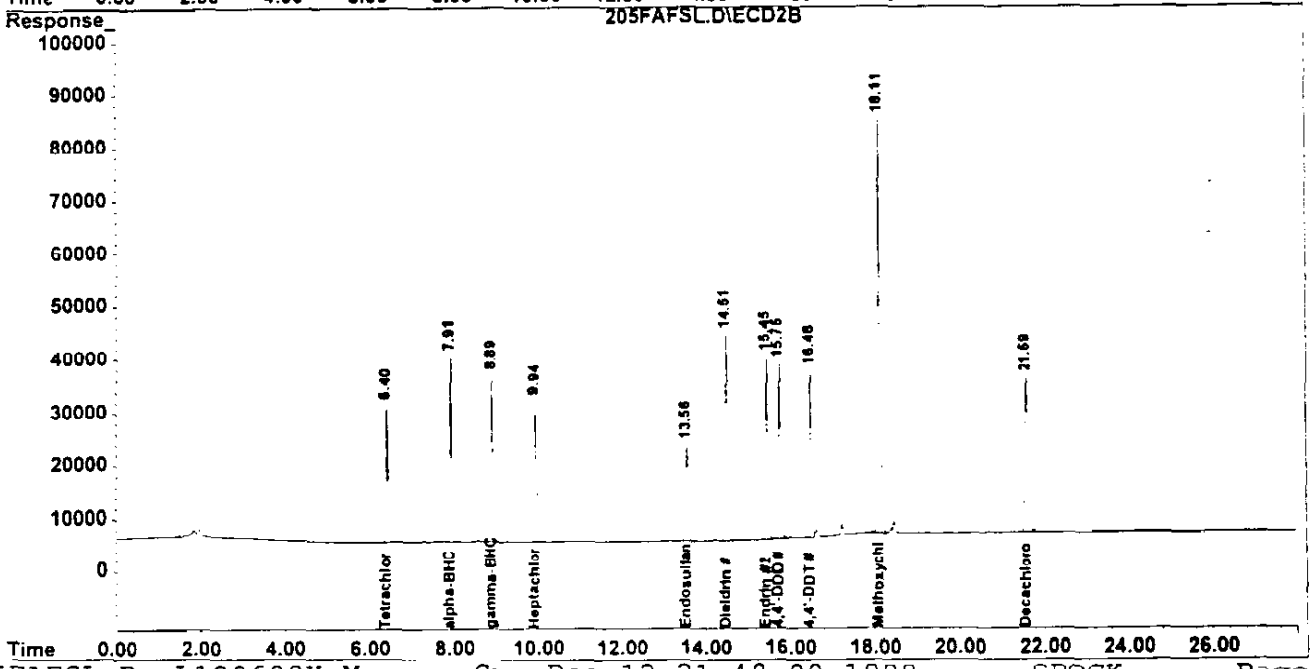
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\205FAFSL.D\ECD1A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\205FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 21:06 Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 21:47 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Signal #1 : O:\ORG\SVOA\ECD\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\205FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 21:06 Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 21:47 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

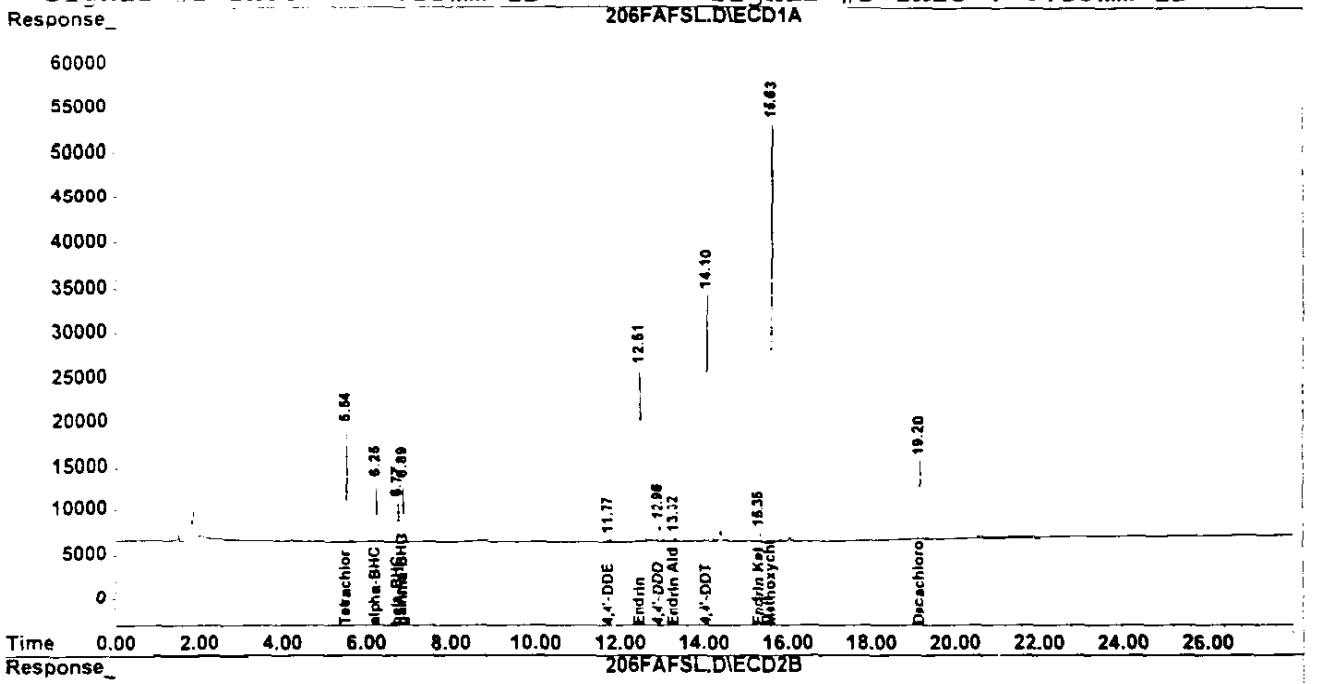
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.55	6.40	683120	750569	39.366	38.639
Spiked Amount 60.000 Range 30 - 150 Recovery =					65.61%	64.40%
22) S Decachlorobiphen	19.20	21.59	1304729	1439835	80.592	81.480
Spiked Amount 60.000 Range 30 - 150 Recovery =					134.32%	135.80%
Target Compounds						
2) A alpha-BHC	6.25	7.91	876236	1014995	42.321	42.313
3) MA gamma-BHC	6.89	8.89	836845	965903	41.714	41.798
4) MA Heptachlor	8.41	9.94	695544	920198	37.660	39.394
9) A Endosulfan I	11.19	13.56	638456	764048	39.778	40.685
[illegible] MA Dieldrin	11.89	14.51	1401832	1493537	79.963	81.698
[illegible] MA Endrin	12.51	15.46	1197702	1217225	76.922	81.035
16) A 4,4'-DDD	12.96	15.75	1111759	1121821	81.083	85.481
17) MA 4,4'-DDT	14.10	16.48	884233	1004093	70.715	76.790
20) A Methoxychlor	15.63	18.11	2775979	2628698	342.264	364.930
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

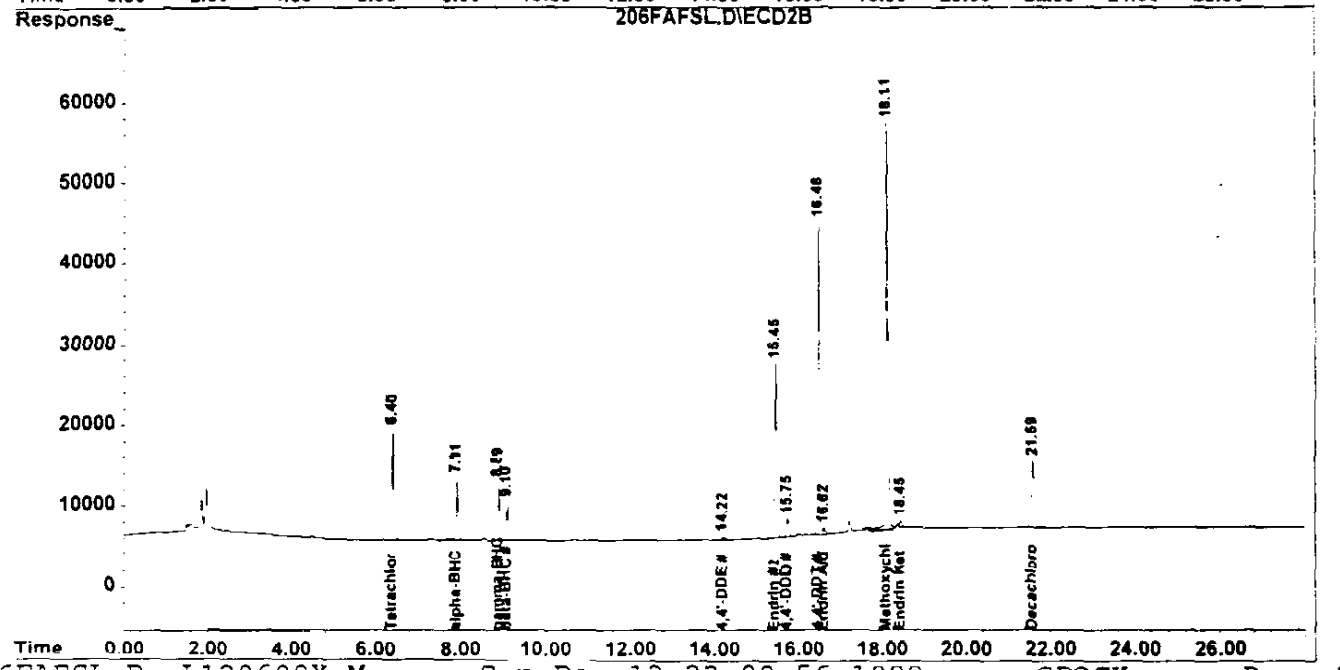
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\206FAFSL.D\ECD1A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\206FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 21:37 Operator: GDM
Sample : S-9544 Inst : SL2
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 22:09 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030085

Signal #1 : C:\ORG\SVOA\ECD\SL2\06DEC99\[illegible]
Signal #2 : C:\ORG\SVOA\ECD\SL2\06DEC99\206FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 21:37 Operator: GDM
Sample : S-9544 Inst : SL2
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 22:09 1999 Quant Results File: L120699X.RES

Quant Method : C:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

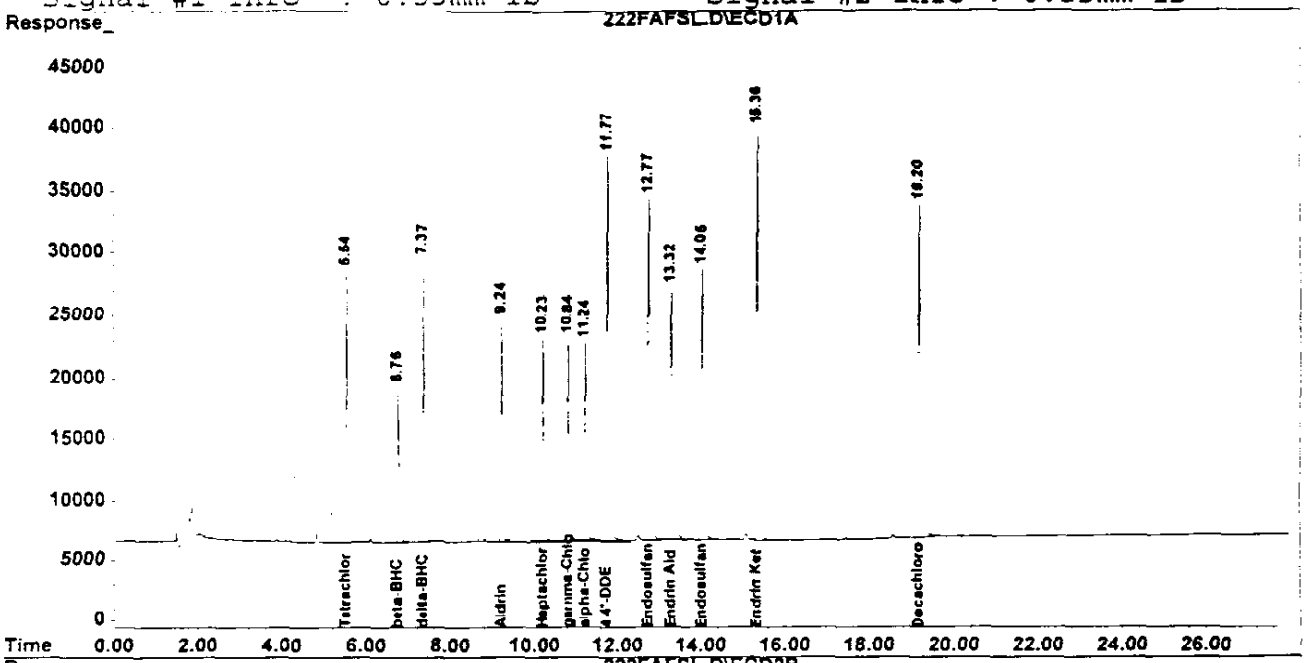
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	5.55	6.40	333710	387038	19.231	19.925
		Spiked Amount 60.000 Range 30 - 150 Recovery =					32.05%	33.21%
22)	S	Decachlorobiphen	19.20	21.59	341432	407841	21.090	23.080
		Spiked Amount 60.000 Range 30 - 150 Recovery =					35.15%	38.47%
		Target Compounds						
2)	A	alpha-BHC	6.25	7.91	166555	237080	8.044	9.883
3)	MA	gamma-BHC	6.89	8.89	175649	210773	8.756	9.121
6)	B	beta-BHC	6.77f	9.10	126405	137175	11.803	11.124
12)	B	4,4'-DDE	11.77	14.22	13891	18627	0.855	1.053
	MA	Endrin	12.51	15.46	707872	738835	45.463	49.187
	A	4,4'-DDD	12.96	15.75	71160	74863	5.190m	5.704
17)	MA	4,4'-DDT	14.10	16.48	1107159	1248688	88.544	95.496
18)	B	Endrin Aldehyde	13.32	16.62	16547	27653	1.276	2.286m#
20)	A	Methoxychlor	15.63	18.11	1681272	1758466	207.293	244.120
21)	B	Endrin Ketone	15.36	18.45f	32684	30466	1.930	2.204m
		Sum Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
		Sum Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
		Sum Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
		Sum Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
		Sum Aroclor-1248			0	0	N.D.	N.D.
		Average Aroclor-1248					0.000	0.000
		Sum Aroclor-1254			0	0	N.D.	N.D.
		Average Aroclor-1254					0.000	0.000
		Sum Aroclor-1260			0	0	N.D.	N.D.
		Average Aroclor-1260					0.000	0.000

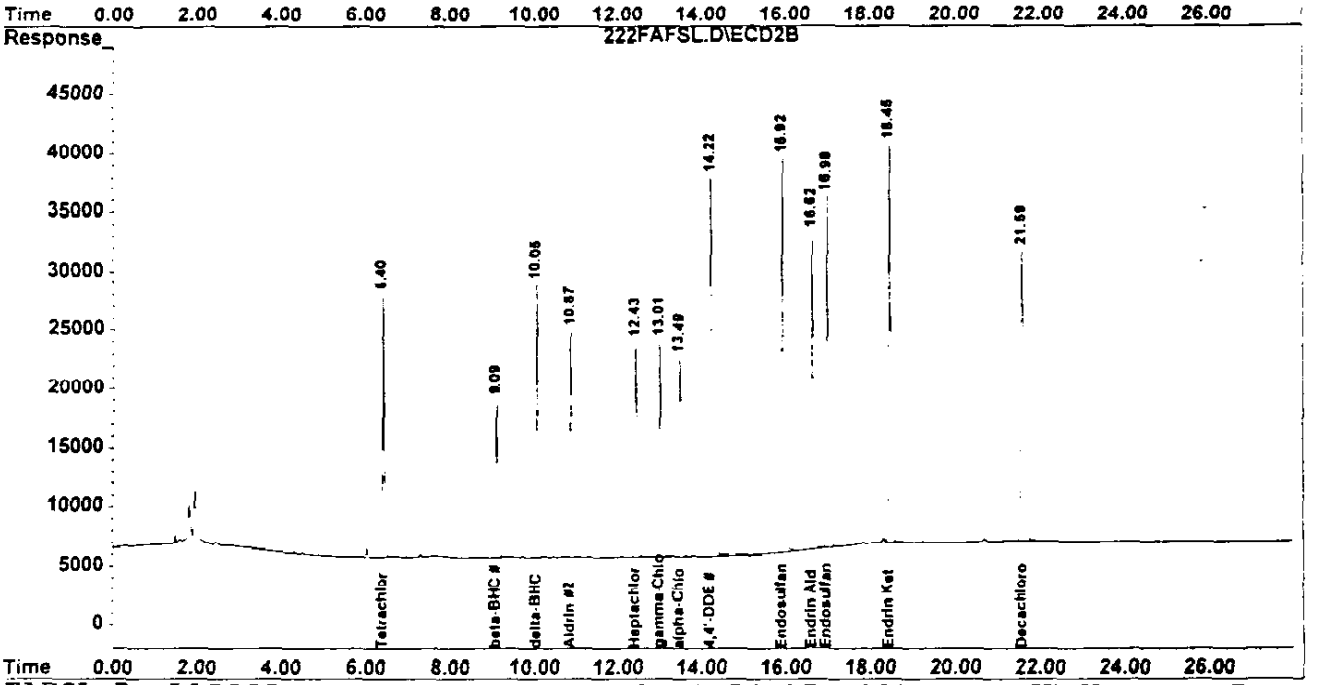
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\222FAFSL.D\ECD1A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\222FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 6:04 am Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:03 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030087

Signal #1 : C:\ORG\SVOA\ECD\SL2\06DEC99\[illegible]
Signal #2 : C:\ORG\SVOA\ECD\SL2\06DEC99\222FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 6:04 am Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:03 1999 Quant Results File: L120699X.RES

Quant Method : C:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

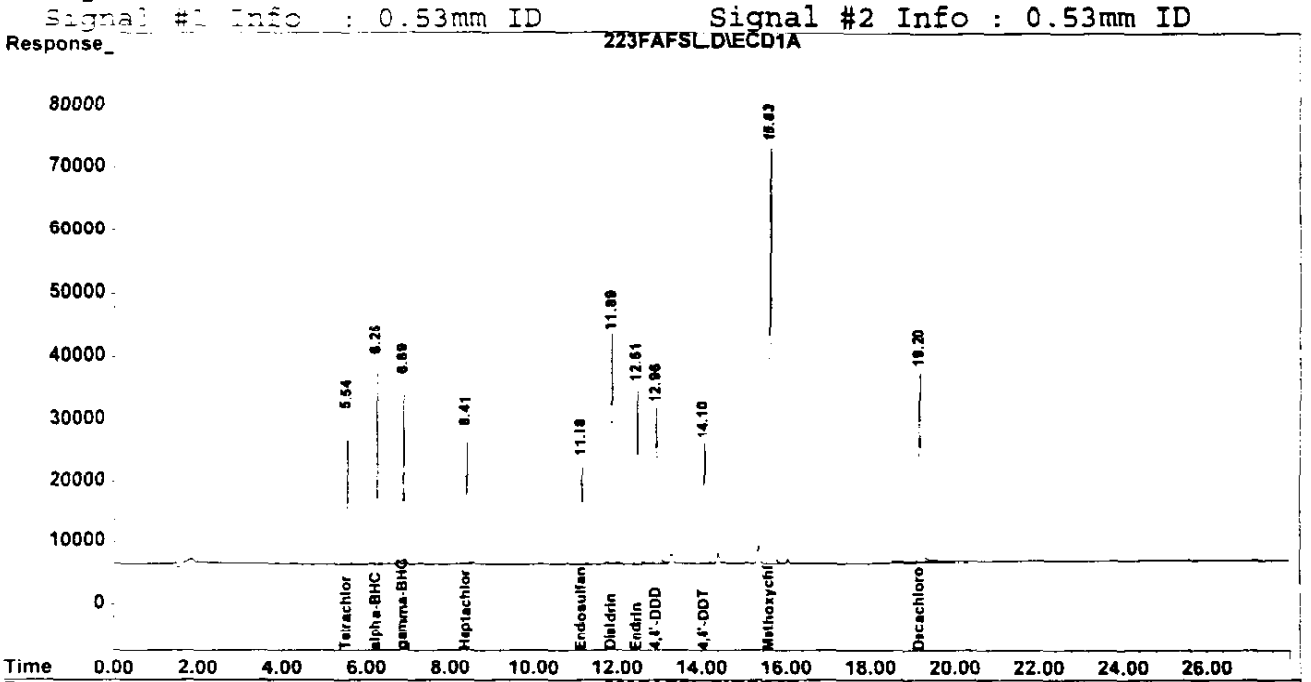
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	5.54	6.40	589868	661339	33.992	34.046
	Spiked Amount 60.000 Range 30 - 150 Recovery =					56.65%	56.74%
22)	S Decachlorobiphen	19.20	21.59	1072555	1229120	66.251	69.555
	Spiked Amount 60.000 Range 30 - 150 Recovery =					110.42%	115.93%
	Target Compounds						
5)	MB Aldrin	9.24	10.87	558758	695229	34.136	35.092
6)	B beta-BHC	6.77f	9.10	383726	441124	35.831	35.773
7)	B delta-BHC	7.37f	10.05	631680	751761	34.706	35.877
8)	B Heptachlor Epoxi	10.23	12.43	560055	695743	34.074	35.923
	B gamma-Chlordane	10.84	13.01	582087	733626	34.557	36.326
	B alpha-Chlordane	11.25	13.49	578511	714574	34.347	35.717
12)	B 4,4'-DDE	11.77	14.22	1153717	1328515	70.988	75.126
15)	B Endosulfan II	12.77	15.92	1075001	1184858	71.125	76.923
18)	B Endrin Aldehyde	13.32	16.62	906335	914382	69.892	75.584
19)	B Endosulfan Sulfa	14.05	16.98	916681	960953	66.732	73.900
21)	B Endrin Ketone	15.36	18.45f	1211531	1139961	71.538	82.486
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000

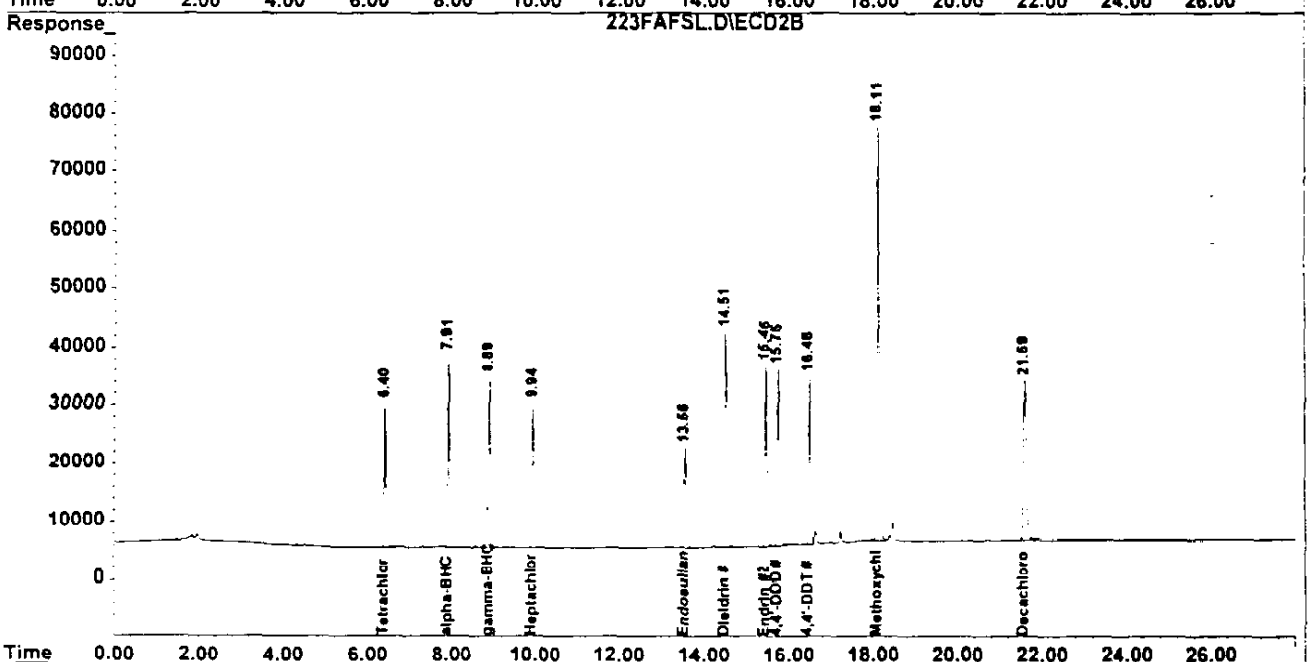
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\223FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 6:35 am Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:07 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030089

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\223FAFSL.D\ECD2B.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\223FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 6:35 am Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:07 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

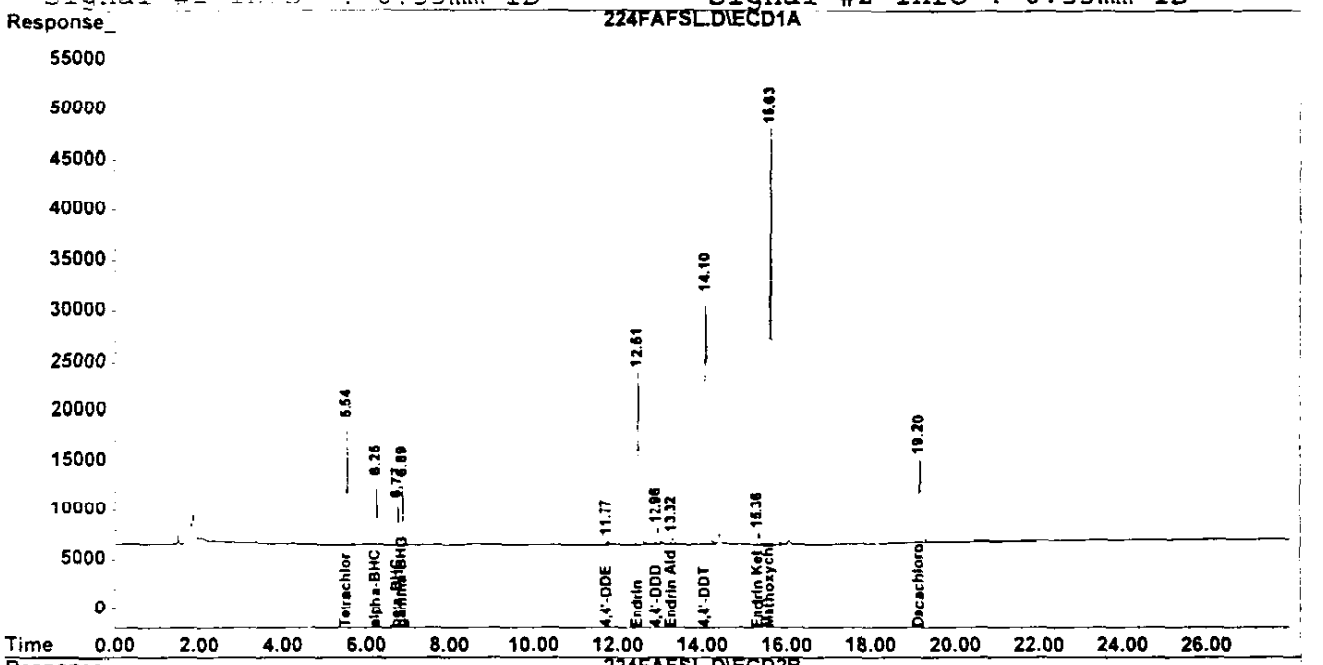
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.54	6.40	642832	716279	37.044	36.874
	Spiked Amount 60.000 Range 30 - 150 Recovery =					61.74%	61.46%
22) S	Decachlorobiphen	19.20	21.59	1220376	1380735	75.382	78.135
	Spiked Amount 60.000 Range 30 - 150 Recovery =					125.64%	130.23%
	Target Compounds						
2) A	alpha-BHC	6.25	7.91	815158	959779	39.371	40.011
3) MA	gamma-BHC	6.89	8.89	779799	910040	38.870	39.381
4) MA	Heptachlor	8.41	9.94	625649	858541	33.876	36.755
9) A	Endosulfan I	11.19	13.56	584695	726640	36.429	38.693
MA	Dieldrin	11.89	14.51	1290581	1417004	73.617	77.512
MA	Endrin	12.51	15.46	1050762	1095407	67.485	72.926
16) A	4,4'-DDD	12.96	15.75	1037895	1065675	75.696	81.203
17) MA	4,4'-DDT	14.10	16.49	792544	927889	63.383	70.962
20) A	Methoxychlor	15.64	18.11	2438598	2400723	300.667	333.281
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000

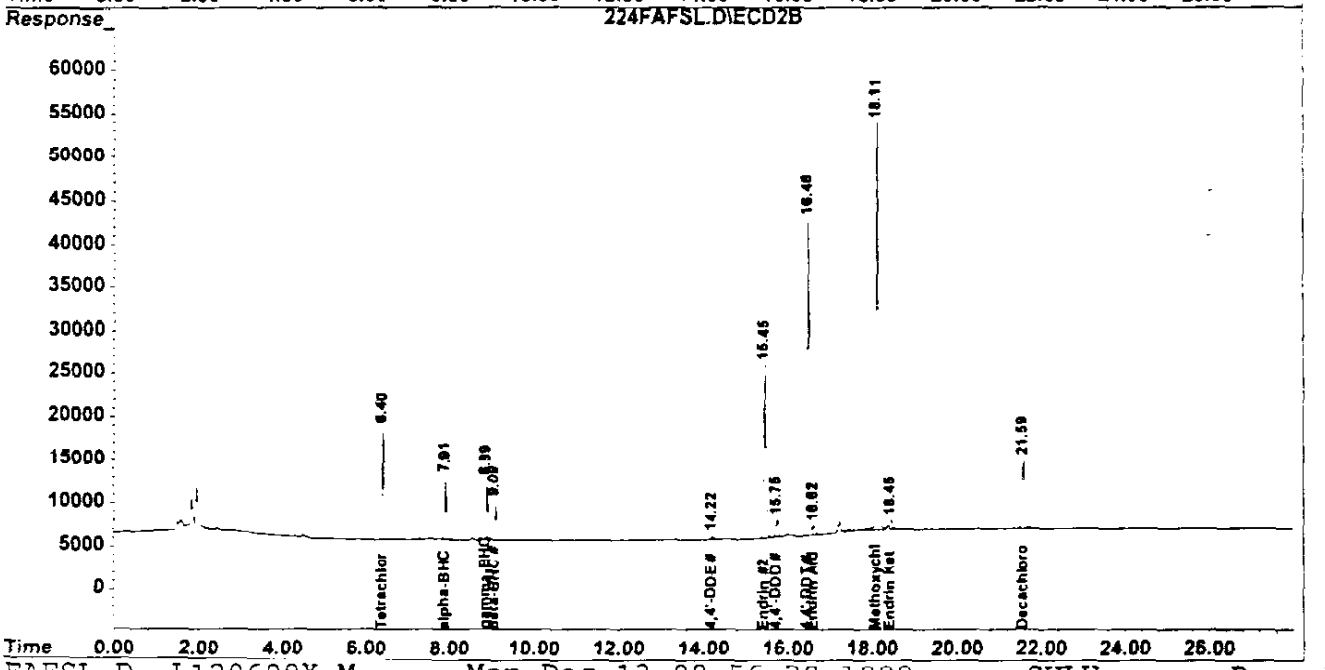
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\224FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 7:07 am Operator: GDM
Sample : S-9844 Inst : SL2
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:08 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





Signal #1 : O:\ORG\SVOA\ECD\SL2\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\224FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 7:07 am Operator: GDM
Sample : S-9544 Inst : SL2
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:08 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

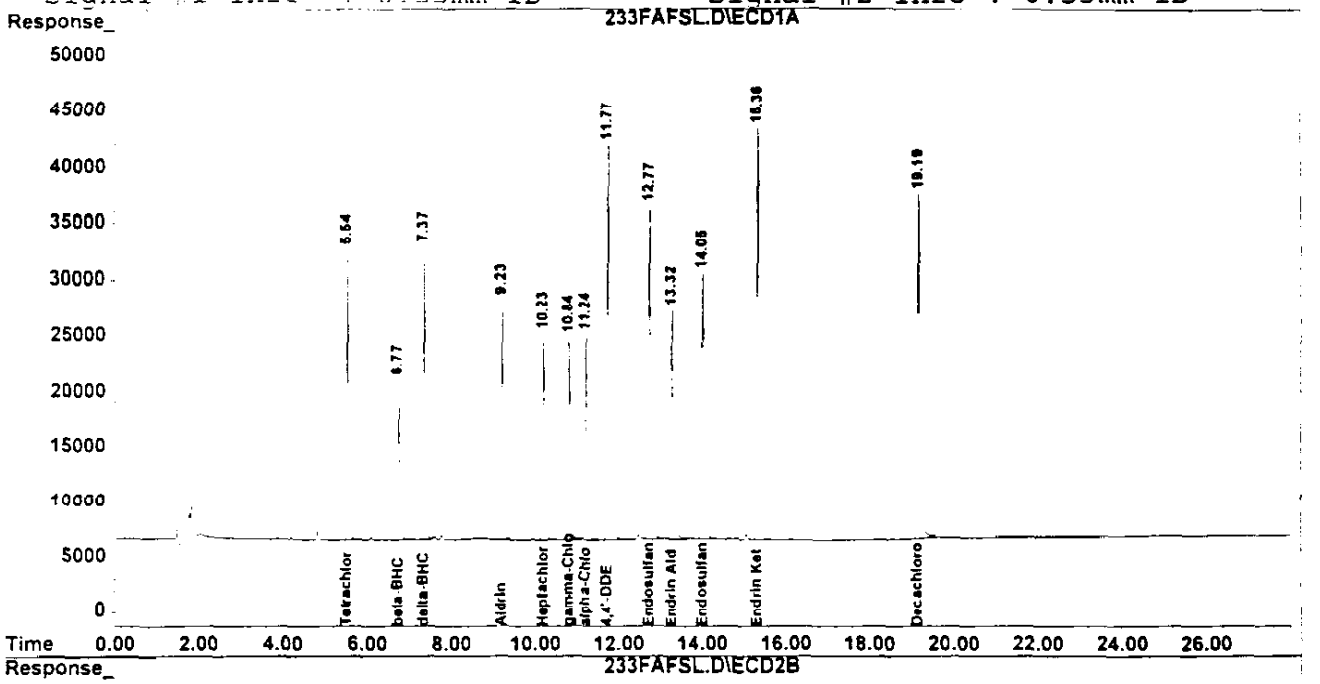
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	5.54	6.40	315999	369427	18.210	19.018
	Spiked Amount 60.000 Range 30 - 150 Recovery =					30.35%	31.70%
22)	S Decachlorobiphen	19.20	21.59	323819	393884	20.002	22.290
	Spiked Amount 60.000 Range 30 - 150 Recovery =					33.34%	37.15%
	Target Compounds						
2)	A alpha-BHC	6.25	7.91	159342	195682	7.696	8.158
3)	MA gamma-BHC	6.89	8.89	168682	202521	8.408	8.764
6)	B beta-BHC	6.77f	9.10	120334	131928	11.236	10.699
12)	B 4,4'-DDE	11.77	14.22	12002	19489	0.739	1.102m#
	MA Endrin	12.51	15.46	646208	706906	41.502	47.062
	A 4,4'-DDD	12.96	15.75	61995	65171	4.521m	4.966m
17)	MA 4,4'-DDT	14.10	16.49	1016052	1183938	81.257	90.544
18)	B Endrin Aldehyde	13.32	16.62	25590	41996	1.973	3.471 #
20)	A Methoxychlor	15.64	18.11	1528773	1601295	188.490	222.300
21)	B Endrin Ketone	15.36	18.45f	40125	41356	2.369	2.992 #
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000

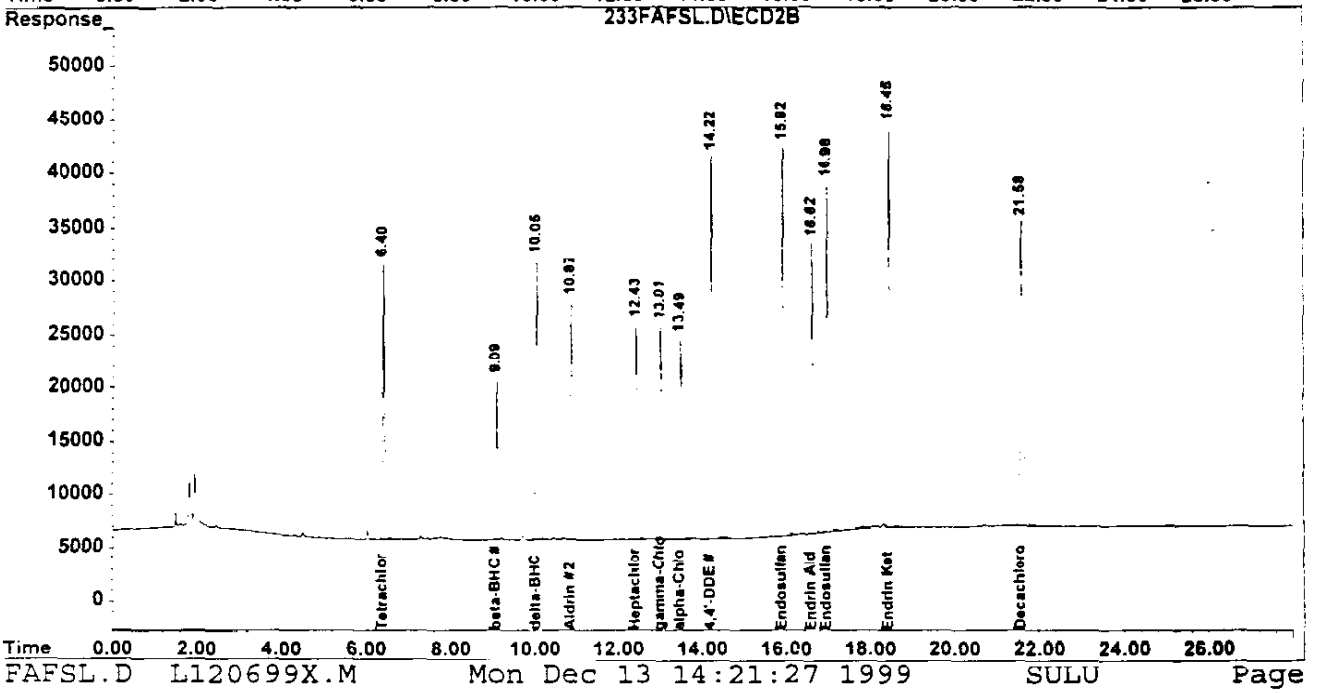
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\233FAFSL.D\ECD1A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\233FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 12:59 pm Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:14 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





020093

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\233FAFSL.D\ECD2A.CH
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\233FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 12:59 pm Operator: GDM
Sample : S-9545 Inst : SL2
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:14 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

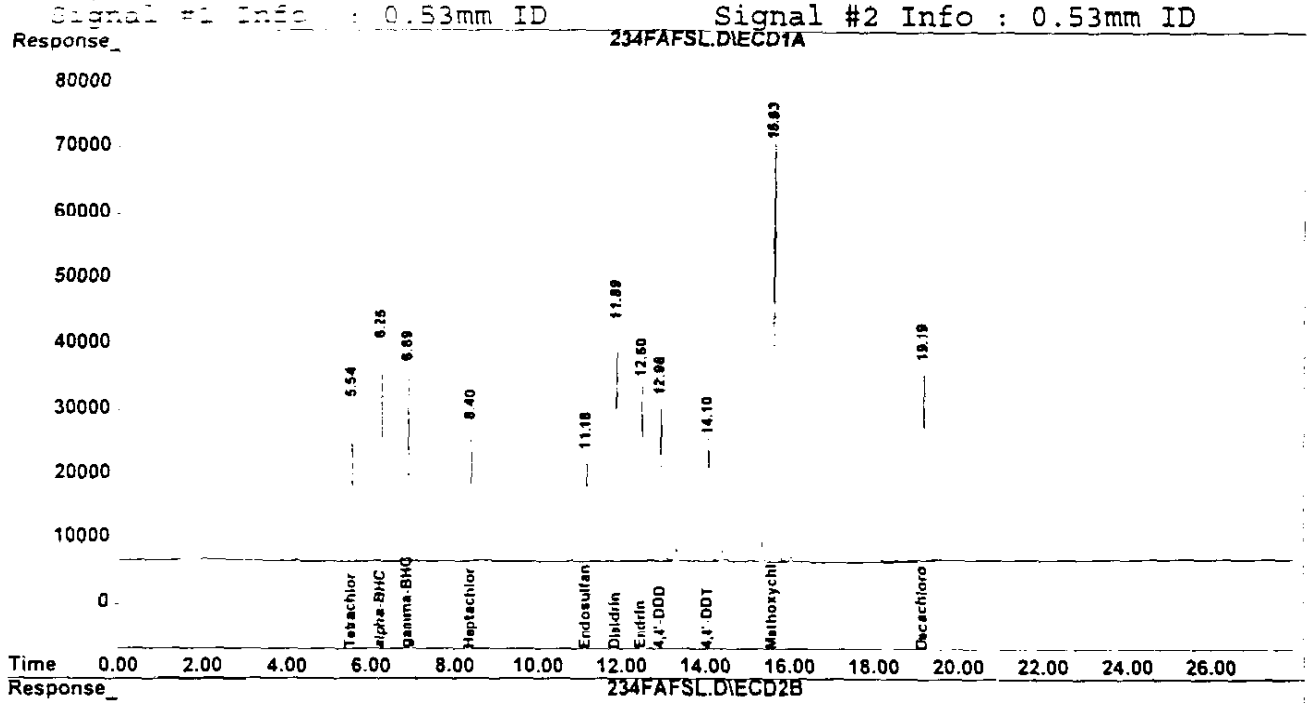
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.55	6.40	693611	774159	39.970	39.854
Spiked Amount	60.000 Range 30 - 150 Recovery =					66.62%	66.42%
22) S	Decachlorobiphen	19.20	21.58	1237515	1431731	76.440	81.021
Spiked Amount	60.000 Range 30 - 150 Recovery =					127.40%	135.04%
	Target Compounds						
5) MB	Aldrin	9.24	10.87	656941	812126	40.134	40.992
6) B	beta-BHC	6.77f	9.09	436741	498569	40.782	40.431
7) B	delta-BHC	7.37f	10.05	729806	857335	40.098	40.916
8) B	Heptachlor Epoxi	10.23	12.43	623307	771057	37.922	39.812
[illegible] B	gamma-Chlordane	10.84	13.01	636032	806210	37.759	39.920
[illegible] B	alpha-Chlordane	11.24	13.49	656339	809540	38.967	40.463
12) B	4,4'-DDE	11.77	14.22	1312165	1496702	80.737	84.636
15) B	Endosulfan II	12.77	15.92	1166555	1289538	77.182	83.719
18) B	Endrin Aldehyde	13.32	16.62	920939	941921	71.018	77.860
19) B	Endosulfan Sulfa	14.05	16.98	997858	1064024	72.642	81.827
21) B	Endrin Ketone	15.36	18.45f	1348202	1280838	79.608	92.680
Sum	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
Sum	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
Sum	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
Sum	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
Sum	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
Sum	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000

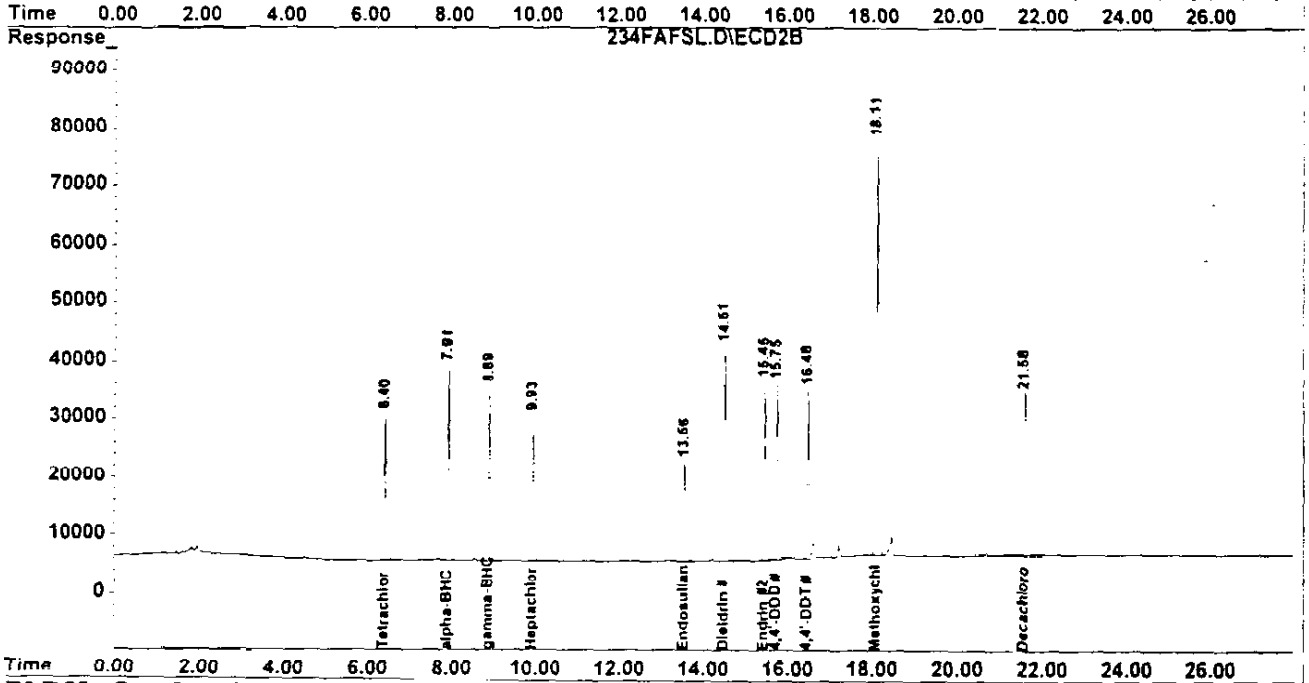
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\234FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 1:30 pm Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:16 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





036095

Signal #1 : O:\ORG\SVOA\ECD\SL2\[illegible]
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\234FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 1:30 pm Operator: GDM
Sample : S-9501 Inst : SL2
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:16 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:46 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	646320	723650	37.245	37.253
Spiked Amount 60.000 Range 30 - 150 Recovery =					62.07%	62.09%
22) S Decachlorobiphen	19.20	21.58	1206219	1400506	74.507	79.254
Spiked Amount 60.000 Range 30 - 150 Recovery =					124.18%	132.09%
Target Compounds						
2) A alpha-BHC	6.25	7.91	825500	978594	39.871	40.796
3) MA gamma-BHC	6.89	8.89	787135	926636	39.236	40.099
4) MA Heptachlor	8.40	9.94	609322	857837	32.992	36.725
9) A Endosulfan I	11.18	13.56	579833	728258	36.126	38.779
[illegible] MA Dieldrin	11.89	14.51	1279086	1418854	72.961	77.613
[illegible] MA Endrin	12.51	15.45	1009111	1075975	64.810	71.632
16) A 4,4'-DDD	12.96	15.75	1018252	1066806	74.263	81.289
17) MA 4,4'-DDT	14.10	16.48	781013	939973	62.460	71.886
20) A Methoxychlor	15.63	18.11	2357088	2392231	290.617	332.102m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

D. Raw QC Data

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB912121

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: PB912121

Sample wt/vol: 30 (g/ml) G Lab File ID: 207FAFSL.D

% Moisture: 0 decanted:(Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

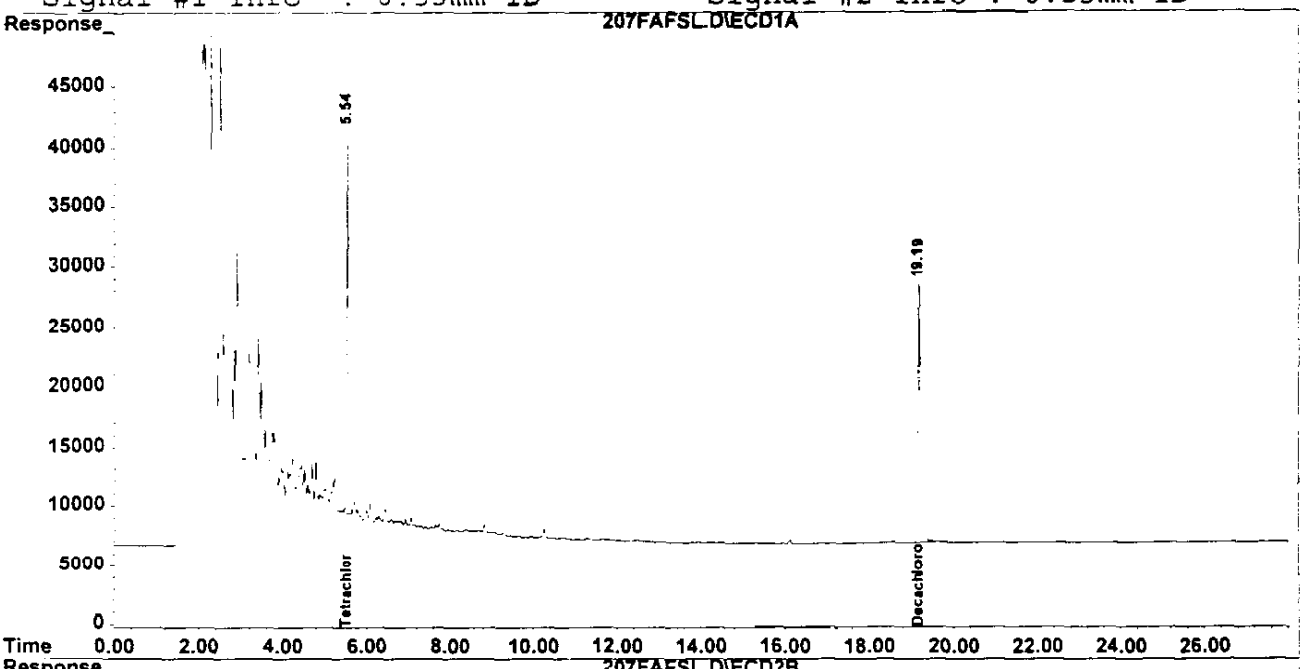
CONCENTRATION UNITS:

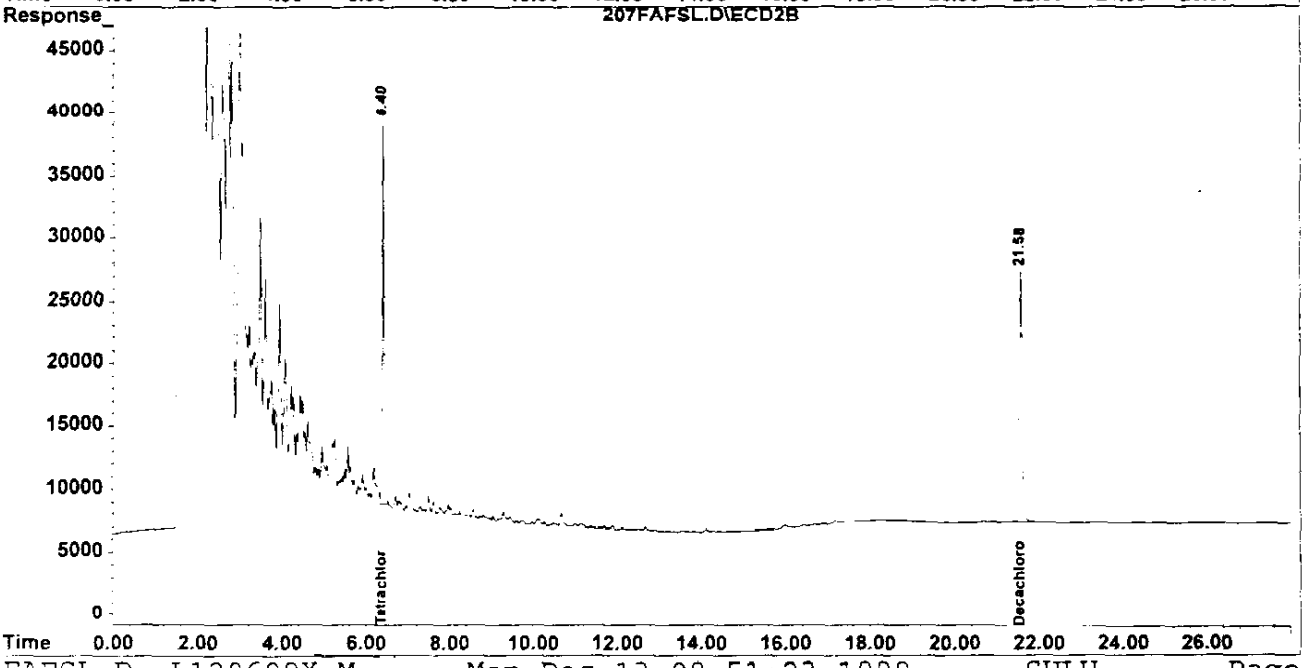
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
58-89-9	gamma-BHC	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U
72-55-9	4,4'-DDE	3.3	U
60-57-1	Dieldrin	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
50-29-3	4,4'-DDT	3.3	U
7421-36-3	Endrin Aldehyde	3.3	U
1031-07-8	Endosulfan Sulfate	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin Ketone	3.3	U
8001-35-2	Toxaphene	170	U

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\207FAFSL.D\ECD1A.CH Vial: 1
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\207FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 10:08 pm Operator: GDM
Sample : PB912121 Inst : SL2
Misc : PB912121 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:17 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030092

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\207FAFSL.D\ECD1A.CH Vial: 1
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\207FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 10:08 pm Operator: GDM
Sample : PB912121 Inst : SL2
Misc : PB912121 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:17 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	876007	928028	50.481m	47.775m
Spiked Amount 60.000 Range 30 - 150 Recovery =					84.14%	79.63%
22) S Decachlorobiphen	19.20	21.59	842726	971702	52.055	54.988
Spiked Amount 60.000 Range 30 - 150 Recovery =					86.76%	91.65%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PL912121

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: PL912121

Sample wt/vol: 30 (g/ml) G Lab File ID: 208FAFSL.D

% Moisture: 0 decanted:(Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/12/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

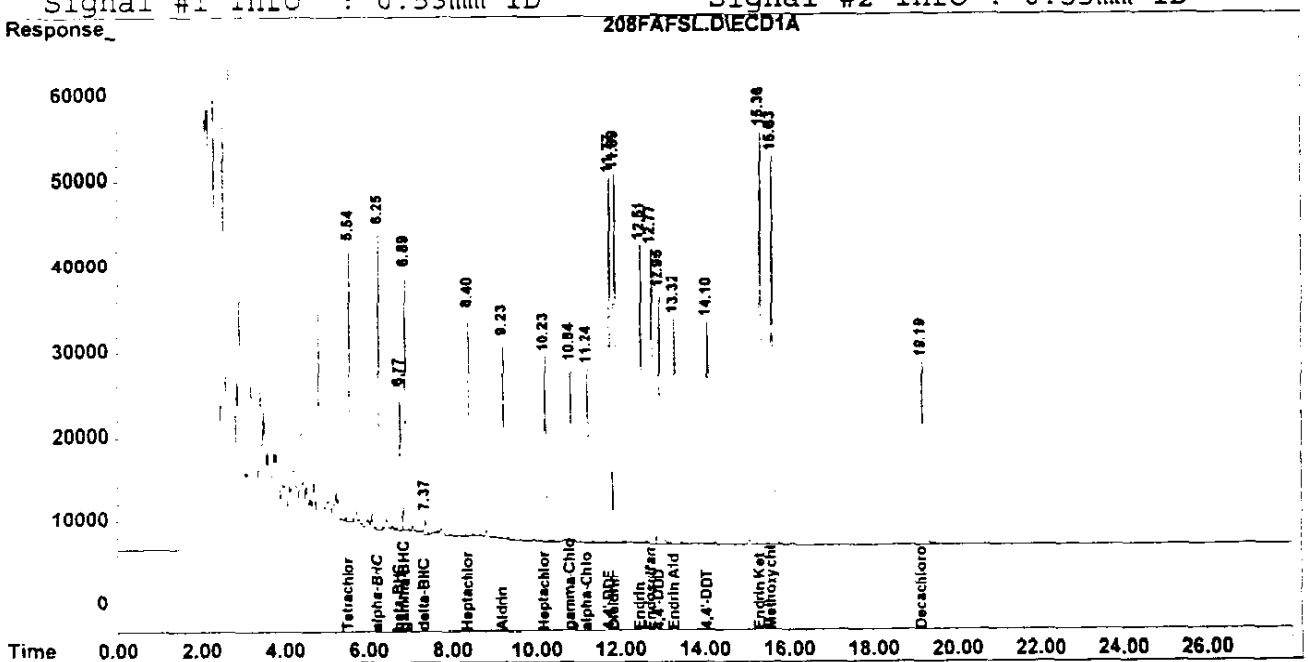
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

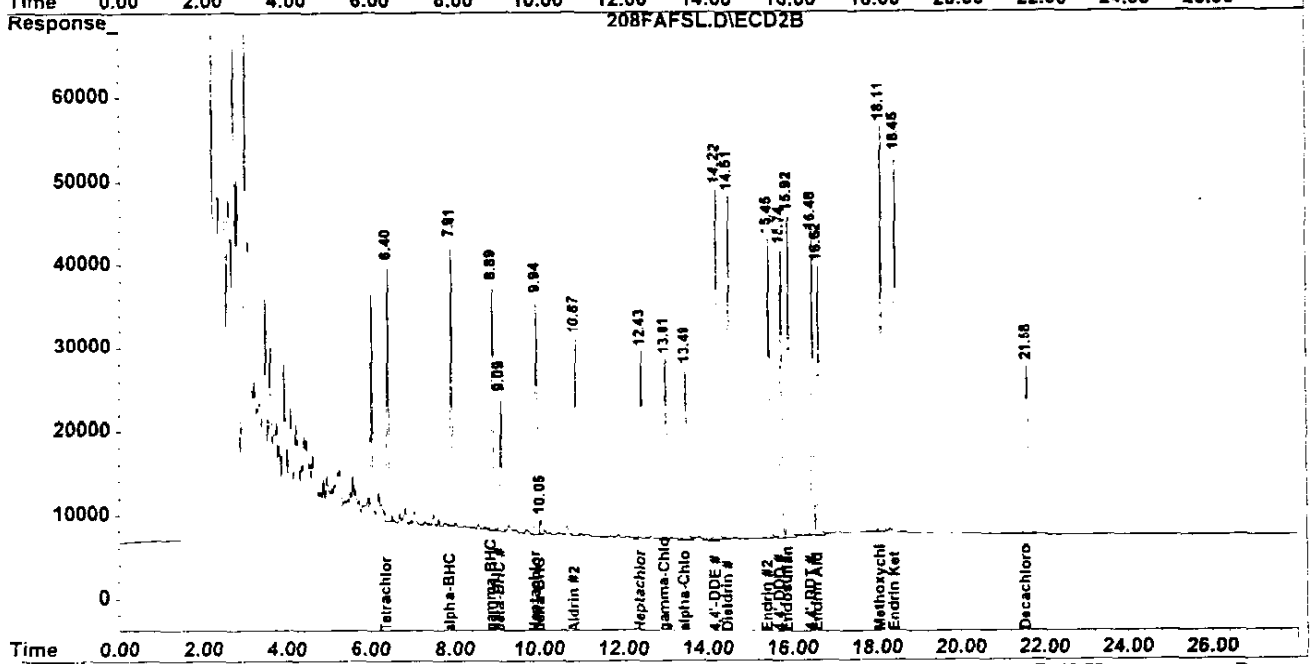
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	14	
58-89-9	gamma-BHC	13	
76-44-8	Heptachlor	14	
309-00-2	Aldrin	14	
319-85-7	beta-BHC	15	
319-86-8	delta-BHC	1.2	J
1024-57-3	Heptachlor Epoxide	15	
959-98-8	Endosulfan I	1.7	U
5103-74-2	gamma-Chlordane	14	
5103-71-9	alpha-Chlordane	14	
72-55-9	4,4'-DDE	30	
60-57-1	Dieldrin	29	
72-20-8	Endrin	26	
33213-65-9	Endosulfan II	28	
72-54-8	4,4'-DDD	28	
50-29-3	4,4'-DDT	27	
7421-36-3	Endrin Aldehyde	29	
1031-07-8	Endosulfan Sulfate	3.3	U
72-43-5	Methoxychlor	65	
53494-70-5	Endrin Ketone	33	
8001-35-2	Toxaphene	170	U

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\208FAFSL.D\ECD1A.CH Vial: 2
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\208FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 10:40 pm Operator: GDM
Sample : PL912121 Inst : SL2
Misc : PL912121 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:25 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030102

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\208FAFSL.D\ECD1A.CH Vial: 2
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\208FAFSL.D\ECD2B.CH
Acq On : 12 Dec 1999 10:40 pm Operator: GDM
Sample : PL912121 Inst : SL2
Misc : PL912121 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:25 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.54	6.40	899299	953164	51.823m	49.069m
Spiked Amount	60.000 Range 30 - 150 Recovery =					86.37%	81.78%
22) S	Decachlorobiphen	19.20	21.59	837660	970613	51.742	54.927
Spiked Amount	60.000 Range 30 - 150 Recovery =					86.24%	91.55%
	Target Compounds						
2) A	alpha-BHC	6.25	7.91	913211	998239	44.107m	41.615m
3) MA	gamma-BHC	6.89	8.89	821775	926109	40.963m	40.076m
4) MA	Heptachlor	8.40	9.94	780419	994082	42.256m	42.557m
MB	Aldrin	9.24	10.87	721058	852964	44.051	43.054m
6) B	beta-BHC	6.77f	9.09	481555	540633	44.966m	43.843m
7) B	delta-BHC	7.37f	10.05	63632	76126	3.496m	3.633m
8) B	Heptachlor Epoxi	10.23	12.43	737192	857567	44.851	44.278
10) B	gamma-Chlordane	10.84	13.01	716034	863993	42.509	42.781
11) B	alpha-Chlordane	11.24	13.49	726564	868639	43.137	43.417
12) B	4,4'-DDE	11.77	14.22	1466769	1638784	90.250	92.671
13) MA	Dieldrin	11.89	14.51	1530406	1576879	87.297	86.257
14) MA	Endrin	12.51	15.46	1234115	1254030	79.261	83.486
15) B	Endosulfan II	12.77	15.92	1274496	1364682	84.324	88.597
16) A	4,4'-DDD	12.95	15.75	1134201	1132731	82.720	86.313
17) MA	4,4'-DDT	14.10	16.48	1023230	1145188	81.831	87.581m
18) B	Endrin Aldehyde	13.32	16.62	1109539	1107907	85.562	91.581
20) A	Methoxychlor	15.63	18.11	1586809	1571740	195.646	218.197m
21) B	Endrin Ketone	15.36	18.45f	1697514	1528801	100.234	110.622
Sum	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
Sum	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
Sum	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
Sum	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F3W1MS

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913657MS

Sample wt/vol: 30 (g/ml) G Lab File ID: 213FAFSL.D

% Moisture: 36 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

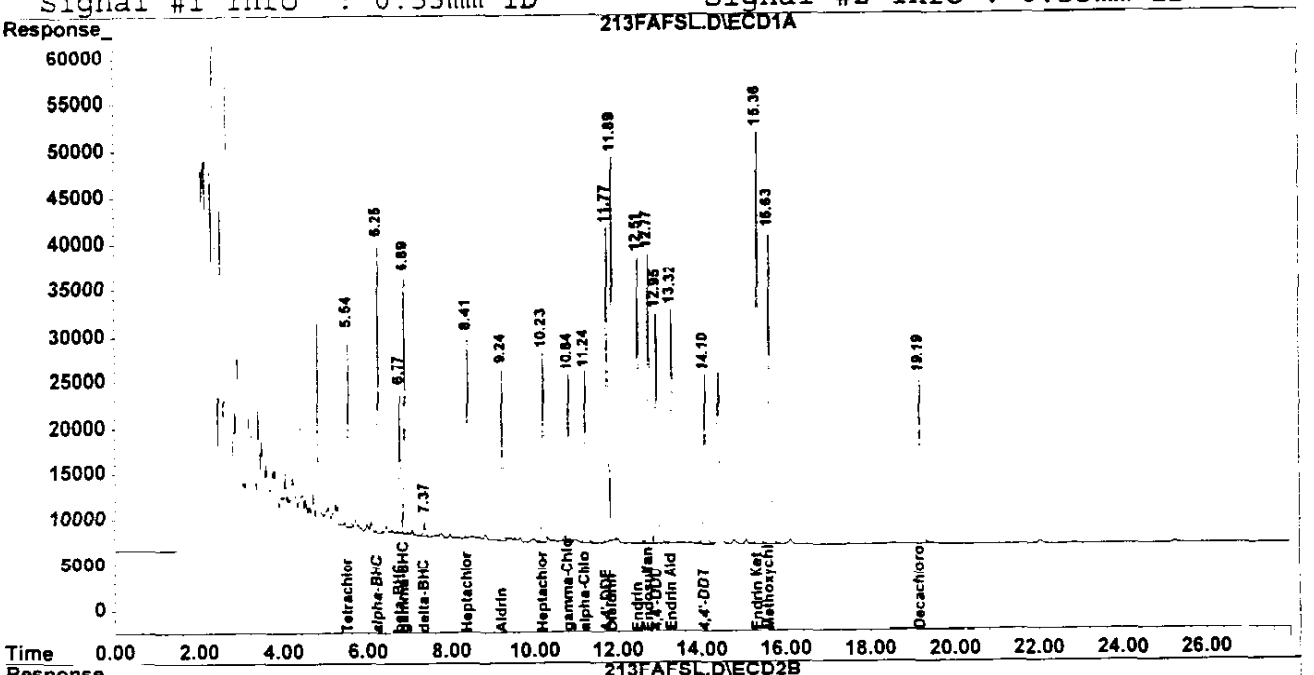
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

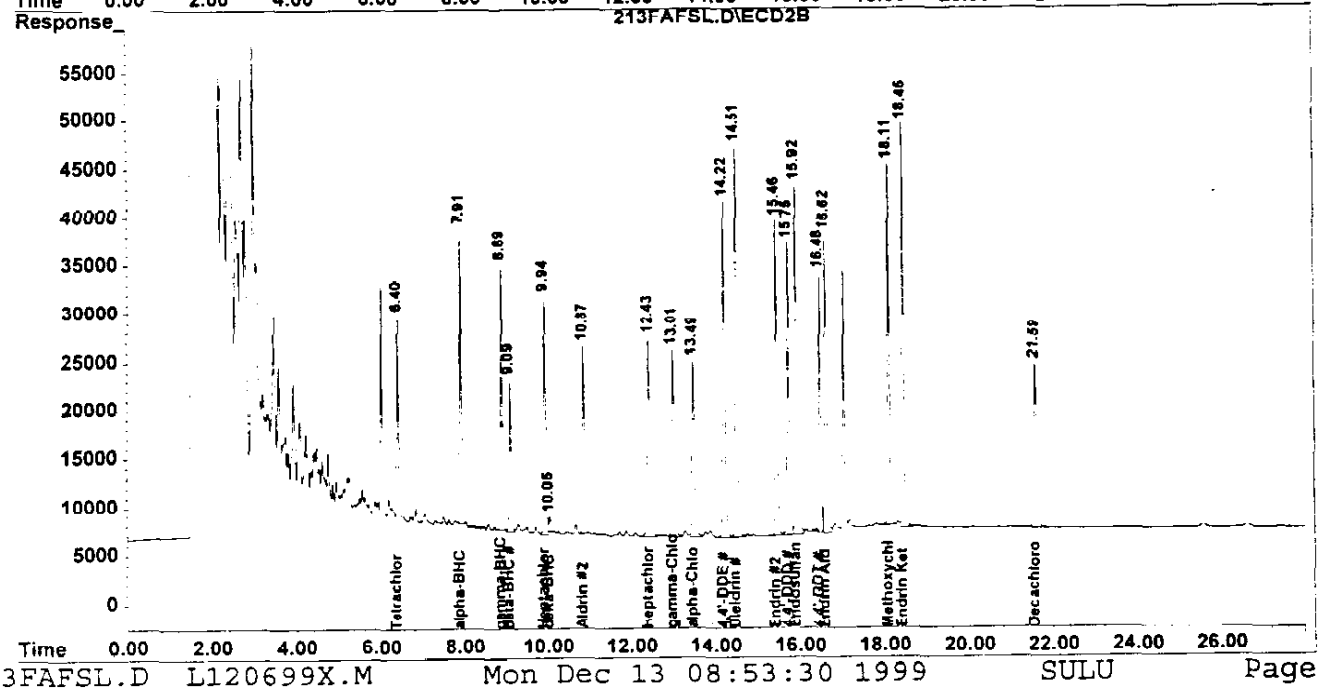
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	19	
58-89-9	gamma-BHC	19	
76-44-8	Heptachlor	18	
309-00-2	Aldrin	18	
319-85-7	beta-BHC	22	
319-86-8	delta-BHC	1.3	J
1024-57-3	Heptachlor Epoxide	22	
959-98-8	Endosulfan I	2.6	U
5103-74-2	gamma-Chlordane	19	
5103-71-9	alpha-Chlordane	20	
72-55-9	4,4'-DDE	36	
60-57-1	Dieldrin	42	
72-20-8	Endrin	37	
33213-65-9	Endosulfan II	40	
72-54-8	4,4'-DDD	36	
50-29-3	4,4'-DDT	31	
7421-36-3	Endrin Aldehyde	42	
1031-07-8	Endosulfan Sulfate	5.2	U
72-43-5	Methoxychlor	76	
53494-70-5	Endrin Ketone	48	
8001-35-2	Toxaphene	260	U

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\213FAFSL.D\ECD1A.CH Vial: 7
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\213FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 1:18 am Operator: GDM
Sample : 9913657MS Inst : SL2
Misc : 683-F3W1MS Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:38 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030105

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\213FAFSL.D\ECD1A.CH Vial: 7
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\213FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 1:18 am Operator: GDM
Sample : 9913657MS Inst : SL2
Misc : 683-F3W1MS Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 8:38 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.54	6.40	580646	604648	33.461m	31.127m
	Spiked Amount 60.000 Range 30 - 150 Recovery =					55.77%	51.88%
22) S	Decachlorobiphen	19.20	21.59	683932	827888	42.246	46.850
	Spiked Amount 60.000 Range 30 - 150 Recovery =					70.41%	78.08%
	Target Compounds						
2) A	alpha-BHC	6.25	7.91	804548	896919	38.859m	37.391m
3) MA	gamma-BHC	6.89	8.89	744919	844296	37.132m	36.536m
4) MA	Heptachlor	8.41	9.94	645363	868665	34.943	37.188
MB	Aldrin	9.24	10.87	576456	686929	35.217	34.673
6) B	beta-BHC	6.77f	9.09	448016	526298	41.835m	42.680m
7) B	delta-BHC	7.37f	10.05	51287	53366	2.818m	2.547m
8) B	Heptachlor Epoxi	10.23	12.43	735406	821059	44.743	42.393
10) B	gamma-Chlordane	10.84	13.01	629556	793599	37.375	39.296
11) B	alpha-Chlordane	11.25	13.49	660742	786318	39.229	39.303
12) B	4,4'-DDE	11.77	14.22	1132904	1356482	69.707	76.707
13) MA	Dieldrin	11.89	14.51	1415175	1547977	80.724	84.676
14) MA	Endrin	12.51	15.46	1101641	1135196	70.752	75.574
15) B	Endosulfan II	12.77	15.92	1154382	1272026	76.377	82.582
16) A	4,4'-DDD	12.95	15.75	953527	998537	69.543	76.087
17) MA	4,4'-DDT	14.10	16.48	742532	842415	59.383	64.425m
18) B	Endrin Aldehyde	13.32	16.62	1036523	1067313	79.932	88.225
20) A	Methoxychlor	15.63	18.11	1180889	1208083	145.598	167.713m
21) B	Endrin Ketone	15.36	18.45f	1557373	1436261	91.959	103.926
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	rage Aroclor-1242					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
213FAFSL.D L120699X.M Mon Dec 13 08:53:22 1999 SULU

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F3W1MSD

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991763 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913657MSD

Sample wt/vol: 30 (g/ml) G Lab File ID: 214FAFSL.D

% Moisture: 36 decanted:(Y/N) N Date Received: 12/11/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

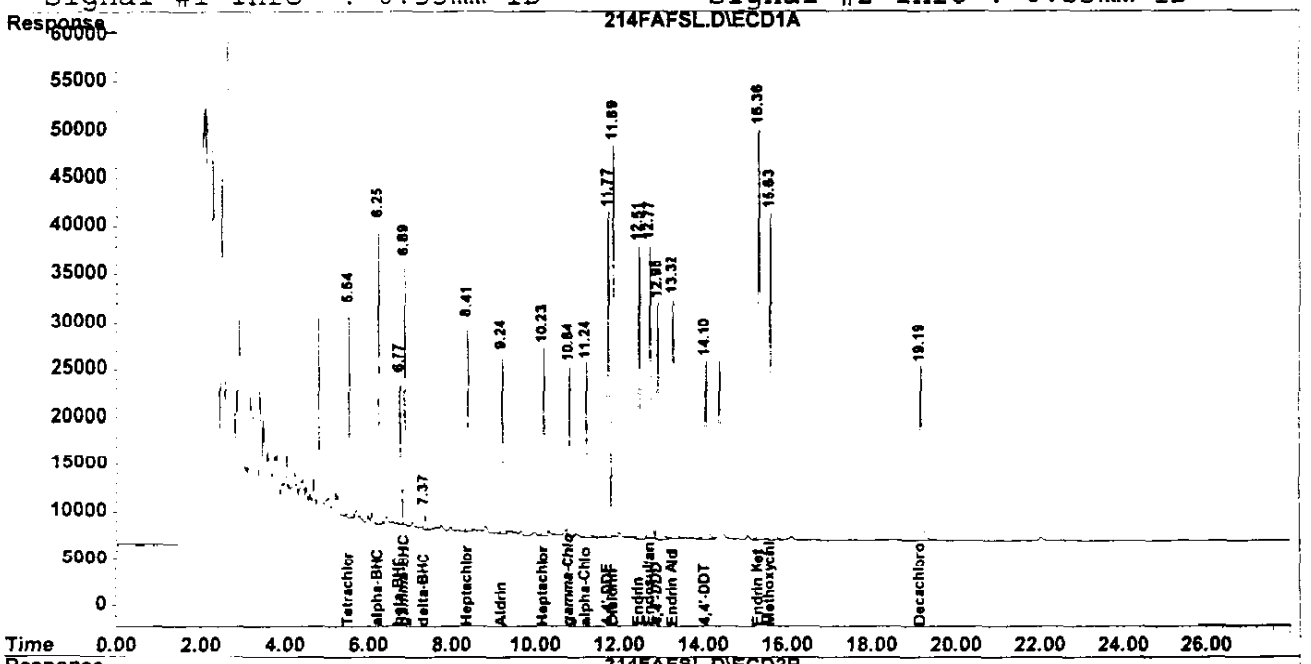
CONCENTRATION UNITS:

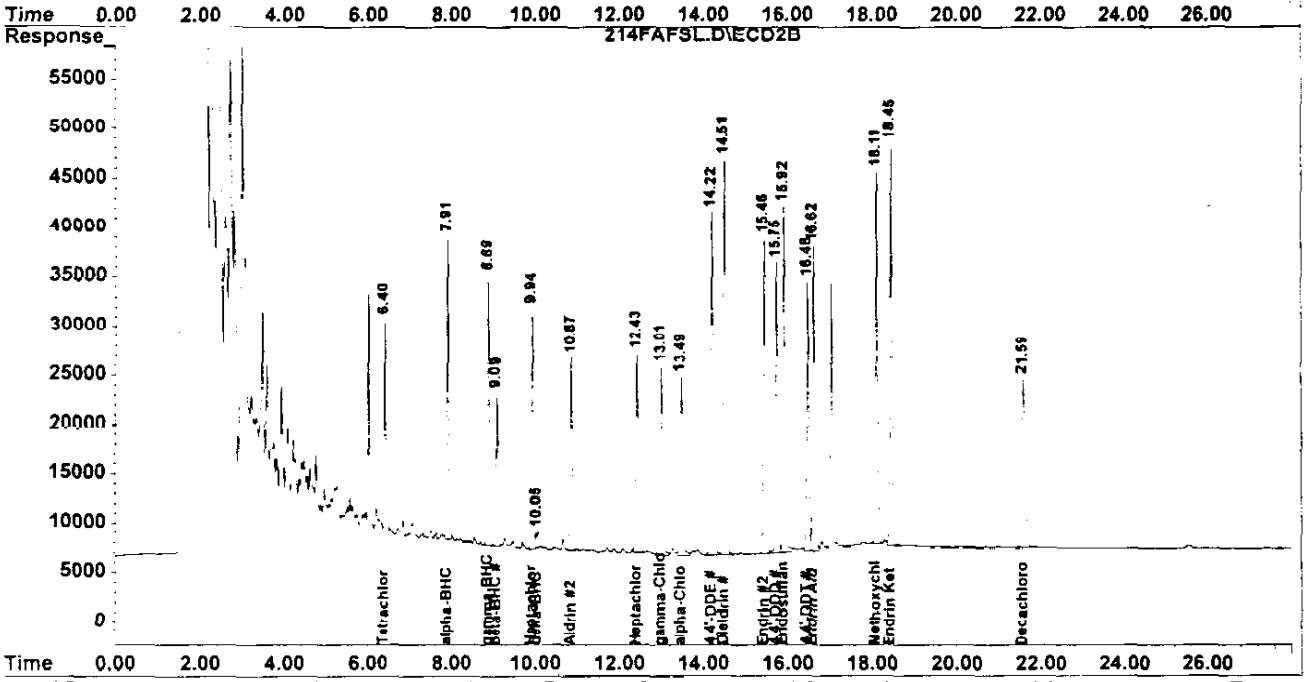
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20	
58-89-9	gamma-BHC	19	
76-44-8	Heptachlor	19	
309-00-2	Aldrin	18	
319-85-7	beta-BHC	22	
319-86-8	delta-BHC	1.4	J
1024-57-3	Heptachlor Epoxide	21	
959-98-8	Endosulfan I	2.6	U
5103-74-2	gamma-Chlordane	19	
5103-71-9	alpha-Chlordane	20	
72-55-9	4,4'-DDE	37	
60-57-1	Dieldrin	42	
72-20-8	Endrin	37	
33213-65-9	Endosulfan II	39	
72-54-8	4,4'-DDD	37	
50-29-3	4,4'-DDT	32	
7421-36-3	Endrin Aldehyde	41	
1031-07-8	Endosulfan Sulfate	5.2	U
72-43-5	Methoxychlor	77	
53494-70-5	Endrin Ketone	46	
8001-35-2	Toxaphene	260	U

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\214FAFSL.D\ECD1A.CH Vial: 8
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\214FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 1:49 am Operator: GDM
Sample : 9913657MSD Inst : SL2
Misc : 683-F3W1MSD Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 15:24 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID





030103

Signal #1 : O:\ORG\SVOA\ECD\SL2\06DEC99\214FAFSL.D\ECD1A.CH Vial: 8
Signal #2 : O:\ORG\SVOA\ECD\SL2\06DEC99\214FAFSL.D\ECD2B.CH
Acq On : 13 Dec 1999 1:49 am Operator: GDM
Sample : 9913657MSD Inst : SL2
Misc : 683-F3W1MSD Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 15:24 1999 Quant Results File: L120699X.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\L120699X.M (Chemstation Integrator
Title : 8081/82 REG W/CMIX EAL-M-8081A/8082-0
Last Update : Fri Dec 10 11:58:48 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1.0 uL
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53mm ID Signal #2 Info : 0.53mm ID

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.54	6.40	602182	641879	34.702m	33.044m
Spiked Amount 60.000 Range 30 - 150 Recovery =					57.84%	55.07%
22) S Decachlorobiphen	19.20	21.59	707011	833702	43.672	47.179
Spiked Amount 60.000 Range 30 - 150 Recovery =					72.79%	78.63%
Target Compounds						
2) A alpha-BHC	6.25	7.91	808238	918905	39.037m	38.308m
3) MA gamma-BHC	6.89	8.89	742290	847941	37.001m	36.693m
4) MA Heptachlor	8.41	9.94	656276	857804	35.534m	36.723m
MB Aldrin	9.24	10.87	582289	698639	35.574	35.264m
6) B beta-BHC	6.77f	9.09	447927	512856	41.826m	41.590m
7) B delta-BHC	7.37f	10.05	52223	57689	2.869m	2.753m
8) B Heptachlor Epoxi	10.23	12.43	682540	784018	41.526	40.481m
10) B gamma-Chlordane	10.84	13.01	618302	805529	36.707	39.886
11) B alpha-Chlordane	11.25	13.49	652925	789108	38.765	39.442
12) B 4,4'-DDE	11.77	14.22	1159417	1366865	71.339m	77.294
13) MA Dieldrin	11.89	14.51	1417393	1531593	80.850m	83.780
14) MA Endrin	12.51	15.46	1102173	1110794	70.787m	73.950
15) B Endosulfan II	12.77	15.92	1131265	1247719	74.847m	81.004
16) A 4,4'-DDD	12.95	15.75	963436	979545	70.265m	74.640
17) MA 4,4'-DDT	14.10	16.48	761183	867057	60.875	66.310
18) B Endrin Aldehyde	13.32	16.62	1027592	1059187	79.243	87.553
20) A Methoxychlor	15.63	18.11	1195620	1222415	147.414	169.702m
21) B Endrin Ketone	15.36	18.45f	1511640	1378935	89.259	99.778
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual in

E. Laboratory Logs

STL REPORT 991763 STL LABS GC/ECD-PESTICIDES SOIL 11/12/12

CLIENT	IT CORP	EXTRACTION CHEMIST	MS	EXTRACTION METHOD	SW 3550 SW 8081
BATCH #	P912121	CONCENTRATION CHEMIST	MS	CLEANUP METHOD#'S	3620 3640 3660 3665
SPIKED BY	MS	SURR SOLN	(0.6 ug/mL)	ANALYSIS METHOD#	EAL M 8081\8082.0
WITNESS:		PEST M S SOLN	(0.25,0.5,1.25 ug/mL)	EXT VIAL SOLVENT	CH2CL2/HEXANE
				SOLVENT LOT #	E00049
				FLORISIL LOT #	M38554
				HEXANE LOT#	E00047

STL NUMBER	CLIENT ID	FRACTION	MATRIX	INITIAL AMOUNT (30.0g)	SURR VOLUME	M S VOLUME	CLEAN UPS FLORISIL/ACID	CLEAN UPS DESULFER	METHOD FINAL VOL	GPC FINAL VOL	COMMENTS
PB912121	PB912121	PESTICIDES	Soil	30.0	1.0 mL	N/A	Florisil	Hg	10.0mL	N/A	
PL912121	PL912121	PESTICIDES	Soil	30.0	1.0 mL	2.0 mL					
9913654	683-F-H3-2	PESTICIDES	Soil	30.0	1.0 mL	N/A					
9913655	683-F-H3-1	PESTICIDES	Soil	30.0	1.0 mL						
9913656	683-H2W2	PESTICIDES	Soil	30.0	1.0 mL						
9913657	683-F3W1	PESTICIDES	Soil	30.0	1.0 mL						
9913657MS	683-F3W1	PESTICIDES	Soil	30.0	1.0 mL	2.0 mL					
9913657MSD	683-F3W1	PESTICIDES	Soil	30.0	1.0 mL	2.0 mL					
9913658	683-H3W2	PESTICIDES	Soil	30.0	1.0 mL	N/A					
9913659	683-F-G3A-1	PESTICIDES	Soil	30.0	1.0 mL						
9913660	683-F-G3A-2	PESTICIDES	Soil	30.0	1.0 mL						
									12/12/99 MS		

Additional Comments:

Were extraction holding times met? Y
Were the proper spikes used? Y
Is the final volume correct? Y
Was an MS/MSD extracted with this batch? Y
If not, was an LCS duplicate extracted? N/A

Were TCLP/DI WET extraction holding times met? N/A
Was a TMS extracted for each client? N/A
Was the extraction sheet reviewed for ID's/errors? Y
Have all associated memos/E-mail/NCRs been included? Y

TOTAL SAMPLES 11 CHECKED: 11/12/12/99 RECEIVED:

030117

Directory: o:\org\svoa\ecd\sl2\06dec99

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	000fafsl.d	1.	A5	A5	6 Dec 99 15:45
2	100	001fafsl.d	1.	A5	A5	6 Dec 99 16:17
3	100	002fafsl.d	1.	A5	A5	6 Dec 99 16:48
4	1	003fafsl.d	1.	S-9399	PEM	6 Dec 99 17:20
5	2	004fafsl.d	1.	S-9508	AR1221 MIX[L2,S]	6 Dec 99 17:51
6	3	005fafsl.d	1.	S-9507	AR1232 MIX[L3,S]	6 Dec 99 18:22
7	4	006fafsl.d	1.	S-9510	AR1242 MIX[L4,S]	6 Dec 99 18:53
8	5	007fafsl.d	1.	S-9512	AR1248 MIX[L5,S]	6 Dec 99 19:24
9	6	008fafsl.d	1.	S-9401	AR1254 MIX[L6,S]	6 Dec 99 19:56
10	7	009fafsl.d	1	S-9513	TOXAPH MIX[L8,S]	6 Dec 99 20:27
11	8	010fafsl.d	1.	S-9407	CHLOR MIX[L9,S]	6 Dec 99 20:59
12	9	011fafsl.d	1.	S-9353	AR1660 CONC1 MIX[L1,L7,S]	6 Dec 99 21:31
13	10	012fafsl.d	1.	S-9354	AR1660 CONC2 MIX[L1,L7,S]	6 Dec 99 22:03
14	11	013fafsl.d	1.	S-9355	AR1660 CONC3 MIX[L1,L7,S]	6 Dec 99 22:34
15	12	014fafsl.d	1.	S-9356	AR1660 CONC4 MIX[L1,L7,S]	6 Dec 99 23:06
16	13	015fafsl.d	1.	S-9357	AR1660 CONC5 MIX[L1,L7,S]	6 Dec 99 23:38
17	14	016fafsl.d	1.	S-9425	INDB CONC1 MIX[B,S]	7 Dec 99 00:09
18	15	017fafsl.d	1.	S-9426	INDB CONC2 MIX[B,S]	7 Dec 99 00:41
19	16	018fafsl.d	1.	S-9427	INDB CONC3 MIX[B,S]	7 Dec 99 01:12
20	17	019fafsl.d	1.	S-9428	INDB CONC4 MIX[B,S]	7 Dec 99 01:43
21	18	020fafsl.d	1.	S-9429	INDB CONC5 MIX[B,S]	7 Dec 99 02:15
22	19	021fafsl.d	1.	S-9419	INDA CONC1 MIX[A,S]	7 Dec 99 02:46
23	20	022fafsl.d	1.	S-9420	INDA CONC2 MIX[A,S]	7 Dec 99 03:17
24	21	023fafsl.d	1.	S-9421	INDA CONC3 MIX[A,S]	7 Dec 99 03:49
25	22	024fafsl.d	1.	S-9422	INDA CONC4 MIX[A,S]	7 Dec 99 04:21
26	23	025fafsl.d	1.	S-9423	INDA CONC5 MIX[A,S]	7 Dec 99 04:52
27	24	026fafsl.d	1.	S-9363	AR1660 CONC3 MIX[L1,L7,S]	7 Dec 99 05:24
28	25	027fafsl.d	1.	S-9308	INDB CONC3 MIX[B,S]	7 Dec 99 05:55
29	26	028fafsl.d	1.	S-9349	INDA CONC3 MIX[A,S]	7 Dec 99 06:27
30	27	029fafsl.d	1.	S-9399	PEM	7 Dec 99 06:59
31	28	030fafsl.d	1.	PB911262	PB911262	7 Dec 99 07:31
32	29	031fafsl.d	1.	PL911262	PL911262	7 Dec 99 08:02
[illegible]	30	032fafsl.d	1.	AL911262	AL911262	7 Dec 99 08:33
3[illegible]	31	033fafsl.d	1.	9911642RE	CL99FHF-16	7 Dec 99 09:05
35	32	034fafsl.d	1.	9911643RE	CL99FHE-11	7 Dec 99 09:37
36	33	035fafsl.d	1.	9911644RE	CL99FHE-12	7 Dec 99 10:09
37	34	036fafsl.d	1.	9911645RE	CL99FHE-13	7 Dec 99 10:40
38	35	037fafsl.d	1.	9911646RE	CL99FHE-14	7 Dec 99 11:11
39	36	038fafsl.d	1.	9911647RE	CL99FHE-15	7 Dec 99 11:43
40	37	039fafsl.d	1.	9911648RE	CL99FHE-16	7 Dec 99 12:14
41	38	040fafsl.d	1.	9911649RE	CL99FHF-09	7 Dec 99 12:45
42	39	041fafsl.d	1.	9911650RE	CL99FHF-10	7 Dec 99 13:17
43	40	042fafsl.d	1.	9911651RE	CL99FHF-11	7 Dec 99 13:49
44	41	043fafsl.d	1.	9911652RE	CL99FHF-12	7 Dec 99 14:20
45	42	044fafsl.d	1.	9911653RE	CL99FHF-13	7 Dec 99 14:51
46	43	045fafsl.d	1.	9911644REMS	CL99FHE-12REMS	7 Dec 99 15:22
47	44	046fafsl.d	1.	9911644REMSD	CL99FHE-12REMSD	7 Dec 99 15:54
48	45	047fafsl.d	1.	9911644REAMS	CL99FHE-12REAMS	7 Dec 99 16:26
49	46	048fafsl.d	1.	9911644REAMSD	CL99FHE-12REAMSD	7 Dec 99 16:57
50	47	049fafsl.d	1.	SOLVENT	HEXANE	7 Dec 99 17:29
51	48	050fafsl.d	1.	SOLVENT	HEXANE	7 Dec 99 18:03
52	48	051fafsl.d	1.	SOLVENT	HEXANE	7 Dec 99 18:34
53	49	052fafsl.d	1.	S-9363	AR1660 CONC3 MIX[L1,L7,S]	7 Dec 99 19:06
54	50	053fafsl.d	1.	S-9308	INDB CONC3 MIX[B,S]	7 Dec 99 19:38
55	51	054fafsl.d	1.	S-9349	INDA CONC3 MIX[A,S]	7 Dec 99 20:10
56	52	055fafsl.d	1.	S-9399	PEM	7 Dec 99 20:41
57	52	056fafsl.d	1.	S-9544	PEM	7 Dec 99 23:08
58	49	057fafsl.d	1.	S-9566	AR1660 CONC3 MIX[L1,L7,S]	7 Dec 99 23:40
59	50	058fafsl.d	1.	S-9545	INDB CONC3 MIX[B,S]	8 Dec 99 00:11
60	51	059fafsl.d	1.	S-9501	INDA CONC3 MIX[A,S]	8 Dec 99 00:42
61	53	060fafsl.d	1.	PB911261	PB911261	8 Dec 99 01:13
[illegible]	54	061fafsl.d	1.	PL911261	PL911261	8 Dec 99 01:45
6[illegible]	55	062fafsl.d	1.	AL911261	AL911261	8 Dec 99 02:17

Directory: o:\org\svoa\ecd\sl2\06dec99

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
190	100	189fafsl.d	1.	A5	A5	12 Dec 99 12:38
191	100	190fafsl.d	1.	A5	A5	12 Dec 99 13:10
[illegible]	41	191fafsl.d	1.	S-9544	PEM	12 Dec 99 13:42
[illegible]	38	192fafsl.d	1.	S-9566	AR1660 CONC3 MIX[L1,L7,S]	12 Dec 99 14:13
194	39	193fafsl.d	1.	S-9545	INDB CONC3 MIX[B,S]	12 Dec 99 14:45
195	40	194fafsl.d	1.	S-9501	INDA CONC3 MIX[A,S]	12 Dec 99 15:17
196	42	195fafsl.d	1.	9912720	LW11-CD	12 Dec 99 15:49
197	43	196fafsl.d	1.	9912721	LW13-C	12 Dec 99 16:21
198	44	197fafsl.d	1.	9912722	LW16-C	12 Dec 99 16:52
199	45	198fafsl.d	1.	9912723	LW17-C	12 Dec 99 17:24
200	46	199fafsl.d	1	9912724	LW18-C	12 Dec 99 17:56
201	47	200fafsl.d	1	SOLVENT	SOLVENT	12 Dec 99 18:28
202	48	201fafsl.d	1.	SOLVENT	SOLVENT	12 Dec 99 18:59
203	49	202fafsl.d	1.	SOLVENT	SOLVENT	12 Dec 99 19:31
204	50	203fafsl.d	1.	S-9566	✓AR1660 CONC3 MIX[L1,L7,S]	12 Dec 99 20:02
205	51	204fafsl.d	1.	S-9545	✓INDB CONC3 MIX[B,S]	12 Dec 99 20:34
206	52	205fafsl.d	1.	S-9501	✓INDA CONC3 MIX[A,S]	12 Dec 99 21:06
207	53	206fafsl.d	1.	S-9544	✓PEM	12 Dec 99 21:37
208	1	207fafsl.d	1.	PB912121	PB912121	12 Dec 99 22:08
209	2	208fafsl.d	1.	PL912121	PL912121	12 Dec 99 22:40
210	3	209fafsl.d	1.	9913654	683-F-H3-2	12 Dec 99 23:11
211	4	210fafsl.d	1.	9913655	683-F-H3-1	12 Dec 99 23:42
212	5	211fafsl.d	1.	9913656	683-H2W2	13 Dec 99 00:14
213	6	212fafsl.d	1.	9913657	683-F3W1	13 Dec 99 00:46
214	7	213fafsl.d	1.	9913657MS	683-F3W1MS	13 Dec 99 01:18
215	8	214fafsl.d	1.	9913657MSD	683-F3W1MSD	13 Dec 99 01:49
216	9	215fafsl.d	1.	9913658	683-H3W2	13 Dec 99 02:21
217	10	216fafsl.d	1.	9913659	683-F-G3A-1	13 Dec 99 02:53
218	11	217fafsl.d	1.	9913660	683-F-G3A-2	13 Dec 99 03:25
219	12	218fafsl.d	1.	SOLVENT	SOLVENT	13 Dec 99 03:56
220	13	219fafsl.d	1.	SOLVENT	SOLVENT	13 Dec 99 04:28
[illegible]	14	220fafsl.d	1.	SOLVENT	SOLVENT	13 Dec 99 05:00
[illegible]	15	221fafsl.d	1.	S-9566	✓AR1660 CONC3 MIX[L1,L7,S]	13 Dec 99 05:32
223	16	222fafsl.d	1.	S-9545	✓INDB CONC3 MIX[B,S]	13 Dec 99 06:04
224	17	223fafsl.d	1.	S-9501	✓INDA CONC3 MIX[A,S]	13 Dec 99 06:35
225	18	224fafsl.d	1.	S-9544	✓PEM	13 Dec 99 07:07
226	19	225fafsl.d	1.	PB912072	PB912072	13 Dec 99 08:34
227	99	226fafsl.d	1.	9913656X2	683-H2W2DL	13 Dec 99 09:12
228	100	227fafsl.d	1.	9913659X20	683-F-G3A-1DL	13 Dec 99 09:43
229	20	228fafsl.d	1.	AL912072	AL912072	13 Dec 99 10:15
230	21	229fafsl.d	1.	AD912072	AD912072	13 Dec 99 10:46
231	34	230fafsl.d	1.	SOLVENT	HEXANE	13 Dec 99 11:23
232	35	231fafsl.d	1.	SOLVENT	HEXANE	13 Dec 99 11:55
233	36	232fafsl.d	1.	S-9566	✓AR1660 CONC3 MIX[L1,L7,S]	13 Dec 99 12:27
234	37	233fafsl.d	1.	S-9545	✓INDB CONC3 MIX[B,S]	13 Dec 99 12:59
235	38	234fafsl.d	1.	S-9501	✓INDA CONC3 MIX[A,S]	13 Dec 99 13:30

DISH #	SAMPLE	DISH WEIGH	WET WEIGHT	DRY WEIGHT	WET SAMPLE	DRY SAMPLE	%SOLIDS	%MOISTURE	FILE	ANALYST
2	9913654	1.30	6.83	5.43	5.53	4.13	74.68	25.32	TS121299	RDL
3	9913655	1.29	6.74	4.61	5.45	3.32	60.92	39.08	TS121299	RDL
4	9913656	1.29	6.98	5.64	5.69	4.35	76.45	23.55	TS121299	RDL
5	9913657	1.29	9.35	6.44	8.06	5.15	63.90	36.10	TS121299	RDL
6	9913658	1.30	6.60	4.48	5.30	3.18	60.00	40.00	TS121299	RDL
7	9913659	1.29	6.73	4.78	5.44	3.49	64.15	35.85	TS121299	RDL
8	9913660	1.29	6.65	5.32	5.36	4.03	75.19	24.81	TS121299	RDL

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-9562	Pesticide Surrogate	S-9561	200ug/ml	0.6mL	200mL	0.6ug/ml	MeOH UNION	11/15/99	5/15/00		JH
S-9563	Pest Surr Tissue	S-9561	↓	150ul	250mL	0.12ug/ml	Acetone UNION	11/16/99	5/18/00		JH
S9564	Pest M.S. Tissue	S 9539	.25/.5/1.25 ug/ml	10mL	50mL	.005/0.1/ 0.25ug/ml	MeOH UNION	↓	↓		↓
S9565	PCB M.S. Tissue	S-9537	5.0ug/ml	10mL	50mL	1.0ug/ml	Acetone UNION	↓	↓		↓
S-9566	Aroclor 1660 ICV	S-9333	1000 ug/ml	40ul	100ml	0.4 ug/ml	Hex/994610	11/18/99	4/21/00		JC
	tcx/dcb	S-9503	10 ug/ml	200ul	↓	0.02 ug/ml	↓	↓	↓		JC

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9550	C28	Sigma 83H0685	99%	.05g	25mL	2000ug/mL	MeCl2/BU602	110999	050900		[illegible]
S-9551	Diesel ICV	Ultra P-0852 PCO-611	5000ug/mL	2.5mL	25mL	500ug/mL	MeCl2/BU602	↓	↓		↓
	C28	S-9550	2000ug/mL	1.25mL	↓	100ug/mL	↓	↓	↓		↓
S-9552	C44 Stock	Chemserve 219-97A	98%	.0025g	25mL	100ug/mL	MeCl2/BU602	110999	050999		[illegible]
S9553	Pesticide Surr.	S-9413	200ug/mL	0.3mL	100mL	0.6ug/mL	MeOH [illegible]	11-9-99	5-1-00		JH
S-9554	2-Nitroaniline GC-Explosive Surr	T-2023	5110µg/mL	78µL	10mL	40µg/mL	Acetonitrile Bt.d BP973	11/9/99	10/4/00		WEA
S-9555	2a-4,6-DNT	S-9263	1000µg/mL	2µL	10mL	0.2µg/mL	↓	11/10/99	5/5/2000		WEA
↓	4a-2,6-DNT	S-9264	WEA	2µL	↓	0.2µg/mL	↓	↓	↓		↓
↓	RDX	S-9265	↓	10µL	↓	1.0µg/mL	↓	↓	↓		↓
↓	HMX	S-9266	↓	75µL	↓	7.5µg/mL	↓	↓	↓		↓
↓	Tetryl	S-9264	↓	50µL	↓	5.0µg/mL	↓	↓	↓		↓
S-9556	Nitroamines Conc 1	S-9555	0.2 1.0 7.5 5.0 ug/ml	10uL	1.0 ~~100ml~~	.02 0.10 0.75 0.5 ug/L	Isoamyl acetate 99% anhydrous	11/12/99			[illegible]
↓	↓	S-9554	40 ug/ml	10uL	1.0 ~~100~~ml	4.0ug/L	Aldrich 00852AR	↓			↓
S-9557	Nitroamines Conc 2	S-9555	See above	20uL	1.0ml	0.04 1.5 0.20 1.0 ug/L	↓	↓			↓
↓	↓	S-9554	↓	20uL	↓	8.0ug/L	↓	↓			↓
S-9558	Nitroamines Conc 3	S-9555	↓	40uL	↓	0.08 3.0 0.40 2.0 ug/L	↓	↓			↓
↓	↓	S-9554	↓	40uL	↓	16ug/L	↓	↓			↓
S-9559	Nitroamines Conc 4	S-9555	↓	80uL	↓	0.16 6.0 0.80 4.0 ug/L	↓	↓			↓
↓	↓	S-9554	↓	60uL	↓	24ug/L	↓	↓			↓
S-9560	Nitroamines Conc 5	S-9555	↓	160uL	↓	0.32 12 1.6 8 ug/L	↓	↓			↓
↓	↓	S-9554	↓	80uL	↓	32ug/L	↓	↓			↓
S-9561	Pesticide Stock Surrogate	Restek A013428	200ug/mL	—	—	—	acetone	Tecno 11/15/99	3/02		[illegible]

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9534	TCX/dCB	S-9503	10ug/ml	16 ul	1 ml	0.16 ug/ml	HEX/994610	10/27/99	10/30/99		JS
S-9535	8141 OPAN M.S	S-8858	1000 ug/ml	0.5 mL	50 mL	10 ug/ml	MeOH UN1230	10/28/99	12/30/99		JH
S-9536	Pesticide Surrogate	S-9413	200 ug/ml	0.6 mL	200 mL	0.6 ug/ml	MeOH UN1230	11-02-99	5-02-00		JH
S-9537	PCB Matrix Spike	S-9538	1000 ug/ml	1.0 mL	200 mL	5.0 ug/ml	Acetone UN1090	11-2-99	5-2-00		↓
S-9538	1016/1260 stock	Restek A009843	1000 ug/ml	—	—	—	hexane	11-02-99	10-00		JH
S-9539	AFCE Pest M.S.	S-9489	25/50/125 ug/ml	2.0 mL	200 mL	0.25/0.5/1.25 ug/ml	MeOH UN1230	11-2-99	5-2-00		↓
S-9540	Pentachloroanisole	Restek A012043	1000 ug/ml	—	—	—	—	11/3/99	9/30/00		JG
S-9541	Picloram m.e.	Restek A013020	1000 ug/ml	—	—	—	—	11/3/99	1/31/01		JC
S-9542	Herbicide Std										
	Herb Mix	S-9306	10-10,000 ug/ml	1 ml	10 ml	1-1000 ug/ml	Hex/994610	11/3/99	5/3/00		
	DCAA	S-9403	100 ug/ml	1 ml	↓	10 ug/ml	↓	↓	↓		
	Picloram	S-9541	1000 ug/ml	100 ul	↓	10 ug/ml	↓	↓	↓		
	PCP	S-9540	↓	10 ul	↓	1 ug/ml	↓	↓	↓		
S-9543	SALT H2O Congener MDL Spike	S-9481	0.08 ug/ml	0.625 mL	50 mL	0.001 ug/ml	MeOH UN1230	11-4-99	3-30-00		JH
S-9544	PEM Working	S-9483	1-25 ug/ml	1 ml	100 ml	0.01-0.25 ug/ml	Hex/994610	11/4/99	5/4/00		JC
S-9545	B Mix ICV	S-9440	8-16 ug/ml	500 ul	100 ml	0.04-0.08 ug/ml	Hex/994610	↓	↓		↓
S-9546	Cong MDL Spk Sediment	S-9481	0.08 ug/ml	1.25 mL	10 mL	0.01 ug/ml	MeOH UN1230	11/5/99	3-3-00		J
S-9547	Herbicide M.S.	S-9061	1000 ug/ml	400 mL	25.0 mL	16 ug/ml	MeOH UN1230	11/6/99	2-00		
↓	↓	S-9062	100 ug/ml	↓	↓	1.6 ug/ml	↓	↓	↓		
↓	↓	S-9174	10-10,000 ug/ml	4.0 mL	↓	1.6-1600 ug/ml	↓	↓	↓		↓
~~S-9548~~	~~C44 stock~~	~~Chemserve 319-91A~~	~~9890~~	~~.029~~	~~10 mL~~	~~2000 ug/ml~~	~~MeCl2/Benzene~~	~~110999~~	~~050900~~		JG
~~S-9549~~	~~C44~~	~~S-9548~~	~~2000 ug/ml~~	~~250 ul~~	↓	~~50 ug/ml~~	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date
S-9517	HOH Dimp/Dimmp Con 1	S-9185	50 µg/ml	10 uL	2 mL ~~50 mL~~	0.25 ug/ml	MeCl2 W...	[illegible]	10/25/99	
~~S-9518~~ S-9518	9185 SF 10/26/99 2			20 uL	gpm 10/26/99	0.5				
S-9519	3			40 uL		1.0				
S-9520	4			80 uL		2.0				
S-9521	5			160 uL		4.0				
S-9522	6			320 uL		8.0				
S-9523	Soil Dimp/~~Dimmp~~ Con 1			10 uL	2 mL ~~25 mL~~ gpm 10/26/99	0.25 ug/ml		10/21/99	10/28/99	
S-9524	2			20 uL		0.5				
S-9525	3			40 uL		1.0				
S-9526	4			80 uL		2.0				
S-9527	5			160 uL		4.0				
S-9528	6			320 uL		8.0				
S-9529	Aroclor 1660 Con 1	S-8979	1000 ug/ml	10 ul	100 ml/s	0.1 ug/ml	Hex. / 994610	10/26/99	4/21/00	
	tcx/dcb	S-9503	10	50 ul		0.005				
S-9530	Aroclor 1660 Con 2	S-8979	1000	20 ul		0.2				
	tcx/dcb	S-9503	10	100 ul		0.01				
S-9531	Aroclor 1660 Con 3	S-8979	1000	40 ul		0.4				
	tcx/dcb	S-9503	10	200 ul		0.02				
S-9532	Aroclor 1660 Con 4	S-8979	1000	100 ul		1.0				
	tcx/dcb	S-9503	10	500 ul		0.05				
S-9533	Aroclor 1660 Con 5	S-8979	1000	200 ul		2.0				
	tcx/dcb	S-9503	10	1000 ul		0.1				

Reviewed by: [signature] Date: 10/

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date
S-9486	8141 OPRst Surrogate	S-9487	500ug/ml	4.0ml	100mL	20ug/ml	MeOH [illegible]	[illegible]	10-31-99	
↓	↓	S-9450	2000ug/ml	1.0mL	↓	↓	↓	↓	↓	
S-9487	Triphenylphosphate	Chemsen 209-30B	500ug/ml	—	—	—	isoactone	[illegible]	10-99	
S-9488	OPPest M.S.	S-8858	1000ug/ml	0.5ml	50ml	10ug/ml	MeOH UN1230	10/4/99	12/99	
S-9489	AFCEE Pest MS. Stock	Restek A014654	25-125 ug/ml	—	—	—	MeOH	rec'd 9/99	9-04	
S-9490	AFCEE Pest MS	S-9489	25/50/150ug/ml	2.0mL	200mL	0.25/0.5/1.25 ug/ml	MeOH UN1230	10-5-99	4-5-00	
S-9491	Pest CLP Surr	S-9413	200ug/ml	0.2mL ~~0.1mL~~	200ml ~~100mL~~	0.2ug/ml	↓	↓	↓	
S-9492	Aroclor 1660 ICV	S-9333	1000ug/ml	40ul	100ml	0.4ug/ml	Hex. / BV978	10/5/99	2/2/00	
	tex/acb	S-9379	10ug/ml	200ul	↓	0.02ug/ml	↓	↓	↓	
S-9493	Pesticide Surrogate	S-9413	200ug/ml	0.6mL	200mL	0.6ug/ml	MeOH UN1230	10-8-99	4-8-00	
S-9494	PCB Cong. Surrogate	S-7789	200ug/ml	100ml	250mL	0.08ug/ml	Acetone BV516	10-11-99	4-11-00	
S-9495	Bay Sed OP Pest	S-9475	200ug/ml	1.25ml	10ml	25ug/ml	Hex. / BV978	10/11/99	4/11/00	
		S-9476	1000ug/ml	0.25ml	↓	↓	↓	↓	↓	
S-9496	Triphenyl phosphate mix	Chemsen 227-43A	500ug/ml	10mL	—	—	isoactone	opened 10-15-99	11-00	
S-9497	Tributyl phosphate mix	Chemsen 231-113A	2000ug/ml	10mL	—	—	acetone	opened 10-15-99	02-01	
S-9498	8141 OP/Pest Surr.	S-9496	500ug/ml	4.0mL	100mL	20ug/ml	MeOH UN273	10-15-99	4-15-00	
		S-9497	2000ug/ml	1.0mL	↓	↓	↓	↓	↓	
S-9499	8141 Std 8141 mix	S-9317	200ug/ml	1.25ml	10ml	25ug/ml	Hex / BV978	10/15/99	10/31/99	
	Malathion	S-~~9321~~ 9318	1000ug/ml	~~0.25ml~~ 2.5	↓	↓	↓	↓	↓	
	8141 Surr. Mix	S-9476	1000ug/ml	0.25ml	↓	↓	↓	↓	↓	
S-9500	Pesticide Surrogate	S-9413	200ug/mL	0.60mL	200mL	.60ug/mL	Acetone BV516	10-18-99	4-18-99	
S-9501	Pest Mix A ICV	S-9179	8-80ug/ml	0.5ml	100ml	0.04-0.4ug/ml	Hex / BV978	10/19/99	4/19/99	

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	In
S-9477	Bay Sed optest curve	S-9475	200 ug/ml	~~1.0 ml~~ 0.5 ml	4 ml	25.0 ug/ml	Hex / B49774	9/27/99	3/27/2000		
	↓	S-9476	1000 ug/ml	100 ~~200~~ ul	↓	↓	↓	↓	↓		
S-9478	Cong. Std.										
	Cong Mix	S-9473	0.200 ug/ml	16 ul	10 ml	0.32 ug/ml	Hex. / 994072	9/27/99	3/27/00		
	BZ-Supp.	S-9467 → S-9472	100 ug/ml	32 ul	↓	↓	↓	↓	↓		
	TCX	S-7789	200 ug/ml	16 ul	↓	↓	↓	↓	↓		
S-9479	Con Std										
	Cong Mix	S-9473	0.20 ug/ml	1.6 ml	10 ml	0.032 ug/ml	Hex. / 994072	9/27/99	3/27/00		
	B-Z Supplements	S-9467 → S-9472	100 ug/ml	3.2 ul	↓	↓	↓	↓	↓		
	TCX	S-7789	200 ug/ml	1.6 ul	↓	↓	↓	↓	↓		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	I
S-9461	BZ-169	Em Science A9040249	100 ug/ml	NA	NA	NA	NA	9/24/99	10/1/00		
S-9462	BZ-184	Em Science A8080218									
S-9463	BZ-183	Em Science A7080246									
S-9464	BZ-156	Em Science A8090134									
S-9465	Congen Mix	Em Science A7060525									
S-9466	Congener Std.										
	Congener Mix	S-9465	100 ug/ml	32 ul	10 ml	0.32 ug/ml	Hex. / 994072		3/24/00		
	BZ Supplements	S-9459 & S-9464									
	TCX	S-~~9379~~ 7789	200 ug/m	16 ul							
S-9467	BZ-87	Ultra Scientific L-564A	100 ug/ml	NA	NA	NA	NA		5/30/02		
S-9468	BZ-183	Ultra L-229B							12/01/02		
S-9469	BZ-49	Ultra L-510A							5/30/02		
S-9470	BZ-169	Ultra M-0793							6/30/02		
S-9471	BZ-184	Ultra K-0844							1/31/04		
S-9472	BZ-156	Ultra M-1775							1/31/03		
S-9473	Cong. Mix	Ultra M-1222	0.200 ug/ml						9/30/02		
S-9474	Cong Std						Hex / 994072		3/24/00		
	Cong Mix	S-9473	200 ug/ml	32 ul		0.64 ug/ml					
	BZ-Supp.	S-9467 → S-9472	100 ug/ml			0.32					
	TCX	S-7789	200 ug/ml	16 ul							
S-9475	Bay Sed Oppest Mix - ULTRA #SPM-614	Lot# M-1616	200 ug/ml	1 ml					12/2000		
S-9476	Oppest Surr ULTRA #KM-5701	Lot# L-122B	1000 ug/ml	1 ml					12/2000		

Reviewed by: [signature] Date: 9/27/99

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-9440	PEST B3 ICV Stock	Restek A013644	8-16 ug/mL	—	—	—	HEX [illegible]	[illegible]	[illegible] 03		RM
S-9441	PEST B3 ICV	S-9440	8-16 ug/mL	500 ul	100 mL	0.04-0.08 ug/mL	HEX 994022	9-10-99	3-10-00		RM
S-9442	Diesel Stock	S-8779	Neat	~~1.25g~~ 15	~~25mL~~ 10	50,000 ug/mL	Toluene	091199	031199		[illegible]
S-9443	Diesel MS	S-9442	80,000 ug/mL	5mL	100mL	2500 ug/mL	80:20 Ace/Mech	↓	↓		↓
S-9444	Stockton MS	↓	↓	1mL	↓	500 ug/mL	↓	↓	↓		↓
S-9445	Ar 1221	Restek A008324	1000PPM	—	—	—	—	9/13/99	2/2000		TJ
S-9446	Ar 1221	S-9445	↓	20ul	100ml	0.2mg/ml	Fisher HEXANE/H207-4	↓	3/2000		TJ
S-9447	TOXAPHENE	Restek A008212	1000PPM	—	—	—	—	9/13/99	6/2000		↓
S-9448	Toxaphene	S-9447	↓	200ul	100ml	0.5mg/ml	Fisher HEXANE/H207-4	↓	3/2000		↓
S-9449	Triphenylphosphate	Chem Serv 227-43A	500ug/mL	—	—	—	t-butylmethyl ether	opened 9-13-99	11-00		J
S-9450	Tributylphosphate	Chem Serv 231-113A	2000ug/mL	—	—	—	acetone	↓	2/01		↓
S-9451	8141 ~~MS~~ Surrogate M.S.	S8858	1000ug/mL	0.50 ~~0.25mL~~	50mL ~~25mL~~	10ug/mL	MeOH UN1230	9-13-99	12-99		J
S-9452	Diesel MM	S-9366	2000/400 ug/mL	6.25mL	25mL	500/100 ug/mL	MeCl/BU602	091499	012400		[illegible]
S-9453	Pesticide Surrogate	S-9413	200ug/mL	0.6mL	200mL	0.6ug/mL	acetone BU516	9-16-99	3-16-00		J
S-9454	OP Pest 8141 Surr	S-9449	500ug/mL	4.0mL	100mL	20ug/mL	MeOH N10273	9-18-99	3-18-00		J
↓	↓	S-9450	2000ug/mL	1.0mL	↓	↓	↓	↓	↓		↓
S-9455	Chlordane Stock	Restek A013176	1000ug/mL	—	—	—	hexane	9-21-99	6-03		J
S-9456	Chlordane MDL Spike	S-9455	↓	50ul	50mL	1.0ug/mL	acetone BU516	↓	3-21-00		J
S-9457	Pesticide Surrogate	S-9413	200ug/mL	0.6mL	200mL	0.6ug/mL	acetone BU516	9-23-99	3-23-00		J
S-9458	C28 Surr.	Sigma 83H0685	99%	250mg	500ml	500ug/mL	80:20 Ace/Mech BU123/BU660	9/23/99	3/23/00		[illegible]
S-9459	BZ-87	EM Science A2030342	100 ug/mL	—	—	—	—	9/24/99	10/1/00		[illegible]
S-9460	BZ-49	EM Science A5020149	100 ug/mL	—	—	—	—	↓	10/1/00		[illegible]

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9421	A Mix Con 3	S-9416	50-100ug/ml	0.08ml	100ml	0.04-0.4ug/ml	[illegible]	[illegible]	2/1/2000		JS
S-9422	4			0.12		0.06-0.6ug/ml					
S-9423	5			0.16		0.08-0.8					
S-9424	B Mix Con 6	S-9425 (9/1/99)	0.065-0.01 ~~50-100ug/ml~~	25ml	50ml	0.0025-0.0[illegible] ug/ml					
S-9425	1	S-9417	50-100ug/ml	0.01	100ml	0.005-0.01					
S-9426	2			0.04		0.02-0.04					
S-9427	3			0.08		0.04-0.08					
S-9428	4			0.12		0.06-0.12					
S-9429	5			0.16		0.08-0.16					
S-9430	EDB/DBCP Con 1	S-9311	.4 ug/mL	3uL	35mL	34.3 mg/uL	DI water	090299	090399		[illegible]
S-9431	2			5uL		57.1					
S-9432	3			10uL		114					
S-9433	4			15uL		171					
S-9434	5			25uL		286					
S-9435	Pest CLP Surr	S-9413	200ug/ml	0.2mL	200mL	0.2ug/ml	acetone [illegible]	9-4-99	3-4-00		JN
S-9436	Florisil Cart Chk	RU396	20ug/ml	0.5mL	100mL	0.1ug/ml	Gretan BV516	9-6-99	3-6-00		JI
S-9437	Chlorbenside Stock	S-8841	Neat	100mg	25ml	4000 ug/ml	Acetone BV516	9-7-99	3-7-99		[illegible]
S-9438	Chlorbenside Working	S-9437	4000 ug/ml	250ul	10ml	100 ug/ml	Hex 994072				
S-9439	Cmix Con 5 ug/ml	S-9379	10 ug/ml	800ul	100ml	80 ng/ml			2-2-00		
	Mirex	S-9380	100 ug/ml	160ul		160 ng/ml					
	Chlorbenside	S-9438									
	DCPA	S-8839									

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9406	Herb Std							[illegible]	2/18/00		[illegible]
	Herb Mix	S-9405	10-10000 ug/ml	1 ml	10 ml	1-1000 ug/ml	Hex	↓	↓		↓
	Picloram	S-9030	100 ug/ml	1 ml	↓	10.0	↓	↓	↓		↓
	PCP	S-9031	100 ug/ml	100 ul	↓	10	↓	↓	↓		↓
	DCAA	S-9032	2000 ug/ml	50 ul	↓	10.0	↓	↓	↓		↓
S-9407	Chlordane (conc 1)	S-~~8021~~ 9410	1000 ug/ml	10 ul	100 ml	0.1 ug/ml	HEX	8/18/99	2/18/00		RM
↓	TCX / DCB	S-~~8240~~ 9379	10 ug/ml	50 ul	100 ml	0.005 ug/ml	HEX	8/18/99	2/18/00		RM
S-9408	Chlordane (conc 3)	S-~~8021~~ 9410 RMC 8/18/99	1000 ug/ml	40 ul	100 ml	0.4 ug/ml	HEX	8/18/99	2/18/00		RM
↓	TCX / DCB	S-~~8240~~ 9379	10 ug/ml	200 ul	100 ml	0.02 ug/ml	HEX	8/18/99	2/18/00		RM
S-9409	Chlordane (conc 5)	S-~~8021~~ 9410	1000 ug/ml	200 ul	100 ml	2.0 ug/ml	HEX	8/18/99	2/18/00		RM
↓	TCX / DCB	S-~~8240~~ 9379	10 ug/ml	1000 ul	100 ml	0.1 ug/ml	HEX	8/18/99	2/18/00		RM
S-9410	Chlordane Stock	Restek Lot # A013176	1000 ug/ml	—	—	1000 ug/ml	HEX	8/18/99	6-03		RM
S-9411	AFCEE Pest M.S. Stock	NSI Q2130-02	25/50/125 ug/ml	30 mL	—	—	MeOH	8/18/99	2-00		JH
S-9412	AFCEE Pest M.S.	S-9411	↓	2.0 mL	200 mL	0.25/0.5/1.25 ug/ml	MeOH N10273	8-18-99	2-18-00		JH
S-9413	Pest Surrogate Stock	Restek A013427	200 ug/mL	.5 mL	—	—	acetone	rec'd 8-27-99	3-02		JI
S-9414	Pesticide Surrogate	S-9413	↓	0.6 mL	200 mL	0.6 ug/ml	acetone BV516	8-31-99	2-31-00		↓
S-9415	PCB Matrix Spike	S-9333	1000 ug/ml	1.0 mL	↓	5.0 ug/ml	↓	↓	↓		↓
S-9416	Custom Pest MixA	Supelco LA81855	50-500 ug/ml	-	-	-	-	09/01/99	02/01/2000		[illegible]
S-9417	Custom Pest MixB	Supelco LA81856	50-100 ug/ml	-	-	-	-	↓	↓		↓
S-9418	A Mix Con 6	S-9420	0.02-0.2 ug/ml	10 ml	100 ml	0.002-0.02 ug/ml	Mallinckrodt HEXANE/H4 8	09/01/99	02/01/2000		
S-9419	1	S-9416	50-500 ug/ml ~~0.005-0.05~~ 9/1/99	0.01 ml	↓	0.005-0.05 ug/ml	↓	↓	↓		
S-9420	2	S-9416	↓	0.04 ml	↓	0.02-0.2 ug/ml	↓	↓	↓		

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S-9398	PEM stock	Restek A011489	1-25ug/ml	—	—	—	—	8/16/99	6/01		TJ
S-9399	PEM working	S-9398	↓	1ml	100ml	0.01-0.25ug/ml	Mallinckrodt Hexane/[illegible]	[illegible]	2/16/00		TJ
S-9400	Aroclor 1254 Stock	Restek A008327	1000 ug/ml	—	—	1000 ug/ml		—	2/2000		JCA
S-9401	Aroclor 1254 Working	S-9400	1000 ug/ml	10 ul	100ml	0.1 ug/ml	Hex.	8/16/99	↓		↓
	tex-dcb	S-9379	10 ug/ml	200 ul	↓	0.02 ug/ml		↓	↓		↓
S-9402	PI Blank	S-9379	↓	200 ul	↓	↓		↓	4/2/2000		↓
S-9403	DCAA Methyly Ester	Ultra Scientific lot# M1033	100 ug/ml	—	2ml	—	—	8/16/99	8/31/01		↓
S-9404	Methyl. Herb Std										↓
S-9404	DCAA	S-9403	100 ug/ml	1ml	10ml	10 ug/ml		8/16/99	10/31/99		↓
	Herb mix	S-9306	10-10,000 ug/ml	1ml	↓	1-1000 ug/ml		↓	↓		↓
	PCP	S-8904	100 ug/ml	100 ul	↓	1 ug/ml		↓	↓		↓
	Picloram	S-8650	1000 ug/ml	100 ul	↓	10 ug/ml		↓	↓		↓
S-9405	Methylated Herb Mix	Ultra Scientific P-0949									
	2,4-D		100 ug/ml	NA	5 ml.	NA		8/16/99	7/31/02		JCA
	Dalapon		250	↓	↓	↓		↓	↓		↓
	2,4-DB		100	↓	↓	↓		↓	↓		↓
	dicamba		10	↓	↓	↓		↓	↓		↓
	dichlorprop		100	↓	↓	↓		↓	↓		↓
	dinoseb		50	↓	↓	↓		↓	↓		↓
	MCPA & MCPP		10,000	↓	↓	↓		↓	↓		↓
	2,4,5-TP		10	↓	↓	↓		↓	↓		↓
	2,4,5-T		10	↓	↓	↓		↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Ini
CMixcon5 9382	Mirex	9380	1000ug/ml	160ul	100ml	0.16ug/ml	HEx/BV082	8/2/99	2/2/00	–	TS
	trans-nonachlor	S-9230	1000ug/ml	16 ul 8/4/97							
	2,4'-DDT	S-9231									
	2,4'-DDE	S-9232									
	2,4'-DDD	S-9233									
	Pest surrogate	S-9379	10ug/ml	800ul		0.08ug/ml					
S-9383	CMix Con 1	S-9382	-	0.3125ml	10ml	0.005ug/ml	HEx/BV082	8/2/99	2/2/00		
S-9384	CMix con 2	S-9382	–	2.5ml		0.04ug/ml					
S-9385	CMix con 3	S-9382	–	25ml	50ml	0.08ug/ml					
S-9386	CMix Con 4	S-9382	–	7.5ml	10ml	0.12ug/ml					
S-9387	Chlordane MS	S-9137	1000ug/ml	50ml	10mL	50ug/ml	MeOH	8/2/99	2/2/00		J
S-9388	motor oil Std	Restek A010155	50,000ug/mL	1mL	1mL	50,000ug/mL	MeCl2	080399	1/01		S
S-9389	M.O. HH	S-9388			25mL	2000ug/mL	MeCl2/No6293	080399	020200		
	C28	S-9365	2000ug/mL	5mL	25mL	400	080399	~~020200~~			
S-9390	MO MH	S-9389	2000/400 ug/mL	5mL	10mL	1000/200 ug/mL					
S-9391	MO MM	S-9389		6.25mL	25mL	500/100					
S-9392	MO ML			1mL	10mL	200/40					
S-9393	MO LL			.25mL	10mL	50/10					
S-9394	PestCLPSurr	S-9242	200ug/ml	0.2mL	200mL	0.2ug/ml	Active Blends	8-4-99	2-4-00		J
S-9395	RESC Stock	Restek lot A011498	1-10µg/ml	–	–	–	–	Opened 8-10-99	7/01		
S-9396	RESC Working	S-9395		1.0ml	100ml	0.01-0.1µg/ml	Hex/	8-10-99	2-10-00		
S-9397	PEM Stock	~~Restek~~ S-9338	1-25ug/ml	1.0ml	100ml	0.01-0.25ug/ml	Hex/				

Reviewed by: John Angelone Date: 8/10/99

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-9365	C28 Stock	Chemserve 154-63A	99%	.05g	25mL	2000ug/mL	MeCl2/N06295	072499	012499		[illegible]
S-9366	Diesel HH	Ultra RGO-616	50,000ug/mL	2mL	50mL	2000ug/mL	MeCl2/N06293	072499	012499		
	C28	S-9365	2000ug/mL	10mL	↓	400ug/mL					
S-9367	Diesel MH	S-9366	2000/400 ug/mL	5mL	10mL	1000/200 ug/mL					
S-9368	Diesel MM			6.25mL	25mL	500/100 ug/mL					
S-9369	Diesel ML			1mL	10mL	200/40 ug/mL					
S-9370	Diesel LL			.25mL	10mL	~~100~~ 50/10 ug/mL	MDH 072499				
S9371	Herbicide MS.	S-9061	1000ug/ml	800ul	50.0mL	16 ug/ml	MeOH DT7221	7-28-99	1-28-00		JA
		S-9062	100ug/ml			1.6 ug/ml					
		S-9174	10-10,000 ug/ml	8.0mL		1.6-1600 ug/ml					
S-9372	Pesticide Surrogate	S-9242	200ug/ml	0.6mL	200mL	0.6ug/ml	Acetone DT943	7-28-99	1-28-00		J
S-9373	EDB/DBCP Con 1	S-9311	0.4ug/ml	3ul	35ml	34.3 ng/ul	NA/DI H2O	7-29-99	7/30/99		[illegible]
S-9374	2			5ul		57					
S-9375	3			10ul		114					
S-9376	4			15ul		171					
S-9377	5			25ul		286					C
S-9378	Pest surrogate stock	Restek A012642	200ug/ml	—	—	—	acetone	8/2/99	12/01		[illegible]
S-9379	Pest Surr. mix	S-9378	200ug/ml	0.5ml	10ml	10ug/ml	HEX/BV082	8/2/99	2/2/00		—
S-9380	Mirex	Chemservice 223-67A	1000ug/ml	—	—	—	Methanol	8/2/99	09/00		
S-9381	Hexachlorobenzene	Chemservice 229-16B	100ug/ml	—	—	—	↓	↓	12/00		
S-9382	C Mix con 5	S-9381	—	—	—	—	—	—	—		
↓	Hexachlorobenzene	S-9381	100ug/ml	160ul	100ml	0.16ug/ml	HEX/BV082	8/2/99	2/2/00		

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~~S-9353~~	~~Pest Surr. Stock~~	Restek ~~A012642~~	~~200ug/ml~~	~~1.0ml~~	TS 7/13/99	—	~~acetone~~	~~7/13/99~~	~~12/01~~		~~TS~~
S-9353	Aroclor 1660-Con1	S-8979	1000ug/ml	10ml	100 Mls	0.1ug/ml	HEXANE-BV082 B&J	1/13/99	10/20/99		TS
↓	Pest Surrogate	S-9181	10ug/ml	50ml		0.005ug/ml					
S-9354	Aroclor 1660-Con2	S-8979	1000ug/ml	20ml		0.2ug/ml					
↓	Pest Surrogate	S-9181	10ug/ml	100ml		0.01ug/ml					
S-9355	Aroclor 1660-Con3	S-8979	1000ug/ml	40ml		0.4ug/ml					
↓	Pest Surrogate	S-9181	10ug/ml	200ml		0.02ug/ml					
S-9356	Aroclor 1660-Con4	S-8979	1000ug/ml	100ml		1.0ug/ml					
↓	Pest Surrogate	S-9181	10ug/ml	500ml		0.05ug/ml					
S-9357	Aroclor 1660-Con5	S-8979	1000ug/ml	200ml		2.0ug/ml					
↓	Pest Surrogate	S-9181	10ug/ml	1000ml	↓	0.1ug/ml	↓	↓	↓		↓
S-9358	HMX/RDX MS Solut.	S-9265	1000ug/ml	50ul	25ml	2.0ug/ml	Methanol/BV431	7/13/99	1/13/00		JC
~~S-9359~~		S-9266	d	500ul	d	20ug/ml	d	d	d		C
S-9359	RDX/HMX High Pt	S-9342	10ug/ml	100ul	100ml	0.01ug/ml	DI H_2O	d	8/13/99		
~~S-9360~~	~~Pesticide~~ 7/14/99	S-9358	2-20ug/ml	d	d	0.002-0.02ug/ml	d	d	d		d
S-9360	Pesticide M.S. AFCEE	S-9190	25/50/125 ug/ml	2.0mL	200mL	0.25/.5/1.25 ug/ml	MeOH BV431	7-14-99	1-14-00		J
S-9361	Pesticide Surr.	S-9242	200ug/ml	0.6mL	200mL	0.6ug/ml	Acetone BV443	d	d		d
S-9362	O-TP Surr.	M-1027 Ultra Scientific	2000ug/ml	—	4ml	—	—	7/15/99	8/31/02		J
S-9363	Aroclor 1660-ICV	S-9054	1000ug/ml	40ml	100ml	0.4ug/ml	HEXANE-BV082 B&J	7/16/99	10/20/99		T
↓	↓	S-9055	↓	40ml	↓	↓	↓	↓	↓		↓
↓	TCX/DCB	S-9181	10ug/ml	200ml	↓	0.02ug/ml	↓	↓	↓		↓
S-9364	DIMP+DMMP	S-9185	50ug/ml	320ul	2ml	8ug/ml	$MeCl_2$ ND5293	7/22/99			J

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S-9338	PEM Stock	Restek A013625	1.25 ug/ml	—	5 ml	—	—	6/22/99	2/31/2002		JC
S-9339	PEM Working	S-9338	↓	1 ml	100 ml	0.01-0.25 ug/ml		↓	12/22/99		↓
S-9340	Herbicide Surrogate	S-9060 ~~S-8026~~	2000 ug/ml	2.0 mL	200 mL	20 ug/ml	Acetone BV[illegible]	6-23-99	12-23-99 ~~9-23-99~~		J.[illegible]
S-9341	Herbicide M.S.	S-9061	1000 ug/ml	400 ul	25.0 mL	16 ug/ml	MeOH BV746	6-25-99	12-25-99		↓
↓	↓	S-9062	100 ug/ml	400 ul	↓	1.6 ug/ml	↓	↓	↓		↓
↓	↓	S-9174	10-10,000 ug/ml	4.0 mL	↓	1.6-1600 ug/ml	↓	↓	↓		↓
S-9342	Explosive Surr Working	S-9120	100 ug/ml	1 ml	10 ml	10 ug/ml	MeOH / BV746	6-25-99	9-19-99		JC
S-9343	Explosive High Pt	S-9342	10 ug/ml	50 ul	100 ml	0.005 ug/ml	Di H_2O	↓	↓		↓
	w/ Banana Oil	S-9267	0.2-2.0 ug/ml	↓	↓	0.0001-0.001 ug/ml	↓	↓	↓		↓
S-9344	Explosive High Pt	S-9342	10 ug/ml	50 ul	↓	0.005 ug/ml	↓	↓	↓		↓
		S-9267	0.2-2.0 ug/ml	↓	↓	0.0001-0.001 ug/ml	↓	↓	↓		↓
S-9345	Explosive High Pt	S-9342	10 ug/ml	200 ug ~~400 ul~~ 6/28/99	100 ml	0.0~~4~~2 ug/ml	Di H_2O	6/28/99	7/28/99		[illegible]
		S-9267	0.2-2.0 ug/ml	↓	↓	0.0008-0.008 ug/ml	↓	↓	↓		[illegible]
S-9346	TNRCC STANDARD	Ultra M-0499	50,000 ug/ml	4 mL	8 mL	25,000 ug/ml	$MeCl_2$	070299	010299		[illegible]
		Ultra P-0308	↓	↓	↓	↓	↓	↓	↓		[illegible]
S-9347	TNRCC High	S-9346	25,000 ug/ml	.8 mL	10 mL	2000 ug/ml	Pentane/BV075	070299	010299		[illegible]
	OTP	Ultra M-1027	2000 ug/ml	2 mL	10 mL	400 ug/ml	↓	↓	↓		[illegible]
S-9348	Pesticide Surrogate	S9242	200 ug/ml	0.6 mL	200 mL	0.6 ug/ml	Acetone DT943	7-2-99	1-2-00		J
S-9349	Pest Mix A ICV	S-9179	8-80 ug/ml	0.5 ml	100 ml	0.04-0.4 ug/ml	Hex / BV082	7/6/99	1/6/00		[illegible]
S-9350	Gasoline Amoco	Neat	Neat	—	—	—	—	070799	010799		[illegible]
S-9351	TNRCC STND.	S-9350 S-8779	Neat	.5g .5g	10 mL	100 mg/kg	$MeCl_2$/BV660	070799	010799		[illegible]
S-9352	TNRCC HH	S-9351	100,000 ug/mL	.2 mL	10 mL	2000 ug/mL	↓	070899	010899		[illegible]
	OTP	Ultra M-1027	2000 ug/mL	~~7 mL~~ .5 mL	↓	100 ~~200~~ ug/mL	$MeCl_2$/BV660	↓	↓		

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EA Laboratories SEMI-Volatiles Lab Standards Logbook Bk # : 10

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9322	8140 Std								10/31/99		
	8140 mix	S-9320	200 ug/ml	1.25 ml	10 ml	25 ug/ml	Hex / BV082	6/10/99	~~12/10/99~~	9/10/99	JCL
	Malathion	S-9321	1000 ug/ml	250 ul	↓	↓	↓	↓	↓		↓
	triphenylphosphate 1a	~~S-9164~~ S-9323	500	↓	↓	↓	↓	↓	↓		↓
	tributylphosphate 4a	~~S-9165~~ S-9083	2000	↓	↓	↓	↓	↓	↓		↓
S-9323	triphenylphosphate	Chemsurv 209-30B	500 ug/ml	—	—	—	NA	↓	10/31/99		↓
S-9324	Aroclor 1016/1260 Con 3	S-8979	10000 ug/ml	40 ML	100 ML	0.4 µg/ml	HEXANE / BV082	6/11/99	10/20/99		TJ
↓	TCX / DCB	S-9181	10 µg/ml	200 ml	↓	0.02 ug/ml	↓	↓	↓		↓
S-9325	PCBAR 1221/1254 MDL Spk	S-9090	1000 ug/ml	25 ul	50 ml	0.5 ug/ml	Acetone BT943	6-12-99	12-12-99		JH
↓	↓	S-8148	↓	↓	↓	↓	↓	↓	↓		↓
S-9326	PCBAR 1232 MDL Spk	S-9042	↓	↓	↓	↓	↓	↓	↓		↓
S-9327	PCBAR 1242 MDL Spk	S-8829	↓	↓	↓	↓	↓	↓	↓		↓
S-9328	PCBAR 1245 MDL Spk	S-9045	↓	↓	↓	↓	↓	↓	↓		↓
S-9329	Pest CLP Surrogate	S-9242	200 ug/ml	200 ul	200 ml	0.2 ug/ml	↓	↓	↓		↓
S-9330	PCB MDL Spk 1016/1260	S-9178	5.0 ug/ml	2.5 ml	25 ml	0.5 ug/ml	↓	6-14-99	12-14-99		JH
S-9331	Diesel MS	S-9780	50,000 ug/ml	5 mL	100 mL	2500 ug/ml	80:20 ACE:MeCl2	06/18/99	09/18/99		[illegible]
S-9332	Stockton Diesel MS	↓	↓	1 mL	100 mL	500 ug/ml	↓	↓	↓		↓
S-9333	1016/1260 PCB Stock	Dotex A012757	1000 ug/ml	5 mL	—	—	hexane	Opened 6-18-99	12-01		JH
S-9334	PCB MS	S-9333	1000 ug/ml	1.0 ml	200 mL	5.0 ug/ml	Acetone BT943	6-18-99	12-18-99		↓
S-9335	AFCEE Pest M.S.	S-~~190~~ 9190 6/11/99	25/50/125 ug/ml	2.0 ml	200 ml	0.25/.5/1.25 ug/ml	MeOH BO746	6-19-99	12-19-99		↓
S-9336	Pest CLP Surr	S-9242	200 ug/ml	300 ul	200 ml	0.2 ug/ml	Acetone BT943	↓	↓		↓
S-9337	Pest Surr.	↓	↓	0.6 ml	↓	0.6 ug/ml	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9306	MCPP	Chem Serv Lot 224-133A	10,000 ug/ml	NA	5 ml	NA	NA	6/7/99	5-31-9000		[illegible]
(cont.)	MCPA	↓	↓	↓	↓	↓	↓	↓	↓		↓
S-9307	Methyl. Herb Std								8-31-99		
	Herb Mix	S-9306	10-10,000 ug/ml	1 ml	10 ml	1-1000 ug/ml	Hex./BV082				
	PCP	S-8904	100	100 ul		1					
	Picloram	S-8905	100	1 ml		10					
	DCAA	S-9239	1000	100 ul		10					
S-9308	Pest B3 ICV	S-9051	8-16 ug/ml	500 ul	100 ml	0.04-0.08 ug/ml	Hex./BV082	6/8/99	12/8/99		[illegible]
S-9309	Pest MDL Add Compds	S-9214	20 ug/ml	125 ul	25 ml	0.1 ug/ml	MeOH BU746	6/9/99	11/10/99		J.H
S-9310	504/8011 Stock	Ultra Scient L-1400	200 ug/ml	—	—	—	NA	6/9/99	11/31/99		[illegible]
S-9311	EDB/DBCP	S-9310	↓	20 ul	10 ml	0.4 ug/ml	Methanol	↓	↓		
S-9312	EDB/DBCP Con 1	S-9311	0.4 ug/ml	3 ul	35 ml	34.3 ng/ul	NA		6-10-99		
S-9313	2			5 ul		57.1					
S-9314	3			10 ul		114					
S-9315	4			15 ul		171					
S-9316	5	↓	↓	25 ul	↓	286	↓	↓	↓		
S-9317	OPPest Mix SPM-124	Ultra PO329	200 ug/ml	4 ml	4 ml	—	hexane/acetone	opened 6-10-99	10-99		[illegible]
S-9318	Malathion PST-6415	Ultra M1539	100 ug/ml	1 ml	—	—	methanol	opened 6-10-99	12-00		JH
S-9319	OPPest MDL Spk	S-9317	200 ug/ml	250 ul	25 ml	2.0 ug/ml	MeOH BU746	6-10-99	11-10-99 ~~12~~		
↓	↓	S-9318	100 ug/ml	500 ul	↓	↓	↓	↓	↓		↓
S-9320	8140 mix	Protocol R990107005	200 ug/ml	—	—	—	NA	6-10-99	12-10-99		[illegible]
S-9321	Malathion Stock	Protocol R990122006	1000 ug/ml	—	—	—	NA	↓	↓		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9296	Fuel Oil Dil/LS	S-9295	200 µg/ml	500 µL	10 mL	100 µg/ml	MeCl2/Pentane	05 29 99	07 01 99		[illegible]
S-9297	Motor ICV	S-8486	1400 µg/ml	.5 mL	10 mL	500 µg/ml	MeCl2/Pentane	[illegible]	11 27 99		[illegible]
		S-9250	2,000 µg/ml	10 µL	10 mL	50 µg/ml	↓	↓	↓		↓
S-9298	C36	S-8431	1000 µg/ml	5 mL	10 mL	500 µg/ml	MeCl2/Pentane	05 29 99	05 27 99		[illegible]
S-9299	1005 Window Std	Ultra M-08016	200 µg/ml	1 mL	1 mL	200 µg/ml	n-Pentane	052999	07/01		[illegible]
S-9300	OTP Surrogate	S-9250	50,000 µg/ml	40 µL	100 ml	20 µg/ml	Acetone DU123	5-30-99	11-30-99		J.
S-9301	Pest LLS Surr	S-9242	200 µg/ml	200 µL	200 ml	0.2 µg/ml	Acetone DU123	6/1/99	12/1/99		JH
S-9302	AR1660 ICV	S-9054	1000 µg/ml	40 µl	100 ml	0.4 µg/ml	Hex/BT250	6/2/99	12/2/99		GD
	↓	S-9055	↓	40 µl	↓	↓	↓	↓	↓		
↓	TCX/DCB	S-9181	10 µg/ml	200 µl	↓	0.02 µg/ml	↓	↓	↓		↓
S-9303	PCB TOX MDL Spk	S-9047	1000 µg/ml	125 µL	50.0 ml	2.5 µg/ml	Acetone DU123	6/2/99	12/3/99		J
S-9304	Pest MDL Spk	S-9191	.25/.5/1.25 µg/ml	5 mL	25 mL	.05/.1/.25 µg/ml	MeOH DU746	6/3/99	11/3/99		
S-9305	Consumer MDL Spk	S-9153	0.08 µg/ml	3.125 ml	25 mL	0.01 µg/ml	↓	6/4/99	12/4/99		
S-9306	Methyl. Herb Mix	Chem Serv 41-2241359	NA	NA	5 mL	NA	NA	6/7/99	5/31/2000		[illegible]
	2,4-D	CCC 100 µg/mL	↓	↓	↓	↓	↓	↓	↓		↓
	2,4,5-TP	10 µg/mL	↓	↓	↓	↓	↓	↓	↓		↓
	Dalapon	250	↓	↓	↓	↓	↓	↓	↓		↓
	Dicamba	10	↓	↓	↓	↓	↓	↓	↓		↓
	Dinoseb	50	↓	↓	↓	↓	↓	↓	↓		↓
	2,4-DB	100	↓	↓	↓	↓	↓	↓	↓		↓
	2,4,5-T	10	↓	↓	↓	↓	↓	↓	↓		↓
	Dichloroprop	100	↓	↓	↓	↓	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-9276	BZ con 1	S-9279	10 ug/ml	10 ul	1 ml	0.10 ug/ml	H_2O	5/27/99	–		GG
S-9277	BZ con 2	↓	↓	100 ul	1 ml	1.0 ug/ml	↓	↓	↓		↓
S-9278	BZ con 3	S-9275	1000 ug/ml	5 ul	1 ml	50 ug/ml	↓	↓	↓		↓
S-9279	BZ con 4	↓	↓	10 ul	1 ml	10 ug/ml	↓	↓	↓		↓
S-9280	BZ con 5	↓	↓	25 ul	1 ml	25 ug/ml	↓	↓	↓		↓
S-9281	BZ con 6	↓	↓	50 ul	1 ml	50 ug/ml	↓	↓	↓		↓
S-9282	BZ con 7	↓	↓	100 ul	1 ml	100 ug/ml	↓	↓	↓		↓
S-9283	BZ 2-nitroanaline surr (T-1780)	T-1780	5000 ug/ml	–	–	–	–	–	–	–	–
~~S-9284~~	~~BZ con 1~~										
S-9285	BZ con ~~2~~ 1			100 ul	1.0 ml	0.1 ug/ml	H_2O	5/27/99	–		G
S-9286	GG ~~3~~ 2			200 ul	1.0 ml	1 ug/ml	H_2O	↓	↓		↓
S-9287	5/27/99 ~~4~~ 3			500 ul	1.0 ml	5 ug/ml	H_2O	↓	↓		↓
S-9288	~~5~~ 4	S-9289	25 ug/ml	400 ul	1.0 ml	10 ug/ml	H_2O	↓	↓		↓
S-9289	↓ ~~6~~ 5	S-9275	1000 ug/ml	250 ul	10 ml	25 ug/ml	H_2O	↓	↓		↓
	↓	S-9283	5000 ug/ml	50 ul	↓	↓	↓	↓	↓		↓
S-9290	BZ MS (soil)	S-9275	1000 ug/ml	6.25 ml	50 ml	125 ug/ml	H_2O	↓	↓		↓
S-9291	BZ surr (soil) 2-nitroanaline	S-9283	5000 ug/ml	1.25 ml	50 ml	125 ug/ml	H_2O	↓	↓		↓
S-9292	OTP Standard	Ultra m-10-77 ISS-480	2000 ug/mL	2 mL	2 mL	2000 ug/mL	$MeCl_2$	052899	08/02		
S-9293	MRCC HH	S-9247	25000 ug/mL	18 mL	10 mL	2000 ug/mL	Pentane/BU075	↓	112899		
		S-9292	2000 ug/mL	2 mL	↓	400 ug/mL	↓	↓	↓		
S-9294	Pesticide Surrogate	S-9242	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone B7943	5-28-99	11-28-99		
S-9295	Full Oil Degradation Mix	Restek A010911	2000 ug/mL	1 mL	1 mL	2000 ug/mL	$MeCl_2$	052999	7/99		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9267	Rep bldg Mix	S-9257	1000 ug/ml	30 ul	50 ml	0.6 ug/ml	Acetonitrile	5/2[illegible]	11/24/99		JH
		S-9258		30 ul		0.6 ug/ml					
		S-9259		90 ul		1.8 ug/ml					
		S-9260		90 ul		1.8 ug/ml					
		S-9261		90 ul		1.8 ug/ml					
		S-9262		40 ul		0.8 ug/ml					
		S-9263		40 ul		0.8 ug/ml					
		S-9264		100 ul		2.0 ug/ml					
		S-9265		100 ul		2.0 ug/ml					
S-9268	OTP Standard	Ultra L-1516	2000 ug/ml	3 ml	3 ml	2000 ug/ml	MeCl2	052599	12/99		[illegible]
S-9269	$C_{10}C_{26}$	Kodak A012737	2000 ug/ml	3 ml	3 ml	2000 ug/ml	MeCl2	052599	10/01		
S-9270	Maine HH	S-9268	2000 ug/ml	2.5 ml	2.5 ml	200 ug/ml	MeCl2/HU660		112599		
		S-9269	2000 ug/ml			2000 ug/ml					
S-9271	Post Added Conc 5	~~[illegible]~~ S-9264	20 ~~[illegible]~~ ug/ml	800 ul ~~[illegible]~~	100 ml	0.160 ug/ml	Hexane/FJ250	052699	111099		
	~~Endosulfan I~~	~~S-9211~~									
	~~Test Mix~~	~~S-9213~~									
	TCX/DCB	S-9242	200 ug/ml	80 ul	100 ml	0.160 ug/ml	Hexane/FJ250	052699	111099		
S-9272	TNRCC Gas/Diesel MDL	S-9247	25000 ug/ml	0.5 ml	25 ml	500 ug/ml	Acetone BJ943	5/26/99	11/26/99		
S-9273	TNRCC Gas/Diesel M.S	S-7247	25000 ug/ml	5.0 ml	25 ml	5000 ug/ml					
S-9274	BZ (neat)	SIGMA Lot-4 H4627 Q-0878	neat	10 mg	—	—	—	—	—		
S-9275	BZ Stock	S-9274	neat	10 mg	10 ml	1000 ug/ml	Acetone BJ943	5/26/99	—		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9249	BTP	Supelco LA87075	Neat	500mg	500mg	—	—	[illegible]	4/02		[illegible]
S-9250	OTP Standard	↓	↓	500mg	10mL	50,000 ug/mL	Acetone/Bu[illegible]	[illegible]	11/2/99		[illegible]
S-9251	TNRCC OTP Surrogate	S-9250	[illegible] ug/mL	2mL	100mL	1000 ug/mL	↓	↓	↓		↓
S-9252	Diesel mm	S-[illegible]	2000 ug/mL	6.25mL	25mL	500 ug/mL	MeCl2/Bu[illegible]	[illegible]	11/2/99		[illegible]
S-9253	Nitrobenzene S-2705	Protocol W990101001	1000 ug/ml	—	—	—	MeOH	5-24-99	5-24-01		[illegible]
S-9254	1,3 Dinitrobenzene S-1672	Protocol W990106001		—	—	—					
S-9255	2,4-Dinitrotoluene S-1690	Protocol W990406006		—	—	—					
S-9256	2,6 Dinitrotoluene S-1695	Protocol W990406005		—	—	—					
S-9257	TNT S-3501	Protocol W990406017		—	—	—					
S-9258	1,3,5-Trinitrobenzene S-3760	Protocol W990406008		—	—	—					
S-9259	2-Nitrotoluene S-2756	Protocol W990406010		—	—	—					
S-9260	3-Nitrotoluene S-2757	Protocol W990406011		—	—	—					
S-9261	4-Nitrotoluene S-2758	Protocol W990406001		—	—	—					
S-9262	4-Amino 2,6 DNT S-226	Protocol W990406012		—	—	—					
S-9263	2-Amino 4,6 DNT S-221	Protocol W990408005		—	—	—					
S-9264	Tetryl S-3478	Protocol W990406018		—	—	—					
S-9265	RDX S-3251	Protocol W990406013	↓	—	—	—	↓	↓	↓		↓
S-9266	HMX S-2224	Protocol W990412009	↓	—	—	—	↓	↓	↓		↓
S-9267	Exp by GC Mix	S-9253	1000 ug/ml	30ul	50ml	0.6 ug/ml	Acetonitrile	5/24/99	11/24/99		
↓	↓	S-9254	↓	90ul	↓	1.8 ug/ml	↓	↓	↓		
		S-9255		20ul		0.4 ug/ml					
		S-9256		10ul		0.2 ug/ml					

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9238	Methylated Herb Mix	Protocol lot: W98C110006			1ml	NA	Hex / BU141	12/99	11-12-99		
	2,4-D		100 ug/ml								
	2,4,5-TP		10								
	Dalapon		250								
	Dicamba		10								
	Dinoseb		50								
	2,4-DB		100								
	2,4,5-T		10								
	Dichloroprop		100								
	MCPP		10,000								
	MCPA										
S-9239	DCAA	Protocol lot: R98 10150 10	1000 ug/ml				NA				
S-9240	Resc Stock	Restek A007452	1-10 ug/ml	—	—	—	NA	5-18-99	7-31-99		
S-9241	Resc Working	S-9240		1ml	100ml	0.01-0.1 ug/ml	Hex / BU141				
S-9242	Pest Surr. Stock	Restek H012642	200 ug/ml	5ml	—	—	acetone	5-19-99	12-01		
S-9243	Pesticide Surrogate	S-9242		0.6ml	200ml	0.6 ug/ml	acetone BT943	5-20-99	11-20-99		
S-9244	PCB Congener Surr.	S-7789	200 ug/ml	100 ul	250ml	0.08 ug/ml	meOH BU746				
S-9245	Gasoline Sim.	Ultra P-03268	50000 ug/ml	4mL	4mL	50,000 ug/mL	MeCl2	—	03/03		
S-9246	Diesel #2	Ultra M-1431	50,000 ug/ml	4mL	4mL	50,000 ug/mL	MeCl2	—	11/02		
S-9247	TNRCC Gasoline	S-9245		4.2mL	4mL	25,000 ug/mL		05/20/99	11/20/99		
	Diesel	S-9246									
S-9248	C28 Surrogate	Sigma 84180055	99%	250mg	500mL	500 ug/mL	50:50 Hex:DCM, BU160 ACETONE	05/27/99	11/27/99		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	In
S-9217	AFCEE Pest MDL	S-9191	.251.5/1.25 ug/ml	5 ml	.25 ml	100/1/10 x5 ug/ml	MeOH	[illegible]	[illegible]		J
S-9218	JP-8	Supelco LA-62591	10,000 ug/mL	1 mL	1 mL	10,000 ug/mL	$MeCl_2$	5-11-99	10/99		[illegible]
S-9219	JP-8 ICV	S-9218	↓	.5 mL	10 mL	500 ug/mL	$MeCl_2$/BT442	↓	10/11/99		[illegible]
	C28	S-8962	2000 ug/mL	.5 mL	↓	100 ug/mL	↓	↓	↓		↓
S-9220	Pest Surrogate	S-9148	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	acetone BT443	5-11-99	11-11-99		J
S-9221	PEM W Stock	Restek lot A010112	1-25 ug/ml	–	–	–	–	Opened 5-11-99	11-11-99		G
S-9222	PEM Working	S-9221	↓	1.0 ml	100 ml	0.01-0.25 ug/ml	Hex BU141	5-11-99	11-11-99		G
S-9223	EDB/DBCP Con 1	S-9068	0.4 ug/ml	3 ul	35 ml	34.3 ng/ul	NA	5-12-99	5-13-99		[illegible]
S-9224	2	↓	↓	5 ul	↓	57.1	↓	↓	↓		↓
S-9225	3	↓	↓	10 ul	↓	114	↓	↓	↓		↓
S-9226	4	↓	↓	15 ul	↓	171	↓	↓	↓		↓
S-9227	5	↓	↓	25 ul	↓	286	↓	↓	↓		↓

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	In
S-9199	PCB AR 1248 MDL Spk	S-9045	1000 ug/ml	~~0~~ 25 ul	50.0 ml	0.5 ug/ml	Acetone B1343	5-3-99	11-3-99		J.
S-9200	TOX MDL Spk	S-9047	1000 ug/ml	25 ul	50.0 ml	0.5 ug/ml	Acetone B1343	↓	↓		↓
S-9201	Chlord MDL Spk	S-9137	1000 ug/ml	5.0 ul	↓	0.1 ug/ml	↓	↓	↓		↓
S-9202	EDB/DBCP Con 1	S-9068	0.4 ug/ml	3 ul	35 ml	34.3 ng/ul	NA	5-3-99	5-4-99		
S-9203	2	↓	↓	5	↓	57.1	↓	↓	↓		
S-9204	3			10		114					
S-9205	4			15		171					
S-9206	5	✓	✓	25 ✓	✓	286 ✓	✓	✓	✓		✓
S9207	Endo/GC ~~tox~~ Stock	S-9121	50 ug/ml	20 ul	10 ml	0.1 ug/ml	MeOH B081	5-4-99	11-4-99		J
S9208	Pesticide Surrogate	S-9148	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone B1343	5-6-99	11-6-99		
S-9209	Endo by GC High Pt	S-9121	50 ug/ml	160 ul	10 ml	0.8 ug/ml	ACN	5-6-99	11-6-99		J.
S9210	Endo sulfate standard	AC05824	1000 ug/ml	—	—	—	MeOH	opened 5-10-99	5-10-00		J
S-9211	Endo I standard	AC05820	1000 ug/ml	—	—	—	MeOH	opened 5-10-99	5-10-00		J.
~~S-9212~~	~~Pest MDL Add Comp~~	S-9210									
		S-9211									
		S-9213									
S-9213	Pest Mix	M-0920	1000 ug/ml	—	—	—	Hexane Toluene	5-10-99	5-10-00		J
S-9214	Pest MDL Add Comp Sub Stock	S-9210		0.2 ml	10 ml	20 ug/ml	MeOH		11-10-99		
		S-9211									
		S-9213									
S-9215	Pest MDL Add Comp	S-9214	20 ug/ml	25 ul	25 ml	0.02 ug/ml					
S-9216	Pest MDL Add Comp	S-9214	20 ug/ml	125 ul	25 ml	0.1 ug/ml					

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-9182	Ar 1660 ICV	S-9054	1000 ug/ml	40 ul	100 ml	0.4 ug/ml	Hex / BV141	4/20/99	10/20/99		JC
	↓	S-9055	↓	↓	↓	↓	↓	↓	↓		↓
	tex / dcb	S-9181	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		↓
S-9183	HMX High Point	S-9172	1000 ug/ml	320 ul	10 ml	32 ug/ml	hexane	4-22-99	10-22-99		J.H
S-9184	DIMP+DMMP	H-981	50 ug/ml	160 ul	1 ml	8 ug/ml	MeCl2 / BV660	4/24/99	NA		JC
S-9185	DIMP+DMMP MS	H-979	4500 ug/ml	111 ul	10 ml	50 ug/ml	MeOH / BS081	↓	↓		↓
		H-980	4470 ↓	112 ↓	↓	↓	↓ / ↓	↓	↓		↓
S-9186	Pesticide Surrogate	S-9148	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone B7943	4-24-99	10-24-99		JH
S-9187	DIMP+DMMP MS	S-9185	50 ug/ml	320 ul	2 ml	8 ug/ml	MeCl2 / BV660	4/26/99	NA		JC
S-9188	Exp. GC ~~High~~ Mid Pt.	S-9121	50 ug/ml	~~160 ul~~ 20 ul	10 ml	~~0.8 ug/ml~~ 0.1 ug/ml	Hexane	4-27-99	10-27-99		JH
S-9189	DIMP+DMMP	S-9185	50 ug/ml	320 ul	2 ml	8 ug/ml	MeCl2 / BV660	4-28-99	NA		JC
S-9190	QC Pest Spike Stock	NSF Q-2130-01	25/50/125 ug/ml	—	—	—	MeOH	opened 4-29-99	9-99		JH
S-9191	Pesticide HFCEE MS.	S-9190	25/50/125 ug/ml	2.0 ml	200 ml	125/50/25 ug/ml	MeOH BS081	4-29-99	9-99		JH
S-9192	Exp GC Mid Pt Curve	S-9121	50 ug/ml	20 ul	10 ml	0.1 ug/ml	MeOH BS081	4-30-99	10-30-99		J
S-9193	PCB Long MDL Spike	S-9153	0.08 ug/ml	3.125 ml	25 ml	0.01 ug/ml	MeOH BS081	5-3-99	10-14-99 ~~11-3-99~~		J
S-9194	PAH Matrix Spike	S-8692	1000 ug/ml	2.0 ml	100 ml	20 ug/ml	Acetone B7943	5-3-99	11-3-99		J.
↓	↓ 1 methylnaphthalene	S-9102	2000 ug/ml	1.0 ml	↓	↓	↓	↓	↓		↓
S-9195	PAH MDL Spike	S-9194	20 ug/ml	2.5 ml	50 ml	1.0 ug/ml	↓	↓	↓		↓
S-9196	PCB AR 1221/1254 MDL Spk	S-8144	1000 ug/ml	25 ul	50 ml	0.5 ug/ml	Acetone B7943	5-3-99	11-3-99		J.
↓	↓	S-8148	↓	↓	↓	↓	↓	↓	↓		
S-9197	PCB AR 1232 MDL Spk	S-9042	↓	↓	↓	↓	↓	↓	↓		
S-9198	PCB AR 1242 MDL Spk	S-8829	↓	↓	↓	↓	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9165	A Mix Con 3	S-9154	50-500 ug/ml	0.08	100 ml	0.04-0.4 ug/ml	Hex / BI250	4/14/99	10/14/99		JCL
S-9166	4			0.12		0.06-0.6 ug/ml					
S-9167	5			0.16		0.08-0.8 ug/ml					
S-91168	PAH MH	S-9105	100 ug/ml	5 mL	10 mL	50 ug/ml	$MeCl_2$/BI4600	4/15/99	1/13/99		JMA
S-91169	PAH MM			2 mL		20 ug/ml					
S-9170	PAH ML			1 mL		10 ug/ml					
S-9171	PAH LL			100 uL		1 ug/ml					
S-9172	HMX	Proto. S-2229 of W990406016	1000 ug/ml	1 ml	—		ACN	4/18/99	(wa) 4/18/00		GG
S-9173	Exp HL (0.4)	S-9133	0.8 ug/ml	5 ml	10 ml	0.4 ug/ml	Hex (w/ACN rinse)	4/18/99	(wa) 4/18/00		GG
	HMX	S-9172	100 ug/ml	640 ul		64 ug/ml					
S-9174	Herb Mix Chem Serv	224-71A	10 10,000 ug/ml	—	—	—	MTBE	opened 4-19-99	04-00		JH
S-9175	Herbicide M.S	S-9061	1000 ug/ml	800 ul	50.0 ml	16 ug/ml	MeOH BI722	4-19-99	10-19-99		
		S-9062	100 ug/ml	800 ul		1.6 ug/ml					
		S-9174	10-10,000 ug/ml	8.0 ml		1.6-160 ug/ml					
S-9176	Kepone by GC M.S. HMX Error	S-9126	0.1 ug/ml	10 ml	10.0 ml	0.1 ug/ml	MeOH BI722	4-19-99	10-19-99		JH
		S-9172	1000 ug/ml	160 ul	10.0 ml						
S-9177	Aroclor 1016/1260 mix	Restek A009843	1000 ug/ml	—	—	—	hexane	opened 4-20-99	10/00		JH
S-9178	PCB M.S.	S-9177	1000 ug/ml	1.0 ml	200.0 ml	5.0 ug/ml	Acetone BI943	4-20-99	10-20-99		
S-9179	Pest Mix A	Restek A010760	8-80 ug/ml	—	—	—		4-20-99	3-31-01		GG
S-9180	Mix A ICV	S-9179		0.5 ml	100 ml	0.04-0.4 ug/ml	Hex /	4/20/99	10/20/99		
S-9181	Pest Surr. Mix	S-9148	200 ug/ml	1.25 ml	25 ml	10 ug/ml					

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9149	Pesticide Surrogate	S-9148	200ug/ml	0.6ml	200ml	0.6ug/ml	acetone BT943	4-14-99	10-14-99		J.H.
S-9150	CLP MS Stock (Pesticide / Pesticide) CLPMS91	U98052600 4	50/100 ug/ml	—	—	—	MeOH	recd 4-14-99	4-8-00		JH
S-9151	2,2',3,4,5 PCBP BZ-87	EMSci PB520238	35ug/ml	—	—	—	isooctane	opened 4-14-99	5-1-00		JH
S-9152	2,2',4,5-TCBP BZ-49	EMSci B704045a	35ug/ml	—	—	—	↓	↓	↓		↓
S-9153	PCB Long MS	S-9140	35ug/ml	230ul	100ml	0.08ug/ml	MeOH BT722	4-14-99	10-14-99		J.H.
		S-9141									
		S-9143									
		S-9144									
		S-9151									
		S-9152									
		S-9145	100ug/ml	80ul							
S-9154	Custom Pest A Mix	Supelco LAB1855	50-500 ug/ml	—	—	—	—	4-14-99	10-14-99		JC
S-9155	Custom Pest. B Mix	Supelco Lot: LAB1856	50-100 ug/ml	—	—	—	—				
S-9156	B Mix Con 6	S-9155		0.005ml	100ml	0.0025-0.005 ug/ml	Hex / BT250				
S-9157	1			0.01		0.005-0.01 ug/ml					
S-9158	2			0.04		0.02-0.04 ug/ml					
S-9159	3			0.08		0.04-0.08 ug/ml					
S-9160	4			0.12		0.06-0.12 ug/ml					
S-9161	5			0.160		0.08-0.16					
S-9162	A Mix Con 6	S-9154	50-500 ug/ml	0.004		0.002-0.02					
S-9163	1			0.01		0.005-0.05					
S-9164	2			0.04		0.02-0.2					

Reviewed by: [signature] Date: 4/14/99

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date
S-9133	PCB Cong. Surr. (TCX ONLY)	S-7789	200 ug/ml	100 ul	250 ml	0.08 ug/ml	MeOH BT722	3-24-99	9-24-99	
S9135	Pesticide Surrogate	S9115	200 µg/mL	0.6 mL	200 mL	0.6 µg/mL	acetone BT943	3/30/99	9/15/99	
S-9136	Herb Surrogate	S-9060	2000 µg/ml	2.0 mL	200 mL	20 µg/mL	acetone BT943	4/5/99	10/5/99	
S-9137	Tech. Chlordane Stock	LOT A011673 Restock	1000 µg/mL	—	—	—	—	4/11/99	5/00	
S-9138	Tech. Chlordane Solution	S-9137	1000 µg/mL	5 ml	100 mL	0.5 µg/mL	HEX	4/11/99	10/11/99	
~~S-9139~~	TCX/OCB	S-9040	10 µg/mL	200 ul	100 mL	0.02 µg/mL	HEX	4/11/99	10/11/99	
S-9139	2,2,3,4,5-PCBP Mix	EM Sci 092-190	35 ug/ml	—	—	—	isooctane	opened 4-12-99	5-1-00	
S-9140	2,3,3,4,4,5 HCBP Mix	EM Sci A7080360		—	—	—				
S-9141	2,2,3,4,4,5,6 HCBP Mix	EM Sci 016-362		—	—	—				
S-9142	2,2,4,5-TCBP Mix	EM Sci 101-042		—	—	—				
S-9143	2,2,3,4,4,6,6-HCBP Mix	EM Sci A801252		—	—	—				
S-9144	3,3,4,4,5,5-HCBP Mix	EM Sci 086-108		—	—	—				
S-9145	PCB Cal Chk Soln	EM Sci A8100001	100 ug/ml	—	—	—	acetone			
S-9146	PCB Congener Matrix Spike	S-9139	35 ug/ml	230 ul	100 ml	0.08 ug/ml	MeOH BT722	4-12-99	10-12-99	
		S-9140								
		S-9141								
		S-9142								
		S-9143								
		S-9144								
		S-9145	100 ug/ml	80 ul						
S9147	Pesticide Surrogate	S-9115	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	acetone BT943	4-12-99	10-12-99	
S-9148	Pest Surrogate Stock	Restock A011884	200 ug/ml	—	—	—	acetone	opened 4-12-99	8/01	

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✓ - Exp GC std

	ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Initi
	S-9115	Pest. Surr. Stock CLPP-590	Replaced R990204009	200ug/ml	—	—	—	hexane/acetone	opened 3-19-99	3-19-00		J
	S-9116	Pesticide Surrogate	S-9115	↓	0.6 ml	200 ml	0.6ug/ml	Acetone BT943	3-19-99	9-19-99		↓
✓	S-9117	Explosive Mix Stock	Replaced A6100113	1000ug/ml	—	—	—	MeOH : AcCN	opened 4-19-99	4-1-00		J
✓	S-9118	2NA Explos. Surr. Stock	T-1860	5000 ug/ml	—	—	—	ACN	11-20-98	11-20-99		
✓	S-9119	Explosive Mix Sub stock	S-9117	1000ug/ml	1.0 ml	10.0 ml	100ug/ml	Toluene AR60X	3-19-99	9-19-99		
✓	S-9120	2NA Explos Sub Surr. Stock	S-9118	5000ug/ml	200 ul	10.0 ml	100ug/ml					
✓	S-9121	Expl Mix + 2NA Surr Sub Stock	S-9119	100ug/ml	5.0 ml	10.0 ml	50 ug/ml					
	↓	↓	S-9120	100ug/ml	5.0 ml	10.0 ml	50 ug/ml					
	S-9122	High Pt Std curve (Explo by GC)	S-9121	50ug/ml	100 ul	25 ml	0.2ug/ml					
	S-9123	New High Point Curve (Exp/GC)	S-9121	50ug/ml	100 ul	10 ml	0.5ug/ml					
	S-9124	Final H.P. Curve (Expl/GC)	S-9121	50ug/ml	100 ul	10 ml	0.5ug/ml	Hexane BT250	3-22-99	9-22-99		J
✓	S-9125	Explos by GC Surrogate	S-9120	100ug/ml	50 ul	50 ml	0.1ug/ml	MeOH BT722				
✓	S-9126	Explo by GC Matrix Spike	S-9119	100ug/ml	50 ul	50 ml	0.1 ug/ml					
	S-9127	PCB Long Surr (Tetrachlor)	S-7789	200ug/ml	100 ul	250 ml	0.08 ug/ml	MeOH BT722	3-23-99	9-23-99		J
	S-9128	Herbicide low level spike	S-9064	16-1600ug/ml	4.0 ml	20 ml	0.32-32ug/ml					
	S-9129	Herbicide Matrix Spike	S-9061	1000 ug/ml	400 ul	25 ml	16ug/ml					
			S-9062	100ug/ml	400 ul		1.6ug/ml					
			S-9063	10-10000ug/ml	4.0 ml		1.6-160ug/ml					
	S-9130	608 MS Stock Replaced 3-30-99	Lot AD11407	200ug/ml	—	—	—	1:1 toluene/hexane	opened 3-23-99	6/01		
	S-9131	608 Matrix Spike	S-9130	↓	300 ul	100 ml	0.6 ug/ml	Acetone BT943 5% hexane		9-23-99		
	S-9132	608 QLCS MDL Spike	S-9131	0.6ug/ml	1.0 ml	50.0 ml	0.012ug/ml					J
✓	S-9133	Exp GC High Point	S-9121	50ug/ml	160 ul	10 ml	0.8ug/ml	Hexane BT250	3-23-99	9-23-99		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-9101	OP PEST Std										
	Malathion	S-8762	100 ug/ml	6.25 ml	25 ml	25 ug/ml	Hex/BT250	3/12/99	3/31/99		[illegible]
	OP Pest Mix	S-8763	200 ug/ml	3.125 ml	↓	↓	↓	↓	↓		↓
	Triphenylphosphate	S-8764	1000 ug/ml	625 ul	↓	↓	↓	↓	↓		↓
	Tributylphosphate	S-8765	↓	↓	↓	↓	↓	↓	↓		↓
S-9102	1-methyl naphthalene	Chemserve 172-97B	98%	.02 g	10 mL	2000 ug/mL	MeCl2/BT442	3/13/99	9/13/99		[illegible]
S-9103	2-Bromonaphthalene	Ultra J-2311	20,000 ug/mL	2.1 mL	1 mL	20,000 ug/mL	methanol	↓	↓		↓
S-9104	Polyaromatic Hydrocarbon	Restek A010811	1000 ug/mL	2.5 mL	2.5 mL	1000 ug/mL	MeCl2	↓	↓		↓
S-9105	S-9104 PAH HH	S-9104	1000 ug/mL	2.5 mL	25 mL	100 ug/mL	MeCl2/BT442	↓	↓		↓
	S-9103	S-9103	20,000 ug/mL	.125 mL	↓	↓	↓	↓	↓		↓
	S-9102	S-9102	2000 ug/mL	1.25 mL	↓	↓	↓	↓	↓		↓
S-9106	Aromatic Hydrocarbon	Ultra L-1579	1000 ug/mL	1 mL ~~.5 mL~~	1 mL ~~25 mL~~	1000 ug/mL ~~20 ug/mL~~	MeCl2	↓	↓		↓
S-9107	2-bromonaphthalene	Chemserve 212-74C	2000 ug/mL	5 mL	5 mL	2000 ug/mL	methanol	↓	01/00		↓
S-9108	PAH ICV	S-9106	1000 ug/mL	.5 mL	25 mL	20 ug/mL	MeCl2/BT442	↓	9/13/99		↓
	2-bromonaphthalene	S-9107	2000 ug/mL	.25 mL	↓	↓	↓	↓	↓		↓
	1-MN	S-9102	↓	↓	↓	↓	↓	↓	↓		↓
S-9109	PEST-MIX B	LA60651 SUPELCO	0.5-1.0 ug/ml	—	—	—	—	—	Dec 98	03/17/99	[illegible]
S-9110	MIX B-1	S-9109	↓	0.1 ml	10 ml	0.005-0.01 ug/ml	BT250 HEXANE	3/16/99	6/16/99	↓	↓
S-9111	MIX B-2	↓	↓	0.4 ml	↓	0.02-0.04 ug/ml	↓	↓	↓	↓	↓
S-9112	MIX B-5	↓	↓	1.6 ml	↓	0.08-0.16 ug/ml	↓	↓	↓	↓	↓
S-9113	Diesel MM	S-8964	2000 ug/mL	6.25 mL	25 mL	500/100 ug/mL	MeCl2/BT442	03/16/99	07/09/99		[illegible]
S-9114	Ar RIM	S-8636	10,000 ug/mL	1.25 mL	↓	500 ug/mL	↓	↓	9/13/99		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date
S-9085	EDB/DBCP Conc 1	S-9068	0.4 ug/ml	3 ul	35 ml	343 ng/ml	MA	3/11/99	3/12/99	
S-9086	2			5		571				
S-9087	3			10		1140				
S-9088	4			15		1710				
S-9089	5			25		2860				
S-9090	Aroclor 1221	Restek A008324	1000 ug/ml	—	—	—	HEXANE-BT250	03/12/99	2/2000	
S-9091	Aroclor 1221	S-9090		20 ul	100 ml	0.2 ug/ml		03/12/99	03/12/99	
	TCX/dcb	S-9040	10 ug/ml	200 ul	100 ml	0.02 ug/ml				
S-9092	Toxaphene	Restek A008212	1000 ug/ml	—	—	—	—	—	12/99	
S-9093	Toxaphene	S-9092		50 ul	100 ml	0.5 ug/ml	HEXANE-BT250	03/12/99	03/12/99	
	TCX/dcb	S-9040	10 ug/ml	200 ul		0.02 ug/ml				
S-9094	Aroclor 5432	Chem Service 212-143A	100 µg/mL	—	—	—	methanol	—	8/2000	
S-9095	Aroclor 5460	Chem Service 222-62A	100 µg/mL	—	—	—	methanol	—	7/2000	
S-9096	Aroclor 5432	S-9094	100 µg/mL	500 µL	100 mLs	0.5 µg/mL	Hexane	3/12/99	8/22/99	
	TCX/DCB	S-9040	10 µg/mL	200 µL		0.02 µg/mL	BT250			
S-9097	Aroclor 5460	S-9095	100 µg/mL	500 µL		0.5 µg/mL				
	TCX/DCB	S-9040	10 µg/mL	200 µL		0.02 µg/mL				
S-9098	AFCEE Pest M.S	S-8915	2/50/125 ng/ml	20 ml	200.0 ml	.25/1.5/1.25 ng/ml	Mobil BT250	3-12-99	9-12-99	
S-9099	8140 MS	S-8858	1000 ug/ml	0.25 ml	25 ml	10 ug/ml				
S-9100	8140 QMS (MDL)	S-9099	10 ug/ml	1.95 ml	25 ml	0.78 ug/ml				

3/12/99

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Ini
S-9068	EDB/DBCP	S-8715	200 ug/ml	20 ul	10 ml	0.4 ug/ml	~~AH~~ Hex / BT250	3/2/99	9/2/99		JC
S-9069	EDB/DBCP Con 1	S-9068	0.4 ug/ml	3 ul	35 ml	34.3 ng/ul	H				
S-9070	2			5 ul		57.1	JC 3/2/99				
S-9071	3			10 ul		114.0					
S-9072	4			15 ul		171.0					
S-9073	5			25 ul		286.0					
S-9074	PCB Cong. Mix ICV	S-8700	0.08 mg/ml	1.0 ml	10 ml	0.008 mg/ml	Hex / BT250	3/3/99	9/3/99		GD
S-9075	PEM Stock	Restek Lot# A011489	1-25 mg/ml	–	–	–	–	Opened 3-8-99	6/01		GD
S-9076	PEM Working	S-9075		1.0 ml	100 ml	0.01-0.25 mg/ml	Hex / BT250	3-8-99	9-8-99		GD
S-9077	Pest Mix B	Supelco Lot LA-78090	5-10 ug/ml	—	—	—	—	3/9/99	9/9/99		JC
S-9078	B Mix Con 2	S-9077		0.4 ml	100 ml	0.020-0.04 ug/ml ~~0.005-0.01 ug/ml~~	Hex / BT250				
S-9079	3			0.8		0.04-0.08 ug/ml					
S-9080	5			1.6		0.08-0.16 ug/ml					
S-9081	4			0.6 ml	50 ml	0.06-0.12 ug/ml					
S-9082	8140 Matrix Spike	S-8727	200 ug/ml	~~1.0 ml~~ 1.25 ml	~~20 ml~~ 25 ml	10.0 ug/ml	MeOH BT262	3/10/99	9-10-99		J
S-9083	Tributyl phosphate stock	208-13A	2000 ug/ml	—	—	—	Acetone	opened 3-10-99	11-99		J
S-9084	8140 Surrogate	S-9083	2000 ug/ml	~~4.0 ml~~ 1.0 ml	100.0 ml	20 ug/ml	MeOH BT262	3-10-99	9-10-99		
		S-8728	500 ug/ml	4.0 ml							
~~S-9085~~	~~EDB/DBCP Con 1~~	~~S-9068~~	~~3 ul~~	~~35 ml~~	~~34.3 ng/ul~~						
~~S-9086~~	~~2~~		~~5 ul~~		~~57.1~~		JC 3/11/99				
~~S-9087~~	~~3~~		~~10 ul~~		~~114.0~~						
~~S-9088~~	~~4~~		~~15 ul~~		~~171.0~~						

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date
S-9052	Pest A3 ICV	S-9050	8-80µg/ml	500µl	100ml	0.04-0.4µg/ml	Hex / BT250	2-23-99	8-23-99	
S-9053	Pest B3 ICV	S-9051	8-16µg/ml	500µl	100ml	0.04-0.08µg/ml	↓	↓	↓	
S-9054	AR1016 ICV Stock	Supelco LA-73785	1000µg/ml	–	–	–	–	opened 2-23-99	2/2001	
S-9055	AR1260 ICV Stock	Supelco LA-73624	↓	–	–	–	–	↓	↓	
S-9056	AR1660 ICV	S-9054	↓	40µl	100ml	0.4µg/ml	Hex / BT250	2-23-99	8-23-99	
↓	↓	S-9055	↓	40µl	↓	↓	↓	↓	↓	
↓	TCX/DCB	S-9040	10µg/ml	200µl	↓	0.02µg/ml	↓	↓	↓	
S-9057	PAH/GC 610/8100 Surr	S-8559	2000ug/ml	1.0ml	100.0ml	20ug/ml	acetone BT455	2-24-99	8-24-99	
S-9058	PA NY/NJ Pesticide MS, [illegible] #with add. comp # [illegible]	S-9020	25/5.0/12.5 ml	~~2.0~~ 25 ml	~~20~~ 25 ml	125/.5/1.25 ug/ml	Acetone BT455	2-24-99	8-24-99	
S-9059	PA NY/NJ Pest MDL MS + w/add comp # for acid + [illegible]	S-9058	125/.5/1.25 ug/ml	1.0ml	25ml	0.01/.02/.05 ug/ml	↓	↓	↓	
S-9060	Herb Surr. Stock 2,4-Dichlorophenylacetic acid	Chemserve Lot: 220-97A	2000ug/ml	—	—	—	acetone	opened 2-26-99	2/2001	
S-9061	Picloram Stock	Chemserve lot: 220-123B	1000ug/ml	—	—	—	Acetonitrile	↓	↓	
S-9062	PCP Stock	Chemserve lot: 214-5B	~~1000~~ 100 ug/ml	—	—	—	methanol	↓	↓	
S-9063	Herb Mix	Ultra M-1473	10-10,000ug/ml	—	—	—	Methanol	↓	↓	
S-9064	Herb M.S.	S-9061	1000ug/ml	400ul	25ml	16ug/ml	MeOH BT116	2-26-99	8-26-99	
↓		S-9062	100ug/ml	400ul	↓	1.6ug/ml	↓	↓	↓	
↓		S-9063	10-10,000ug/ml	4.0ml	↓	1.6-1600ug/ml	↓	↓	↓	
S-9065	Herb Surrogate	S-9060	2000ug/ml	2.0ml	200ml	20ug/ml	acetone BT455	↓	↓	
S-9066	PCB Cal Solution Cong	Emscience EPC00737	100ug/ml	1.0ml	—	—	acetone	—	10/99	
S-9067	PCB cong curve	S-9066	100ug/ml	320ul	10ml	3.2ug/ml	Hex / BT250	3/1/99	9/1/99	
	BZ supplements	S-8804 → S-8809	100ug/ml each	320ul	↓	↓	↓	↓	↓	
	TCX	S-7789	200ug/ml	160ul	↓	↓	↓	↓	↓	

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9037	Diesel MS	S-8780	50,000 ug/mL	5mL	100mL	~~7000~~ 2500 ug/mL	8020 ~~MeOH~~ MeCl/MeOH B5465 / B9447	2/14/99	3/10/99		JAA
S-9038	Pesticide Surrogate	Supelco 4.1460 LA-74646	200 ug/ml	0.6ml	200 ml	0.6 ug/ml	Acetone B5135	1/11/99	8/19/99		JH
S-9039	Surrogate Tcx/dcb	RESTEK LOT# A011834	200ug/ml	~~1.25ml~~	~~25ml~~ TS 02/22/99	~~10ug/ml~~	Acetone B5485	2/22/99	~~08/01/99~~ 10/22/99		TS
S-9040	TCX/DCB	S-9039	↓	1.25ml	25 ml	10ug/ml	Hexane	2/22/99	8/22/99		TS
~~S-9041~~	~~Aroclor 1221~~	~~SUPELCO LA-59127~~	~~1000 ug/ml~~	–	TS 2/22/99		~~Isooctane~~	–	–	–	–
S-9041	Aroclor 1221	S-8144	1000 ug/ml	10 ul	100 ml	0.1 ug/ml	HEXA-B5985	2/22/99	8/22/99		TS
↓	tcx/dcb	S-9040	10 ug/ml	200 ul	↓	0.04 ug/ml	↓	↓	↓		TS
S-9042	Aroclor 1232 stock	Restek A007730	1000 ug/ml	–	–	–	HEXANE	–	10/99		TS
S-9043	Aroclor 1232	S-9042	↓	10 ul	100 ml	0.1 ug/ml	HEXANE-B5985	2/22/99	10/99		
↓	tcx/dcb	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		
S-9044	Aroclor 1242	S-8829	1000 ug/ml	10 ul	100 ml	0.1 ug/ml		2/24/99	10/22/99		
	TCX/DCB	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	HEX	↓	↓		
S-9045	Aroclor 1248	Restek A008913	1000 ug/ml	–	–	–	HEXANE	–	5/2000		
S-9046	Aroclor 1248	S-9045	↓	10 ul	100 ml	0.1 ug/ml	HEXANE-BT250	2/22/99	10/22/99		
	tcx/dcb	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		
S-9047	Toxaphene Mix	Restek A009196	1000 ug/ml	–	–	–	hexane	–	6/2000		
S-9048	Toxaphene	S-9047	↓	40 ul	100 ml	0.4 ug/ml	HEXANE-BT250	2/22/99	10/22/99		
↓	TCX/DCB	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		
S-9049	PIBK (Tcx/Dcb)	S-9040	10 ug/ml	200 ul	10 ml	0.02 ug/ml	HEXANE-BT250	2/22/99	10/22/99		TS
~~S-9050~~	~~tcx/dcb (Working~~	~~S-8949~~	~~200 ug/ml~~	~~1ml~~	~~20ml~~	~~10 ug/ml~~	~~Hex BT250~~	~~2/22~~	2/22/99		
S-9050	Pest A3 ICV Stock	Restek A010760	8.80 ng/ml	–	–	–	–	Opened 2-23-99	3/2001		GDH
S-9051	Pest B3 ICV Stock	Restek A009689	8.16 ng/ml	–	–	–	–	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S9021	PA/NY/NJ Pesticide spike	S9020	2.5/5.0/12.5 µg/mL	1.0 mL	100 mL	0.025/.05/.025 µg/mL	acetone BT455	2/10/99	8/3/99		DRH
S9022	PA/NY/NJ Pesticide Q spike	S9021	0.025/0.05/1.25 µg/mL	4.0 mL	100 mL	0.001/.002/0.05 µg/mL	acetone BT455	2/10/99	8/3/99		DRH
S9023	PA/NY/NJ Congener spike	S8812	0.08 µg/mL	10 mL	50 mL	0.016 µg/mL	acetone BT455	2/10/99	4/6/99		DRH
S9024	PA/NY/NJ Congener Q spike	S8812	0.08 µg/mL ~~1.0 mL~~	1.0 mL	80 mL	0.001 µg/mL	acetone BT455	2/10/99	4/6/99		DRH
S-9025	PA/NY/NJ Congener RB surrogate	S-8629	0.08 ug/ml	10.0 ml	100.0 ml	0.008 ug/ml	acetone BT455	2-11-99	8-11-99		JH
S-9026	PA/NY/NJ Pesticide surrogate	S-9007	0.6 ug/ml	10.0 ml	100.0 ml	0.06 ug/ml	acetone BT455	2-11-99	8-11-99		JH
S9027	Congener Q MS spike	S8812	0.08 µg/mL	12.5 mL	100.0 mL	0.01 µg/mL	acetone BT455	2/15/99	4/6/99		DRH
S-9028	AFCEE Pest M.S. MDL	S-9003	.125/.5/1.25 ug/ml	2.0 mL	50 mL	.01/.02/.05 ug/ml	MeOH BT116	2/16/99	8/16/99		JH
S-9029	Methyl Herb Mix	Chem Serv Lot: 211-101A	10-10,000 ug/ml	5.0 ml	—	—	—	2/16/99	7/31/99		[illegible]
S-9030	Picloram m.e.	Chem Serv Lot: 220-42A	100 ug/ml	5 ml	—	—	—		6/31/2000		
S-9031	Pentachloroanisole	Chem Serv Lot: 222-54A	100 ug/ml	5 ml	—	—	—		7/31/2000		
S-9032	DCAA m.e.	Chem Serv Lot: 211-103A	2000 ug/ml	5 ml	—	—	—		2/28/2000		
S-9033	Methylated Herbicide Std.								7/31/99		
	Herb Mix m.e.	S-9029	10-10,000 ug/ml	1 ml	10 ml	1-1000 ug/ml					
	Picloram	S-9030	100	1 ml		10					
	PCP	S-9031	100	100 ul		1					
	DCAA	S-9032	2000	50 ul		10					
S-9034	Chlordane	Restek A008942	1000 ug/ml	—	—	—		2/17/99	3/31/99		
S-9035	Chlordane	S-9034		10 ul	100 ml	0.10 ug/ml					
	tcx/dcb	S-8623	10 ug/ml	50 ul		0.005 ug/ml					
S9036	Chlordane	S-9034	1000	40 ul		0.4 ug/ml					
	tcx/dcb	S-8623	10	200 ul		0.02 ug/ml					

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
59010	2,4' DDD 32[illegible] Restek	A010764	1000µg/mL	—	—	—	methanol	opened 2/10/99	8/10/99		DRI
59011	2,4' DDT 32[illegible] Restek	A012353	↓	—	—	—	↓	↓	↓		DRI
59012	PA/NY/NJ additional pesticides stock	59008	1000µg/mL	50 µL	10.0 mL	5 µg/mL	Hexane BQ537	2/10/99	8/10/99		DR
↓	↓	59009	↓	100 µL	↓	10µg/mL	↓	↓	↓		↓
		59010		100 µL		↓					
		59011		100 µL		↓					
59013	INDD Conc 1	59012	5/10 µg/mL	5 µL	10 mL	0.0025/0.005 ~~0.005/0.01~~ µg/mL	Hexane Bi3 BS985	2/10/99	4/18/99		WE
↓	Surr	S-8623	10 µg/mL	20 µL	↓	0.02 µg/mL		↓	↓		↓
59014	INDD Conc 2	59012	5/10 µg/mL	40 µL	10 mL	0.02/0.04 µg/mL	↓				
↓	Surr	S-8623	10 µg/mL	20 µL	↓	0.02 µg/mL					
59015	INDD Con 3	S-9012	5/10 µg/mL	200 µL	25 mL	0.04/0.03 µg/mL					
↓	Surr	S-8623	10 µg/mL	50 µL	↓	0.02 µg/mL					
59016	INDD Conc 4	S-9012	5/10 µg/mL	120 µL	10 mL	0.06/0.12 µg/mL					
↓	Surr	S-8623	10 µg/mL	20 µL	↓	0.02 µg/mL					
59017	INDD Conc 5	S-9012	5/10 µg/mL	160 µL		0.08/0.16 µg/mL					
↓	Surr	S-8623	10 µg/mL	20 µL	↓	0.02 µg/mL	↓	↓	↓		↓
59018	Endosulfan sulfate Restek 32223	A005824	1000 µg/mL	—	—	—	methanol	opened 2/10/99	8/10/99		D
59019	Endo I stock Restek 32221	A005820	↓	—	—	—	↓	↓	↓		
59020	PA/NY/NJ Pesticide Spike stock	59012	5/10 µg/mL	2.5 mL	5.0 mL	2.5/5.0 µg/mL	acetone / hexane BP874 / BS985	2/10/99	8/3/99		D
↓	↓	59018	1000 µg/mL	12.5 µL	↓	2.5 µg/mL	↓	↓	↓		
		59019	1000 µg/mL	25.0 µL		5.0 µg/mL					
		58915	25/50/125 µg/mL	500 µL		2.5/5.0/12.5 µg/mL					

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8990	Pem Conc	Restek A011489	1-25 ug/ml	—	—	—	—	1/15/99	7/15/99		JC
S-8991	Pem Working	S-8990	50 ug/ml ~~0.01~~ ↓	1 ml	100 ml	0.01-0.25 ug/ml		d	d		d
S-8992	EDB/DBCP Con 1	S-8716	0.4 ug/ml	3 ul	Final conc. mg/ml 34.3	Final vol. 35 ml	DI H_2O	1/18/99	1/19/99		JC
S-8993	2	↓	↓	5	57.1	↓	↓	↓	↓		↓
S-8994	3	↓	↓	10	114.0	↓	↓	↓	↓		↓
S-8995	4	↓	↓	15	171.0	↓	↓	↓	↓		↓
S-8996	5	↓	↓	25	286.0	↓	↓	↓	↓		↓
S-8997	2,4,5-TCP	Restek #32017 Lot# A009756	1000 ug/ml	+1.0 ml	+1.0 ml	1000 ug/ml	—	—	9/2000		GG
S-8998	"	S-8997	1000 ug/ml	10 ul	1.0 ml	10 ug/ml	Hex BQ537	1/20/99	7/20/99		↓
S-8999	" Flor. Gol. Check	S-8998	10 ug/ml	10 ul	1.0 ml	0.1 ug/ml	Hex ↓	1/20/99	7/20/99		↓
S-9000	Pest Surr. Stock CLPD.S90	Lot # W98060405 Protocol	200 ug/ml	—	—	—	Hex / Acetone	1/25/99	7/25/99		JH
S-9001	Pest Surrogate	S-9000	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone BP874	↓	↓		↓
S-9002	PCB M.S.	S-8958	1000 ug/ml	1.0 ml	200 ml	5.0 ug/ml	~~Hexane~~ Acetone BP874 JH 1/25/99	↓	↓		↓
↓		S-8959	↓	↓	↓	↓	↓	↓	↓		↓
S-9003	AFCEE Pest M.S.	S-8915	.25/.50/1.25 ug/ml	2.0 ml	200 ml	.25/.50/1.25 ug/ml	MeOH (BT116)	2-3-99	8-3-99		JH
S-9004	#2 Fuel Oil	Supeko LA-65051	20 mg/mL	1 mL	1 mL	20 mg/mL	methanol	2-9-99	3/00		JH
S-9005	#2 Fuel Oil HH	S-9004	↓	↓	10 mL	2000 ug/ml	$MeCl_2$ / BT442	↓	8-9-99		↓
	C28	S-8962	2000 ug/mL	2 mL	↓	400 ug/mL	↓	↓	↓		↓
S9006	PCB QLCS	S9002	5.0 µg/mL	10.0 mL	100.0 mL	0.5 µg/mL	acetone BP874	2/9/99	7/25/99		DR
S9007	Pest. Surrogate	S9000	200 µg/mL	0.6 mL	200 mL	0.6 µg/mL	acetone BP874	2/9/99	7/25/99		DR
S9008	Transnonachlor 32537 Restek	A011543	1000 µg/mL	—	—	—	methanol	opened 2/10/99	8/10/99		DR
S9009	2,4' DDE 32019 Restek	A010765	↓	—	—	—	↓	↓	↓		DR

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final wt/vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8983	Aroclor 1016/1260 Conc4	S-8979	1000 µg/mL	100 µL	100 mL ~~1.0 µg/mL~~	1.0 µg/mL	Hexane B&J BQ537	1/13/99	4/12/99	Reverif. 4/14/99 Exp. 7/12/99	WEM
↓	Pest Surr	S-8623	10 µg/mL	500 µL	100 mL	0.05 µg/mL	↓	↓	↓	↓	↓
S-8984	Aroclor 1016/1260 Conc5	S-8979	1000 µg/mL	200 µL	100 mL ~~2.0 µg/mL~~	2.0 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	1000 µL	100 mL	0.1 µg/mL	↓	↓	↓	↓	↓
S-8985	PEM Stock	Protocol Lot R9301120006	1-25 µg/ml	–	–	–	–	Opened 1-13-99	7-13-99		SDH
S-8986	PEM Working	S-8985	1-25 µg/ml	1.0 ml	100 ml	0.01-0.25 µg/ml	Hex BQ537	1-13-99	7-13-99		↓
S-8987	Herb Mix Methyl Esters	Protocol Lot#W980611006						1/15/99	7/15/99		JCL
	2,4-D		100 ug/ml					↓	↓		↓
	2,4,5-TP		10					↓	↓		↓
	Dalapen		250					↓	↓		↓
	Dicamba		10					↓	↓		↓
	Dinoseb		50					↓	↓		↓
	2,4-DB		100					↓	↓		↓
	2,4,5-T		10					↓	↓		↓
	Dichloroprop		100					↓	↓		↓
	MCPP & MCPA		10000					↓	↓		↓
S-8988	Herb Std							1/15/99	5/30/99 ~~2/28/99~~	JA 1/15/99	↓
	PCP	S-8904	100 ug/ml	100 ug/ml	10 ml	1 ug/ml		↓	↓		↓
	Picloram	S 8905	↓	1000 ml	↓	10 ug/ml		↓	↓		↓
	Herb Mix	S-8987	10-10,000 ug/ml	1 ml	↓	1 → 1000 ug/ml		↓	↓		↓
	DCAA	S-8989	1000 ug/ml	100 ul	↓	10 ug/ml		↓	↓		↓
S-8989	DCAA	Protocol Lot R9810150320	1000 ug/ml	~~100 ul~~ JA 1/15/99				1/15/99	7/15/99		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8967	Diesel ML	S-8964	2000/400 ug/mL	1.0mL	10.0mL	200/40 ug/mL	MeCl2 BT442	010999	070999		TD
S-8968	Diesel LL	S-8964	↓	0.25 mL	10.0mL	50/10 ug/mL	↓	↓	↓		↓
S-8969	Diesel Standard	ultra L0691	5000 ug/mL	2.5mL	2.5mL	5000 ug/mL	MeCl2	010999	06/99		TD
S-8970	Diesel ICV	S-8969	5000 ug/mL	2.5mL	25.0mL	500 ug/mL	MeCl2 - BT442	010999	070999		TD
	C28 -	S-8961	2000 ug/mL	1.25mL	25.0mL	100 ug/mL	MeCl2 - BT442	↓	↓		TD
S-8971	Motor oil Std	Restek A010155	50000 ug/mL	1mL	1mL	50000 ug/mL	MeCl2	010999	1/01		JMA
S-8972	m.o. HH	S-8971	↓	↓	25mL	2000 ug/mL	MeCl2/BT442	↓	070999		↓
	C26	S-8962	2000 ug/mL	5mL	↓	400 ↓	↓	↓	↓		↓
S-8973	m.o. MH	S-8972	↓ 200/400 ug/mL	5mL	10mL	1000/200 ug/mL	MeCl2/BT442	010999	070999		JMA
S-8974	m.o. MM	↓	↓	6.25mL	25mL	500/100 ug/mL	↓	↓	↓		↓
S-8975	m.o. ML	↓	↓	1mL	10mL	200/40 ug/mL	↓	↓	↓		↓
S-8976	m.o. LL	↓	↓	.250mL	10mL	50/10 ug/mL	JMA 010999 ↓	↓	↓	JMA 032099	↓
S-8977	m.o. ICV	S-8298	2000/400	6.25mL	25mL	500/100 ug/mL	MeCl2/BT442	010999	082598 ~~070999~~	6/17/99	JMA
S-8978	Aroclor 1254 Conc1	S-8148	1000 µg/mL	10 µL	100 mLs	0.1 µg/mL	Hexane/BQ537	1/12/99	7/~~4~~/12/99		WEM
↓	TCX/DCB (Pest Surr)	S-8623	10 µg/mL	200 µL	↓	0.02 µg/mL	↓ B&J	↓	WEM 4/14/99 ↓		↓
S-8979	Aroclor 1016/1260	Restek Lot# A011442	1000 µg/mL	—	—	—	Hexane	1/13/99	6/1/01		WEM
S-8980	Aroclor 1016/1260 Conc1	S-8979	1000 µg/mL	10 µL	100 mLs	0.1 µg/mL	Hexane B&J BQ537	1/13/99	4/12/99	Reverified 4/14/99 Exp 7/12/99	WEM
↓	Pest Surr	S-8623	10 µg/mL	50 µL	↓	0.005 µg/mL	↓	↓	↓	↓	↓
S-8981	Aroclor 1016/1260 Conc2	S-8979	1000 µg/mL	20 µL	100 mLs	0.2 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	100 µL	↓	0.01 µg/mL	↓	↓	↓	↓	↓
S-8982	Aroclor 1016/1260 Conc3	S-8979	1000 µg/mL	40 µL	↓	0.4 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	200 µL	↓	0.02 µg/mL	↓	↓	↓	↓	↓

Reviewed by: [signature]

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date
S-8949	TCX/DCB Stock	Reviole#32000 Lot: A011334	200ug/ml	1.0 ml	1.0 ml	200ug/ml	acetone	—	8/01	
S-8950	Pest CLP Surr Spk	S-8949	200ug/ml	0.5 ml	500 ml	0.2 ug/ml	Lot# BP874 acetone	12/25/98	6/25/99	
S-8951	Herb. Surrogate	S-8868	2000 ug/mL	1.0 mL	100.0 mL	20 ug/mL	acetone BP874	12/30/98	6/30/99	
S-8952	Client Mineral Oil	—	Neat	—	—	—	—	12/30/98	6/30/99	
S-8953	Client min. oil STD	S-8952	Neat	1.25g	25 mL	50,000 ug/mL	Toluene BC608	12/30/98	6/30/99	
S-8954	Client min. oil HH	S-8953	50,000 ug/mL	1 mL	25 mL	2000 ug/mL	MeCl2/BT442	↓	↓	
S-8955	CLP MS Stock CLPP-MS91	Protocol Lot W980526004	50ug/ml, 100ug/ml	—	—	—	MeOH (BT116)	1/5/99	7/5/99	
S-8956	Pest Surr. Stock	Protocol Lot W980804005	200 ug/ml	—	—	—	Hexane/Acetone	1/5/99	7/5/99	
S-8957	GPC Pest ✓ Sol.	S-8955	50ug/ml, 100ug/ml	1.0 ml	500 ml	0.1, 0.2 ug/ml	MeCl2	1/5/99	7/5/99	
		S-8956	200 ug/ml	250 mL	500 ml	0.1 ug/ml	MeCl2	1/5/99	7/5/99	
S-8958	PCB 1260H	Protocol Lot C181105809	1000 ug/ml	—	—	—	Hexane	1/5/99	7/5/99	
S-8959	PCB 1016H	Protocol Lot W980301007	1000 ug/ml	—	—	—	Hexane	1/5/99	7/5/99	
S-8960	GPC PCB ✓ Sol	S-8958	1000 ug/ml	0.1 ml	500 ml	0.2 ug/ml	MeCl2	1/5/99	7/5/99	
		S-8959	1000 ug/ml	0.1 ml	500 ml	0.2 ug/ml	MeCl2	1/5/99	7/5/99	
		S-8956	200 ug/ml	625 mL	500 ml	0.25 ug/ml	MeCl2	1/5/99	7/5/99	
S-8961	C28 stock	Sigma 83H0685	99%	.05g	25 mL	2000 ug/mL	MeCl2/BT442	1/9/99	7/9/99	
S-8962	C28 stock	Chem Serv 154-63A	99%	.05g	25 mL	2000 ug/mL	↓	↓	↓	
S-8963	Diesel Standard	Ultra M-0493	50,000 ug/mL	2.0 mL	2.0 mL	50,000 ug/mL	MeCl2	010999	~~040799~~ 04-02	010999
S-8964	Diesel HH	S-8963 ~~S-8963~~ 010999	↓	↓	50.0 mL	2000 ug/mL	MeCl2/BT442	↓	070999	
		S-8962	2000 ug/mL	10.0 mL	↓	400 ug/mL	↓	↓	↓	
S-8965	Diesel MH	S-8964	400/2000 ug/mL	5.0 mL	10.0 mL	1000/200 ug/mL	↓	↓	↓	
S-8966	Diesel MM	S-8964	400/2000 ug/mL	6.25 mL	25.0 mL	500/100 ug/mL	↓	↓	↓	

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8847	Cmix Con 4 DCPA	S-8839	100 ug/ml	120 ul	100 ml	120 pg/ml	Hex. BR030	10/16/98	2/6/99		[illegible]
	Stock Mirex	S-8840	↓	↓	↓	↓	↓	↓	↓		↓
	Chlorbenside	S-8843	↓	↓	↓	↓	↓	↓	↓		↓
	tex/dcb	S-8672	10 ug/ml	60 ul	↓	60 pg/ml	↓	↓	↓		↓
S-8848	Cmix Con 5 DCPA	S-8839	100 ug/ml	160 ul	↓	160 pg/ml	↓	↓	↓		↓
	Stock Mirex	S-8840	↓	↓	↓	↓	↓	↓	↓		↓
	Chlorbenside	S-8843	↓	↓	↓	↓	↓	↓	↓		↓
	tex/dcb	S-8672	10 ug/ml	80 ul	↓	80 pg/ml	↓	↓	↓		↓
~~S-8849~~	~~Cmix Con 1~~	~~S-8844~~	~~5-10 ug/ml~~	~~100 ul~~	↓	~~0.005-0.01 ug/ml~~	↓	↓	↓		↓
~~S-8850~~	~~2~~	~~S-8845~~	~~20-40~~	↓	↓	~~0.02-0.04 ug/ml~~	↓	↓	↓		↓
~~S-8851~~	~~3~~	~~S-8846~~	~~40-80~~	↓	↓	~~0.04-0.08~~	↓	↓	↓		↓
~~S-8852~~	~~4~~	~~S-8847~~	~~60-120~~	↓	↓	~~0.06-0.12~~	↓	↓	↓		↓
~~S-8853~~	~~5~~	~~S-8848~~	~~80-160~~	↓	↓	~~0.08-0.16~~	↓	↓	↓		↓
S8854	Pest. Surr. stock	Supelco LA74646	200 µg/mL	1.0 mL	–	–	acetone	[illegible]	4/19/99		[illegible]
S8855	Pesticide surrogate	8854	200 µg/mL	750 µL	250.0 mL	0.6 µg/mL	acetone BP874	4/19/98	4/19/99		[illegible]
S-8856	Aroclor 1221 (0.1 ug/ml)	~~Restek~~ S-8144	1000 ug/ml	10 ul	100 ml	0.1 ug/ml	Hex. BR030	10/20/98	2/6/99		[illegible]
	tex/dcb	S-8672	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		↓
S-8857	Aroclor 1221 (0.2 ug/ml)	S-8144	1000 ug/ml	20 ul	↓	0.2 ug/ml	↓	↓	↓		↓
		S-8672	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		↓
S-8858	OP Pest Mix	Chemserve 211-22B	1000 ug/mL	5 mL	5 mL	1000 ug/mL	Hexane	10/22/98	12/99		[illegible]
S-8859	Triphenylphosphate	Restek A011017	↓	1 mL	1 mL	↓	Acetone	↓	7/99		
S-8860	Tributylphosphate	Restek A010802	↓	1 mL	1 mL	↓	Acetone	↓	3/99		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date
S-8915	NSI Q-7130 QC Pest. stock	Q-7130	mg/mL 25/50/125	—	—	—	methanol	[illegible]	11/98	[illegible]
S-8916	AFCEE Pest. MS	S-8915	mg/mL 25/50/125	1.0 mL	100.0 mL	.25/50/1.25 mg/mL	acetone BP874	12/1/98	6/1/99	
S-8917	Surrogate TCX/DCA	8672	10ug/ml	—	5mL	0.16mg/mL	HEXANE BR072	12/6/98	2/1/99	
S-8918	PEM stock	Restek LOT A010112	1-25ug/ml	—	—	—	HEX BR072	12/6/98	4/6/99	
S-8919	PEM working	S-8918	↓	1ml	100ml	0.01-0.25ug/ml	↓	↓	↓	
S-8920	RESC stock	Restek LOT A000152	1-10 ug/ml	—	—	—	↓	↓	↓	
S-8921	Resc working	S-8920	↓	1ml	100ml	0.01-.1ml/ml	↓	↓	↓	
S-8922	Pesticide surrogate	S-8901	2000 mg/mL	750µL	250 mL	0.6 mg/mL	acetone BP874	12/7/98	5/27/99	
S-8923	OTP surrogate	S-8496	100mg/mL	5.0mL	25.0mL	20mg/mL	acetone BP874	12/8/98	11/27/98	6/8/99
S-8924	C28 Surrogate	Sigma 83M0655	99%	250mg	500mL	500 ug/mL	80:20 Ac Ac Cl	12/15/98	6/15/99	
S-8925	AFCEE Pest. MS	S-8915	mg/mL 25/50/125	1.0mL	100.0mL	.25/50/1.25 mg/mL	acetone BP874	12/15/98	6/1/99	
S-8926	PAH/GC 610 surr.	S-8559	2000 mg/mL	1.0mL	100.0mL	20 mg/mL	acetone BP874	12/16/98	10/1/98	3/16/98
S-8927	Pest MixA	Supelco LA-78091	5-50ug/ml	2ml	—	—	HEX/Toluene	—	—	
S-8928	MixA6	S-8927	↓	0.04ml	100ml	0.002-.02 ug/ml	BA537 HEXANE	12/17/98	7/17/99	
S-8929	MixA1	↓	↓	0.1ml	↓	0.005-.5ug/ml	↓	↓	↓	
S-8930	MixA4	↓	↓	1.2ml	↓	.06-.6ug/ml	↓	↓	↓	
S-8931	Pest MixB	Supelco LA75166	5-10ug/ml	2ml	—	—	HEX/Toluene	—	—	
S-8932	MixB6	LA-78090 S-8931	0.05ug/ml	0.05ml	100ml	0.0025-.005ug/ml	BA537 HEX	12/17/98	7/17/99	
S-8933	MixB1	S-8931	↓	0.1ml	↓	0.005-0.01ug/ml	↓	↓	↓	
S-8934	MixB4	↓	↓	1.2ml	↓	0.06-.12ug/ml	↓	↓	↓	
S-8935	MixA5	S-8927	5-50ug/ml	1.6ml	100ml	0.08-0.8ug/ml	BA537 HEXANE	↓	↓	
S-8936	MixA2	S-8927	↓	0.4ml	↓	002-.2ug/ml	↓	↓	↓	

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date
S-8818	p-chlorophenylmethyl-sulfide	Neat 986	—		—			[illegible]		
S-8819	p-chlorophenyl methyl-sulfoxide	S-8814	Neat	.05g	10mls	5000ug/ml	Toluene/BR608	10-6-98	4/6/99	
S-8820	p-chlorophenylmethyl-sulfone	S-8815	Neat	.05g	10mls	5000ug/ml	Toluene/BR608			
S-8821	1,4-Diathiane	S-8816	Neat	.05 mls	10mls	5000ug/ml	Toluene/BR608			
S-8822	1,4-oxathiane	S-8817	Neat	.05 mls	10mls	5000ug/ml	Toluene/BR608	10-6-98	4-6-99	
S-8823	p-chlorophenylmethyl-sulfide	S-8818	Neat	.05g	10mls	5000ug/ml	Toluene/BR608	10-6-98	4-6-99	
S-8824	Stockton Diesel MS	S-8780	50,000 ug/ml	1mL	100mL	500 ug/mL	80:20 BR874: ACE:MeCl2 BR759	10-7-98	3-10-99	
S-8825	C28 Surrogate	Sigma Lot # 83H0085	99%	250mg	500mL	80:20 ACE:MeCl2	500ug/mL	10-7-98	4-7-99	
S-8826	AFCEE Pest MS	S-8467	25/50/125 ug/ml	2.0ml	200ml	.25/.5/1.25 ug/ml	MeOH/BS081	10/7/98	1/7/98	
S-8827	PCB Cong. ICV	S-8812	0.08 µg/ml	1.0ml	10ml	0.008 µg/ml	Hex/BR030	10/13/98	4/13/99	
~~S-8828~~	~~C10-C28 MS~~	~~S-8610~~	~~10000~~						1/9/99	
S-8828	OTP SURR	S-8610	10,000 ug/mL	200uL	100mL	20 ug/mL	MeOH/BS633	10/13/98	1/9/99	
S-8829	Aroclor 1242	Restek A011441	1000 ug/ml	—	—	—	Hexane	10/13/98	6/2001	
S-8830	Aroclor 1242	S-8829	↓	10ul	100ml	0.1 ug/ml	Hex. BR030		2-6-99	
	tox/dch	S-8672	10 ug/ml	200ul	↓	0.02 ug/ml	↓ ↓		↓	
S-8831	Pest Std B Mix	Supelco LA78090	5-10 ug/ml	—	—	—	Hex: Toluene		4/13/99	
S-8832	Pest B ICV	S-8831	↓	0.8ml	100ml	0.04-0.08 ug/ml	Hex. BR030	↓	↓	
S-8833	Herb MS									
	PCP ~~PCA~~ Stock	S-~~8649~~ 8323	100µg/ml	400µl	25ml	1.6µg/ml	MeOH	10/14/98	4/14/99	
	Picloram Stock	S-8834	1000µg/ml	400µl	↓	16µg/ml	↓	↓	↓	
↓	Herb Mix	S-~~8754~~ 8835	10-10,000µg/ml	4.0ml	↓	1.6-1600µg/ml	↓	↓	↓	
S-8834	Picloram Stock	Restek Lot# A009489	1000 µg/ml	—	—	—	MeOH	10/14/98	2/99	

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8811	PCB Dev Stock	—	1.6ug/ml	—	—	1.6ug/ml	hexane	10/1/11	4/1/99		PAD
	PCB Congener Calibrat Soln	S 8795	100.ug/ml	160 ul	10 ml						
	233446 HCBP Soln	S 8796	100 ug/ml	160 ul							
	22345 PCBP Soln	S 8797	35 ug/ml	460 ul							
	2345 TCBP Soln	S 8798	35 ug/ml	460 ul							
	22344666 HCBP Soln	S-8799	35 ug/ml	460 ul							
	233445 HCBP Soln	S-8800									
	22344556 HCBP Soln	S-8801									
	TCX Surr Soln	S-7789	200ug	80.ul							
S-8812	Congener's Matrix Spike	—	—	—	—	.08 ug/ml	MEOH	10/6/98	4/6/99		SB
		S-8797	35 ug/ml	230 ul	160 ml	.08 ug/ml	MEOH	10/6/98	4/6/99		SB
		S-8800									
		S-8801									
		S-8798									
		S-8799									
		S-8795	100 ug/ml	80.ul							
	33445 55 HCBP	BE 169	35 ug/ml	230 ul							
S-8813	Cal Acid Surr	Supelco 4460 LA-74646 SRM Kathy	200ug/ml	0.5ml	500ml	0.2ug/ml	MeOH UN1230	10/6/98	4/6/99		
S-8814	p-chlorophenylmethyl-sulfide	Neat 99	→ —	—	—	—	—	10-6-98			
S-8815	p-chlorophenylmethyl-sulfone	Neat 99.9%	→ —	—	—	—	—	10-6-98			
S-8816	1,4-Dithiane	Neat 99.8	→ —	—	—	—	—	10-6-98			
S-8817	1,4-oxathiane	Neat 99.1	→ —	—	—	—	—	10-6-98			

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S 8798	2,2,4,5 TCBP MIX	EM SCI LA A20406510	35 ug/ml	—	—	35 ug/ml	isooctane	1.13.98	3/25/98		DR
S 8799	2,2,3,4,4,6,6 HCBP MIX	EM SCI LA A10902253	35 ug/ml	—	—	35 ug/ml	isooctane	1.13.98			
S 8800	2,3,3,4,4,5 HCBP MIX	EM SCI LA A7010360	35 ug/ml	—	—	35 ug/ml	isooctane	1.13.98			
S 8801	2,2,3,4,4,5,6 HCBP MIX	EM Science LA 0116-362	35 ug/ml	—	—	35 ug/ml	isooctane	1.13.98	3/25/98		
S 8802	Congener Matrix spike				100 ml	0.08 mg/ml	Acetone Bp274	1/25/98	1/25/99		DR
S 8803	PCB Congener Cal Chk Sol'n	ultra Scientific LA M-1822	.2 ug/ml	—	—	.2 ug/ml	Isooctane	10/1/98	4/1/99		JDA
S 8804	2,2,3,4,5 PCBP Sol'n	ultra sci. LA 5649A	100 ug/ml	—	—	100 ug/ml	Hexane				
S 8805	2,2,3,4,4,5,6 HCBP Sol'n	ultra sci. LA 1224	100 ug/ml	—	—	100 ug/ml					
S 8806	2,3,3',4,4',5 HCBP Sol'n	ultra Sci LA K-0293		—	—						
S-8807	2,2,4,5 TCBP Sol'n	ultra sci. LA L-5100		—	—						
S-8808	2,3,4,4',5,5' HCBP Sol'n	LA M-0193		—	—						
S-8809	2,2,3,4,4,6,6 HCBP Sol'n	LA K0844		—	—						
S-8810	Congener Stock	—	—	—	—	—	—				
	PCB C. Cal Chk mix	S-8803	.2 ug/ml	3.2 ml	10 ml	.064 ug/ml	Hexane				
	2,2,3,4,5 PCBP Sol'n	S 8804	100 ug/ml	6.4 ml							
	2,2,3,4,4,5,6 HCBP Sol'n	S 8805									
	2,3,3',4,4',5 HCBP Sol'n	S-8806									
	2,2,4,5 TCBP Sol'n	S 8807									
	2,3,4,4',5,5' HCBP Sol'n	S-8808									
	2,2,3,4,4,6,6 HCBP Sol'n	S-8809									
	TCX Surr mix	S-7189	200 ug/ml	3.2 ml							

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Ini
S-8777	PEM STD	RESTEK A010112	1-25 ug/ml	1 ml	—	—	HEXANE BRO30	9/11/98	11/00		T.
S-8778	PEM working	S-8777	↓	↓	100 ml	0.01-0.25 ug/ml	↓	↓	3/10/99		↓
S-8779	Diesel	Getty Neat	—	—	—	—	—	9/10/98	9/10/00		8
S-8780	Diesel Stock	S-8779	Neat	1.25 g	25 mL	50,000 ug/ml	Toluene/[illegible] 80:20 BP834: ACE:MeCl2 B0159	9/10/98	3/10/99		
S-8781	Diesel MS	S-8780	50,000 ug/ml	5 mL	100 mL	2500 ug/ml		↓	↓		8
S-8782	motor oil MM	S-8605	2000 ug/ml 400 ug/ml	5 mL	20 mL	500 ug/ml 100 ug/ml	MeCl2/B5759	9/11/98	12/21/98		
S-8783	~~Surrogate (TCX/DCB)~~	Restek A010877	200 ug/ml	—	5 ml 9/14/98	—	Acetone	09/14/98	3/01		
S-8785	PIBK	S-8623	10 ug/ml	200 ul	100 ml	0.020 ug/ml 0.020 ug/ml	HEXANE BRO30	9/14/98	3/14/99		T.
S-8784	Fuel oil #6 Gross LA-[illegible]	Supelco [illegible]	20 mg/ml	—	—	24 mg/ml	Hexane/Mecl2	opened 9-16-98	6/99		
S-8785	Fuel oil #6 Surrogate LL	S-[illegible] S-8307	20,000 ug/ml 200 ug/ml	25 ml 50 ml	10 ml	50 mg/ml 1 mg/ml	Mecl2	9-16-98	12/17/98	9-012458 12/14/98	
S-8786	ML	↓	↓	10 ml 20 ml	↓	20 mg/ml 40 mg/ml	↓	↓	↓		
S-8787	MM			25 ml 50 ml		50 mg/ml 100 mg/ml					
S-8788	MH			50 ml 100 ml		100 mg/ml 200 mg/ml					
S-8789	HH	↓	↓	100 ml 200 ml	↓	200 mg/ml 400 mg/ml	↓	↓	↓		
S-8790	Pest Std A Mix	Supelco [illegible]-18091	5-50 ug/ml	—	—	—	NA	9/17/98	3/17/99		
S-8791	Pest Std A Con 5	S-8790	↓	1.6 ml	100 ml	0.08-0.8 ug/ml	Hexane/BRO30	↓	3/17/99		
S-8792	Diesel MM	S-8635	2000 ug/ml	20 ml 5 ppm 9/14/98	100 ml	500 ug/ml	MeCl2/B5759	9/19/98	1-17-99		
S-8793	Pest. Surr. Mix Cat. 32000 Restek A010877	Restek A010877	200 ug/ml	—	1.0 ml	—	acetone	9/24/98	3/01		
S-8794	Pesticide Surrogate	S-8793	200 ug/ml	750 ul	250 ml	0.6 ug/ml	acetone B1874	9/24/98	3/24/99		
S-8795	PCB Cal Chk Soln	EM Sci UM A1060335	100 ug/ml	—	—	100 ug/ml	acetone	9/25/98	3/25/99		
S-8796	23,446 HCBP MIX	EM Sci # 095-320	100 ug/ml	—	—	100 ug/ml	isooctane	9/25/98	↓		
S-8797	2,2,3,4,5 PCBP MIX	EM Sci UM A9070318	35 ug/ml	—		35 ug/ml	isooctane	9/25/98	↓		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Ini
S-8759	1:1 H_2SO_4	S-8706	95.9%	500ml	1 L	1:1	DDI H_2O	9/1/98	3/1/99		JH
S-8760	Stockton MDL LCS	S-8710	500µg/mL	5.0mL	50.0mL	50µg/mL	acetone BP874	9/1/98	10/11/98		DR
S-8761	PCB MDL LCS	S-8459	5.0µg/mL	5.0mL	50.0mL	0.5µg/mL	acetone BP874	9/1/98	11/8/98		DR
S-8762	Malathion	Chemservice Lot 209-613	100 µg/ml	10ml	—	100 µg/ml	NA	9/1/98	10/99		[illegible]
S-8763	OP Pest Mix	Restek A011368	200 µg/ml	5ml	—	200 µg/ml	↓	↓	5/99		
S-8764	Triphenylphosphate	Restek A011619	1000 µg/ml	5ml	—	1000 µg/ml	↓	↓	7/99		
S-8765	Tributylphosphate	Restek A010802	1000 µg/ml	5ml	—	1000 µg/ml	↓	↓	3/99		
S-8766	OP Pest Std							↓	3/31/99		
↓	Malathion	S-8762	100 µg/ml	6.25ml	25ml	25 µg/ml	Hex./BR030	↓	↓		
	OP Pest Mix	S-8763	200 µg/ml	3.125ml	↓	↓	↓	↓	↓		
	Triphenylphosphate	S-8764	1000 µg/ml	625 ul	↓	↓	↓	↓	↓		
↓	Tributyphosphate	S-8765	↓	↓	↓	↓	↓	↓	↓		(
S-8767	Pest JH 9/2/98 ~~PAH~~ MDL LCS	S-8661	.25/.5/1.25 µg/ml	2.0ml	50ml	.01/.02/0.05 µg/ml	MeOH BS633	9/2/98	3/2/99		J
S-8768	PAH/GC MDL LCS	S-8693	20µg/ml	2.5ml	50ml	1.0µg/ml	MeOH BS633	9/2/98	3/2/99		JI
S-8769	PAH/GC 610 surr.	S-8559	2000µg/mL	1.0mL	100.0mL	20µg/mL	acetone BP874	9/3/98	10/1/98	12/3/98	DR
S-8770	608 MS Stock	Restek A009476	200µg/mL	—	—	—	1:1 toluene/hexane	9/4/98	8/31/2000		DR
S-8771	608 MS spike	S-8770	200µg/mL	300µL	100.0mL	0.6µg/mL	MeOH BS633	9/4/98	3/4/99		D
S-8772	608 MDL LCS spike	S-8771	0.6µg/mL	1.0mL	50.0mL	0.012µg/mL	MeOH BS633	9/4/98	3/4/99		D
S-8773	8 HERB LOW LEVEL QC SPIKE	S-8753	PCP 1.6 ug/ml Picloram 1.6 ug/ml HERB mix 1.6 ug/ml	5.0mL	50.0mL	PCP .66 ug/ml Picloram .66 ug/ml HERB mix .66 ug/ml	ACE/Hex/BP874/BR030	9-8-98	2-27-99 ~~3-8-98~~	[illegible]	AK
S-8774	APCCE 8370 MS	Accustandard A8070417	100µg/mL	—	—	—	MeOH : $MeCl_2$ 4:1	opened 9/8/98	3/8/99		DR
S-8775	Diesel stock	NSI Lot # W-1361	50,000 µg/mL	3mL	3mL	50,000 µg/mL	—	9/9/98	08/00		[illegible]
S-8776	Diesel MS	S-8775	50,000 µg/mL	2.5mL	50mL	2500 µg/mL	80:20 BP874: ACE:$MeCl_2$ BS759	9/9/98	3/9/99		[illegible]

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EA Laboratories — SEMI-Volatiles Lab Standards Logbook

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Initi
S-8691	PAH ICV	S-8647	1000 ug/mL	200 uL	10 mL	20 ug/mL	$MeCl_2$ / BR741	8-8-98	11-4-98		JA
	1-methyl naphthalene	S-7949	2000 ug/mL	100 uL	↓	↓	↓	↓	↓		↓
	2-bromo naphthalene	S-8553	20,000 ug/mL	10 uL	↓	↓	↓	↓	↓		
S-8692	PAH ~~MS~~ JMM 8/18/98 stock	Ultra Lot# L-1579	1000 ug/mL	3 mL	3 mL	1000 ug/mL	$MeCl_2$	8-8-98	2-8-99		JA
S-8693	PAH MS.	S-8692	↓	2 mL	100 mL	20 ug/mL	Acetone/BR824	↓	11-4-98		↓
	1-methyl naphthalene	S-7949	2000 ug/mL	1 mL	↓	↓	↓	↓	↓		
S-8694	motor oil stock	Restek Lot # A008830	50,000 ug/mL	2 mL	2 mL	50,000 ug/mL	$MeCl_2$	8-8-98	2-8-99		JA
S-8695	motor oil HH	S-8694	↓	1 mL	25 mL	2000 ug/mL	$MeCl_2$/BR741	8-8-98	12-21-98		
	C_{26}	S-8583	2000 ug/mL	5 mL	↓	400 ug/mL	↓	↓	↓		
S-8696	motor oil MM	S-8695	2000 ug/mL	5 mL	20 mL	JMM 8/18/98 # 500 ug/mL	$MeCl_2$/BR741	8-8-98	12-21-98		
↓	C_{28}	↓	400 ug/mL	↓	↓	100 ug/mL	↓	↓	↓		
S-8697	PCB Congener Mix	Ultra Scientific	0.2 µg/ml	-	-	-	Isooctane	8-10-98	2-10-99		G
S-8698	BZ # 87	Ultra Scientific	100 µg/ml	-	-	-	↓	↓	↓		
S-8699	BZ # 183	Ultra Scientific	↓	-	-	-	↓	↓	↓		
S-8700	PCB Congener ICV Stock	S-8697	0.2 µg/ml	4.0 ml	10 ml	0.08 µg/ml	Hex BR030	↓	↓		
↓	↓	S-8698	100	8 µl	↓	↓	↓	↓	↓		
		S-8699	100	8 µl							
		S-8685	35	23 µl							
		S-8683	↓	↓							
		S-8687									
		S-8684	↓	↓	↓	↓	↓	↓	↓		
		S-7789	200	4 µl							

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-8679	Mirex/HCB Con 4	S-8675	10 µg/ml	120ml	10ml	0.12 µg/ml	Hex BR030	8/6/98	10/1/98		[illegible]
S-8680	Mirex/HCB Con 5	d	d	160ml	d	0.16 µg/ml	d d	d	d		d
S-8681	PCB Cong MIX	EM Science #A7080525	100 µg/ml	1ml	—	—	Acetone	—	Apr 1, 1999		TS
S-8682	BZ # 183	EM Science 011-362	35 µg/ml		—	—	Isooctane				
S-8683	156	EMA7080360			—	—					
S-8684	184	EM071-158			—	—					
S-8685	49	EM037-049			—	—					
S-8686	87	EMA8070238			—	—					
S-8687	169	EM096-108			—	—					
S-8688	TCX	ICESTER A009032	200 µg/ml	—	—	—	Acetone	—	5/2000		
S-8689	Congener Stock	—	—	—	—	—	—	—	—		
~~S-8690~~	PCB Cong MIX	S-8681	100 µg/ml	160ML	10ML	1.6 µg/ml	BR030 HEXANE	08/1/98	4/7/99		
~~S-8691~~	BZ # 183	S-8682	35 µg/ml	460ML							
~~S-8692~~	# 156	S-8683									
~~S-8693~~	184	S-8684									
~~S-8694~~	49	S-8685									
~~S-8695~~	87	S-8686									
~~S-8696~~	169	S-8687									
~~S-8697~~	TCX	S-8688	200 µg/ml	80ml							
S-8698	PCB Congener Conc #6	S-8689	1.6 µg/ml	1ML	50ML	0.032 µg/ml	HEXANE				
~~S-8699~~											
~~S-8700~~											

Std #	Description	Stock ID	Stock Conc	Init Vol	Final Vol	Solvent	Final Conc	Init	Prep Date	Exp Date
S-8620	C28 Surrogate	Sigma Lot # 83H4055	99%	25mg	50ml	80:20 Acetone/Hexane	500 µg/ml	gaa	7-11-98	1-11-99
S-8621	Stocken MS	S-7315	100mg/ml	15mL	100mL	↓	↓	↓	↓	10-11-98
~~S-8622~~	~~Restek [illegible]~~	GA 7/11/98								
S-8622	Surrogate tcx/deb	Restek A010877	200 µg/ml	—	—	Acetone	—	GA	7-13-98	3-01-2001
S-8623	tcx/deb Working solution	S-8622	↓	1ml	20ml	Hexane	10 µg/ml	GA	↓	01-13-99 Extended 4/1/[illegible]
S-8624	Aroclor 1254	Restek A008327	1000 µg/ml	—	—	Hexane	—	GA	7/13/98	2-01-2000
S-8625	Aroclor 1254 Conc 1	S-8624	1000 µg/ml	10ml	100ml	Hexane	0.1 µg/ml			1-13-99
	[illegible]	S-8625	~~[illegible]~~ 20 [illegible]	200ul	↓	↓	0.02 µg/ml	↓	↓	↓
S-8626	[illegible] Stock									
	[illegible]	S-7902	100 µg/ml	160ul	10ml	Hex	1.6 µg/ml	GA	7/13/98	10/13/98
	SS# 183	S-7903	35 µg/ml	460ul	↓	↓	↓	↓	↓	↓
	156	S-7904	↓	↓						
	184	S-7905								
	49	S-7906								
	87	S-7907								
	169	S-7908	↓	↓						
	TCX	S-7910	200 µg/ml	80ul	↓	↓	↓	↓	↓	↓
S-8627	Conservar Work Soln.	S-8626	1.6 µg/ml	500ul	10ml	MeOH	0.08	↓	↓	↓
S-8628	Marine Diesel MS	S-8621	500 µg/ml	1mL	10mL	MeOH/Acetone	50 µg/ml	GAA	7-14-98	10-11-98
S-8629	TCX surr spk.	S-7789	200mg/ml	100 ul	250ml	MeOH	0.05 mg/ml	GG	7/14/98	10/14/98
S-8630	Pest Std B Mix	Restek A009689	8-16 µg/ml	—	—	hexane	—	GA	7/15/98	1/15/99
S-8631	Pest Std B Conc 3	S-8630	↓	500ul	100ml	↓	0.04-0.08 µg/ml	↓	↓	↓
S-8632	507 Surr Soln.	S-7612	250 µg/ml	20 ml	20 ml	MeOH	12.5 µg/ml	GA	7/16/98	10/16/98
S-8633	C28 Stock	Sigma Lot # 83H4055	99%	.05g	25mL	$MeCl_2$	2000 µg/ml	GAA	7-17-98	1-17-99
S-8634	Diesel Stock	Ultra Lot # M-0493	50,000 µg/ml	4mL	4mL	↓	50,000	↓	↓	↓
S-8635	Diesel HH	S-8634	↓	4mL	100mL	↓	2000	↓	↓	↓
	C28	S-8633	2000 µg/ml	20mL	↓	↓	400	↓	↓	↓
S-8636	Diesel MH	S-8635	2000/400 µg/ml	5mL	10mL	$MeCl_2$	1000/200 µg/ml	GAA	7-17-98	1-17-99
S-8637	Diesel MM	↓	↓	5mL	20mL	↓	500 100	↓	↓	↓
S-8638	Diesel ML			1mL	10mL		200/20 200/20			
S-8639	Diesel LL	↓	↓	250ul	10ml	↓	50 10 ↓	↓	↓	↓
S-8640	C28 Surrogate	Sigma Lot # 83H0185	99%	250mg	500ml	80:20 Acetone/Hexane	500 µg/ml	GAA	7-18-98	1-18-99
S-8641	Herb Surr.	S-8460	2000 µg/ml	2ml	200ml	$MeCl_2$	20 µg/ml	GA	7/21/98	9/98
S-8642	IblK	S-8623	10 µg/ml	200ul	100ml	Hexane	0.02 µg/ml	GA	7/23/98	01/13/99
~~S-8643~~	~~PEM working~~	~~S-8607~~	~~1-25 µg/ml~~							
S-8643	PEM	Restek A010112	1-25 µg/ml	1 —	—	HEX	—	TS	7-27-98	1-27-99
S-8644	PEM working	S-8643	↓	1 ml	100 ml	↓	0.01-.25 µg/ml	↓	↓	↓
S-8645	MA EPH Aliphatic Hydrocarbons	Restek Lot # A010311	1000 µg/ml	2.5ml	2.5mL	$MeCl_2$	1000 µg/ml	GAA	7-29-98	1-29-99
S-										

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Std #	Description	Stock ID	Stock Conc.	Initial Volume	Final Volume	Solvent	Final Conc	Initial	Date Prepped	Date Expires
S-8139	Mix A Conc. 1	S-8136	8-80 µg/ml	62.5 µl	100 ml	Hex	0.005-0.05 µg/ml	GDM	1-12-98	7-12-98
S-8140	2			250			0.02-0.2			
S-8141	3			500			0.04-0.4			
S-8142	4	S-8137		750			0.06-0.6			
S-8143	5	S-8138		1000			0.08-0.8			
S-8144	AR1221 Stock	Restek LTA003324	1000 µg/ml	-	-	-	-	GDM		8/2000 2/2000
S-8145	AR 1221	S-8144	1000 µg/ml	20 µl	100 ml	Hex	0.2 µg/ml			7/12/98 8/26/98
	TCX/DCB	S-7996	10 µg/ml	200 µl			0.02 µg/ml			
S-8146	AR 1242	S-7986	1000 µg/ml	10 µl			0.1 µg/ml			
	TCX/DCB	S-7996	10 µg/ml	200 µl			0.02 µg/ml			
S-8147	AR 1248	S-8120	1000 µg/ml	10 µl			0.1		1-13-98	7-13-98
	TCX/DCB	S-7996	10 µg/ml	200 µl			0.02			
S-8148	AR 1254 Stock	Restek LTA009327	1000 µg/ml	-	-	-	-			2/2000
	TCX/DCB									
S-8149	AR 1254	S-8148	1000 µg/ml	10 µl	100 ml	Hex	0.1 µg/ml	GDM	1-13-98	7-13-98
	TCX/DCB	S-7996	10 µg/ml	200 µl			0.02			
S-8150	DCAA Surr soln	S-8026	2000 µg/mL	1 mL	100 mL	MeOH	200 µg/mL	CEW	1/13/98	6-3-98
S-8151	Herb mix									
	2,4 D	Ultra Scientific HBM-8004	100 µg/mL	—	—	MeOH	100 µg/mL	CEW	1/13/98	7/13/98
	dalapon		250 µg/mL	—	—		250 µg/mL			
	2,4 DB		100 µg/mL	—	—		100 µg/mL			
	dicamba		10 µg/mL	—	—		10 µg/mL			
	dichlorprop		100 µg/mL	—	—		100 µg/mL			
	dinoseb		50 µg/mL	—	—		50 µg/mL			
	MCPA		10,000 µg/mL	—	—		10,000 µg/mL			
	MCPP		10,000 µg/mL	—	—		10,000 µg/mL			
	silvex (2,4,5-TP)		10 µg/mL	—	—		10 µg/mL			
	2,4,5-T		10 µg/mL	—	—		10 µg/mL			
S8152	Herb Mix	S8151	0-10,000 µg/mL	4 mL	25 mL	MeOH	1.6-600 µg/mL	CEW	1/13/98	2/20/98
	PCP acid	S-7635	1000 µg/mL	40 µl			1.6 µg/mL			
	Picloram acid	S-7636	1000 µg/mL	40 µl			1.6 µg/mL			
S-8153	OPPest SURR Stock	Ultra Scientific ISM-570	1000 µg/mL	—	—	ACE	1000 µg/mL	CEW	1/13/98	7/13/98
S-8154	OPPest SURR soln	S-8153	1000 µg/mL	1 mL	50 mL	MeOH	20.0 µg/mL	CEW	1/13/98	7/13/98
S-8155	I Blank	S-7996	10 µg/ml	200 µl	100 ml	Hex	0.02 µg/ml	GDM		
~~S-8156~~	~~AR1660 CON1~~	~~S-7998~~	~~0.05 µg/mL~~	~~500 µl~~	~~1.6 µL~~	~~HEX~~		~~AKF~~	~~1-14-98~~	~~5-25-98~~
~~S-8157~~	~~AR1660 CON2~~	~~S-7999~~	~~0.1 µg/mL~~							
~~S-8158~~	~~AR1660 CON3~~	~~S-8000~~	~~0.2 µg/mL~~							
~~S-8159~~	~~AR1660 CON4~~	~~S-8001~~	~~0.5 µg/mL~~							
~~S-8160~~	~~AR1660 CON5~~	~~S-8002~~	~~1.0 µg/mL~~							

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STD#	Description	Stock ID	Stock Conc	Initial Vol	Final Vol	Solvent	Final Conc	Initials	Date Prepared	Date Exp
S-7767	Restek 32000 Pest Surr DCB	LOT A008539	200µg/mL	3mL	1000mL	Acetone	.6µg/mL	CEW	9/17/97	3/17/98
S-7768	608 MS	S-7713	100-60µg/mL	100µL	50mL	MeOH	0.2-1.2µg	RAK	9/18/97	3/18/98
S-7769	DCBP stock	Chem Serv F20955 Lot: 196-66A	2000µg/mL	5mL		Ace		GG	9/19/97	3/19/98
S-7770	DCBP spike	S-7769	200µg/mL	2mL	200mL	Ace	20µg/mL			
S-7771	AR-1242	S-7432	1000µg/mL	10µL	100mL	Hex	0.1µg/mL	RAK	9/19/97	9/19/97
3	T-X/DCB	S-7665	5.0mg/mL	400µL			0.02µg/mL			2/25/98
S-7772	AR-1248	S-7271	1000µg/mL	10µL			0.1µg/mL			9/14/97
	TCX/DCB	S-7665	5.0mg/mL	400µL			0.02µg/mL			2/25/98
S-7773	AR-1254	S-7666	1000µg/mL	10mL			0.1µg/mL			2/28/98
	TCX/DCB	S-7665	5.0mg/mL	400mL			0.02µg/mL			2/25/98
S-7774	AR-1248	LOT 6482 Supelco	1000µg/mL	—	—	—	—	—	9/19/97	3/19/98
S-7775	AR-1248	S-7774	1000µg/mL	10µL	100mL	Hex	0.1µg/mL	RAK		3/19/98
	TCX/DCB	S-7665	5.0µg/mL	400µL			0.02µg/mL			2/25/98
S-7776	PFM	S-7625	1-25µg/mL	10µL	25mL	Hex	0.1-0.25µg	RAK	9/19/97	3/19/98
S-7777	Methylated Herb Mix	Ultra L-5223	1000µg/mL	—	—	—	—	RAK	9/22/97	3/22/98
S-7778	DCAA	Ultra L-6500	1000µg/mL	—	—	—	—	RAK		3/22/98
S-7779	Herb Mix	S-7777	1000µg/mL	1mL	10mL	Hex/acetone	1-100µg/mL			3/22/98
	DCAA	S-7778	100µg/mL	1mL			10µg/mL			3/22/98
	Picloram	S-7529	1000µg/mL	100µL			10mg/mL			1/15/98
	PCP	S-7533	1000µg/mL	10mL			1mg/mL			1/15/98
S-7780	DIESEL #1 Stock	Fisher (Ver Reliable) 951864	NEAT	5.0g	50mL	Tol	100mg/mL	BLS	9/22/97	3/22/98
S-7781	Kerosene Stock	LOT #: LA6552	50mg/mL	1mL	1mL	Hex.	50mg/mL			
S-7782	AK102 HH	S-7780	100mg/mL	330µL	50mL	Methz	660mg/mL			~~10/9/97~~ 1-1-98 BW 10-9-97
		S-7315								
		S-7781	50mg/mL	670µL			670mg/mL			
	Composite	—	—	—			≈2000µg/mL			
	OTP	S-7710	10,000µg/mL	1mL			200µg/mL			
S-7783	AK102 MH	S-7782	2000 µg/mL 200	5mL	10mL		1000 100 µg/mL			
S-7784	AK102 MM			25mL			500 50			
S-7785	AK102 ML			1mL			200 20			
S-7786	AK102 LL			200µL			50 5			
S-7787	Herb Mix Mid	Ultra SCL0650	10,000µg/mL	4mL	—	Ace	—	BJO	9/23/97	3/23/98
S-7788 (Hol Spike for ext.)	Herb mix acid	7767	16-1000µg/mL	4mL	25mL	ACE	16-1000	BJO	9/23/97	3/23/98
	Picloram acid	7635	1000	400µL			16			
	PCP acid	7636	1000	400µL			1.6			
S-7789	TCX	Restek #32025 LOT: A009032	200µg/mL	5mL	5mL	ACE	200µg/mL	GG	9/24/97	(5/20/00) ~~3/24/97~~ WEM 4/22/99
S-7790	TCX Surr Spike	S-7789	200µg/mL	150µL	50mL	ACE	0.6µg/mL			
S-7791	TOXAPHENE	S-7615	100µg/mL	50mL	100mL	Hex	0.5µg/mL	RAK	9/29/97	2/8/98
	TCX/DCB	S-7674	20µg/mL	10µL			0.01µg/mL			

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F. Technical Review Checklist and Other Analysis Documentation

ORGANIC EXTRACTIONS ECD/NPD/FPD ANALYSIS REVIEW CHECKLIST

Report Number: 991763 Client: IT CORP Test: Pest (8081) Instrument: SL2

Nos: 9913654-660 Matrix: soil Analyst: TJ

CALIBRATION INITIAL ANALYSIS	Primary Analyst Review	Comments	(✓) Peer Review
What is the appropriate Project Summary		EAL-PS- 090	✓
Did the resolution check meet specified criteria?	Y N/A N	NCR:	✓
Did the degradation check PEM's meet criteria?	Y N/A N	NCR:	✓
Did the initial calibration meet specified criteria?	Y N	NCR:	✓
Did the IVS meet specified criteria?	Y N	NCR:	✓
Was the method blank free of target analytes?	Y N	NCR:	✓
Did the method blank and LCS meet surrogate criteria?	Y N	NCR:	✓
Did the LCS meet specified target analyte criteria?	Y N	NCR:	✓
Did the LCS duplicate meet specified target analyte criteria?	Y N/A N	NCR:	✓
Did all samples meet surrogate criteria?	Y N		✓
Were all samples analyzed within appropriate cal/tune time?	Y N/A N	NCR:	✓
Have you checked for dilutions/reanalyses?	Y N		✓
Were samples initially analyzed within holding time?	Y N	NCR:	✓
Were re-extractions initiated within holding time?	Y N/A N	NCR:	✓

PACKAGE GENERATION			
Client chain of custodies	Y N		✓
LIMS chain of custodies	Y N		✓
Extraction TCLP DIWET sheets	Batches:	P912121	✓
Have all samples been included in the data package?	Y N		✓
Dry weight sample weight logs	Y N/A		✓
Example calculation worksheet	Y		✓
Injection logs	Y		✓
Standards logs	Y		✓
GPC logs and UV trace chromatographs	Y N/A		✓
Have the proper reporting/QC limits & analyte lists been used?	Y	Method STD MDL Proj.	✓
Is the SDG number on all required forms?	Y N/A	SDG #:	✓
Form IIs (Surrogate Recovery Forms)	Y N/A		✓
Form IIIs (MS/MSD Recovery Forms)	Y N/A		✓
Form IIIs (LCS/LCSD Recovery Forms)	Y		✓
Form IVS (Method Blank Forms)	Y		✓
Form Is (Sample Data with Forms)	Y		✓
Is sample data included?	Y		✓
Form Xs (Pest/PCB Identification Forms)	Y N/A		✓
Form VIs (Initial Calibration Forms)	Y		✓
Form VIIs (Cont. Calibration & PEM Forms)	Y		✓
Form VIIIs (Pesticide Sequence Forms)	Y N/A		✓
Form IXa (Pesticide Florisil Forms)	Y N/A N		✓
Form IXb (Pesticide GPC Forms)	Y N/A N		✓
Are all IC/ICV/CCV data included?	Y		✓
Are Blank/LCS/MS/MSD(s) included?	Y		✓
Have all manual integrations been addressed?	Y N/A	MS/MG	✓

ORGANIC EXTRACTIONS ANALYSIS REVIEW CHECKLIST CONTINUED

SECTION CHIEF

Is analyst review been completed?	Y	ERM Directory ITC1763S.ERM
Has peer review been completed?	Y	
Has correct Project Summary been confirmed?	Y	Forms Filename
Are all data reduction file names listed?	Y	
Are all NCR's included with appropriate action?	Y N/A	Generated by TT
Are all memo's E-Mails included with appropriate action?	Y N/A	
Has the electronic file been generated?	Y N/A	

Additional Comments

		Date
Primary Analyst	Tes Fay	12/13/99
Peer Review		12-13-99
Instrumentation Section Chief		12/13/99

All questions should be answered with a "Y" for yes, "N" for no or "NA" for not applicable. All "N" answers require a corrective action as specified in the project summary and an explanation in the narrative notes section.

4. TPH DRO DATA

A. QC Summary

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name STL BALTIMORE Contract: IT CORP

Lab Code STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Level: (low/med) LOW

	EPA SAMPLE NO	S1 #	TOT OUT
01	TB912121	90	0
02	TL912121	81	0
03	683-F-H3-2	77	0
04	683-F-H3-1	76	0
05	683-H2W2	87	0
06	683-F3W1	77	0
07	683-H3W2	72	0
08	683-F-G3A-1	73	0
09	683-F-G3A-2	67	0
10	683-F-G3A-2MS	78	0
11	683-F-G3A-2MSD	56	0

S1 = C-28 QC LIMITS (50-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix Spike - EPA Sample No.: 683-F-G3A-2 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
DIESEL RANGE ORGANICS	33000	0.0	27000	82	66 - 153

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
DIESEL RANGE ORGANICS	33000	20000	61 *	29	35	66 - 153

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 1 out of 2 outside limits

COMMENTS:

LCS RECOVERY FORM

Lab Name: STL BALTIMORE

Date Extracted 12/12/99

Instrument: SX4 SW3

Date Analyzed: 12/12/99

Analyst: JAA

Matrix: WATER/SOIL

Spike No.: S-9444

Sample ID: TL912121

Units: ug/L|ug/kg

COMPOUND	SPIKE ADDED	LCS CONC.	% REC	QC # Limits
DRO	25000	24000	96%	66-153

The LCS has been checked and is within/outside current limits

ANALYST 12/13/99 DATE

Non-conformance form #

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TB912121

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Lab File ID: SW3A921R.D Lab Sample ID: TB912121

Instrument ID: SW3 Date Extracted: 12/12/99

Matrix: (soil/water) SOIL Date Analyzed: 12/12/99

Level: (low/med) LOW Time Analyzed: 22:14

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	TL912121	TL912121	SW3A922R.D	12/12/99
02	683-F-H3-2	9913654	SW3A923R.D	12/12/99
03	683-F-H3-1	9913655	SW3A924R.D	12/13/99
04	683-H2W2	9913656	SW3A925R.D	12/13/99
05	683-F3W1	9913657	SW3A926R.D	12/13/99
06	683-H3W2	9913658	SW3A927R.D	12/13/99
07	683-F-G3A-1	9913659	SW3A928R.D	12/13/99
08	683-F-G3A-2	9913660	SW3A929R.D	12/13/99
09	683-F-G3A-2MS	9913660MS	SW3A930R.D	12/13/99
10	683-F-G3A-2MSD	9913660MSD	SW3A933R.D	12/13/99

COMMENTS:

B. Sample Data

040006

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-H3-2

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913654

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A923R.D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture: 25 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/12/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

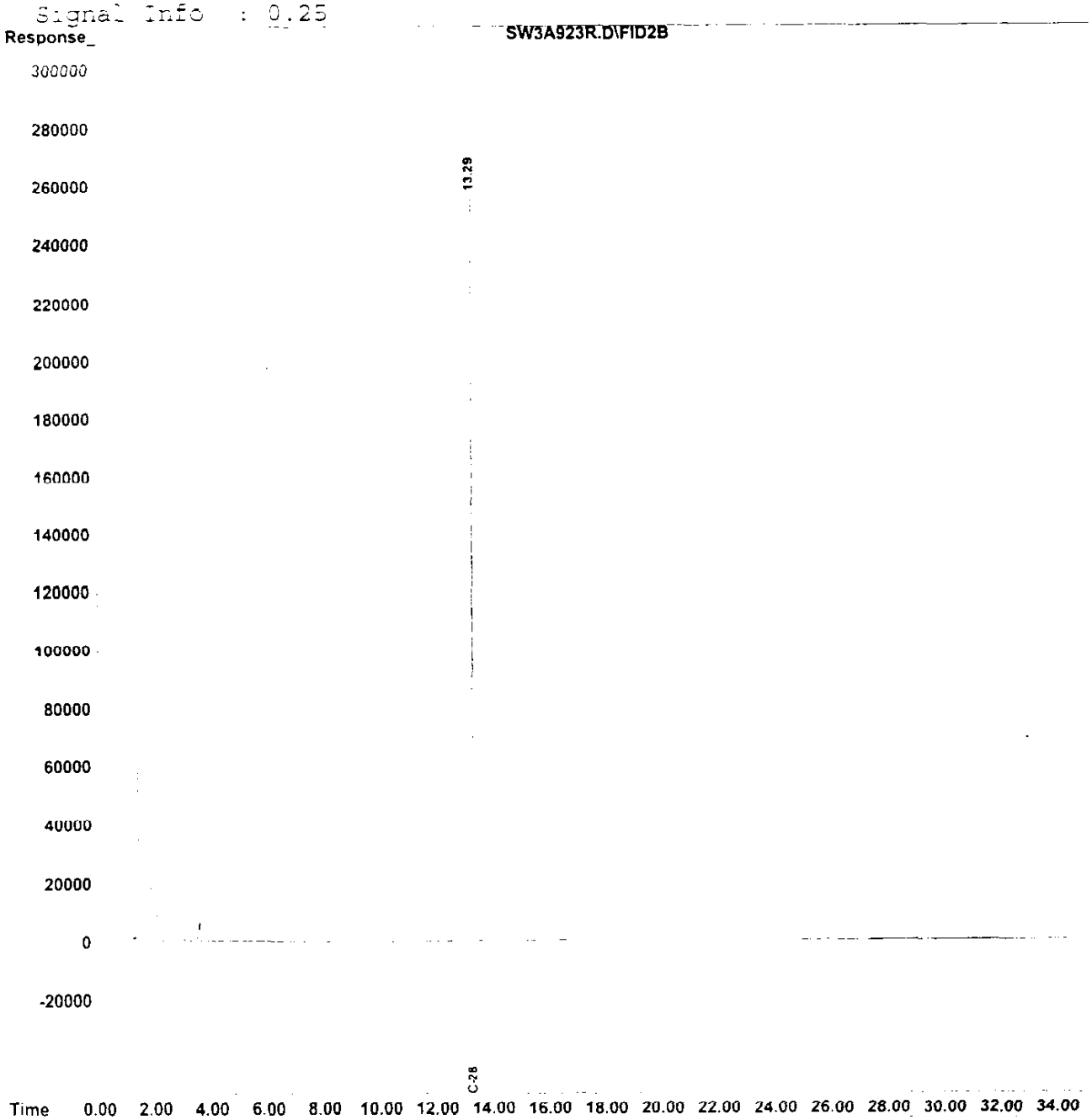
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6700	U

Quantitation Report

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A923R.D Vial: 4
Acq On : 12 Dec 1999 23:36 Operator: JAA
Sample : 9913654 Inst : SW3
Misc : 683-F-H3-2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



C10003

Quantitation Report (QT Reviewed)

Data File : O:\ORG SVOA FID\SW3\30NOV99\SW3A923R.D Vial: 4
Acq On : 12 Dec 1999 23:36 Operator: JAA
Sample : 9913654 Inst : SW3
Misc : 663-F-H3-2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2\ S C-28	13.29	5062339	77.011 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A923R.D W1130DR.M Mon Dec 13 09:34:17 1999 BUDDY Page 1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-H3-1

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913655

Sample wt/vol. 20 (g/ml) G Lab File ID: SW3A924R.D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture 39 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

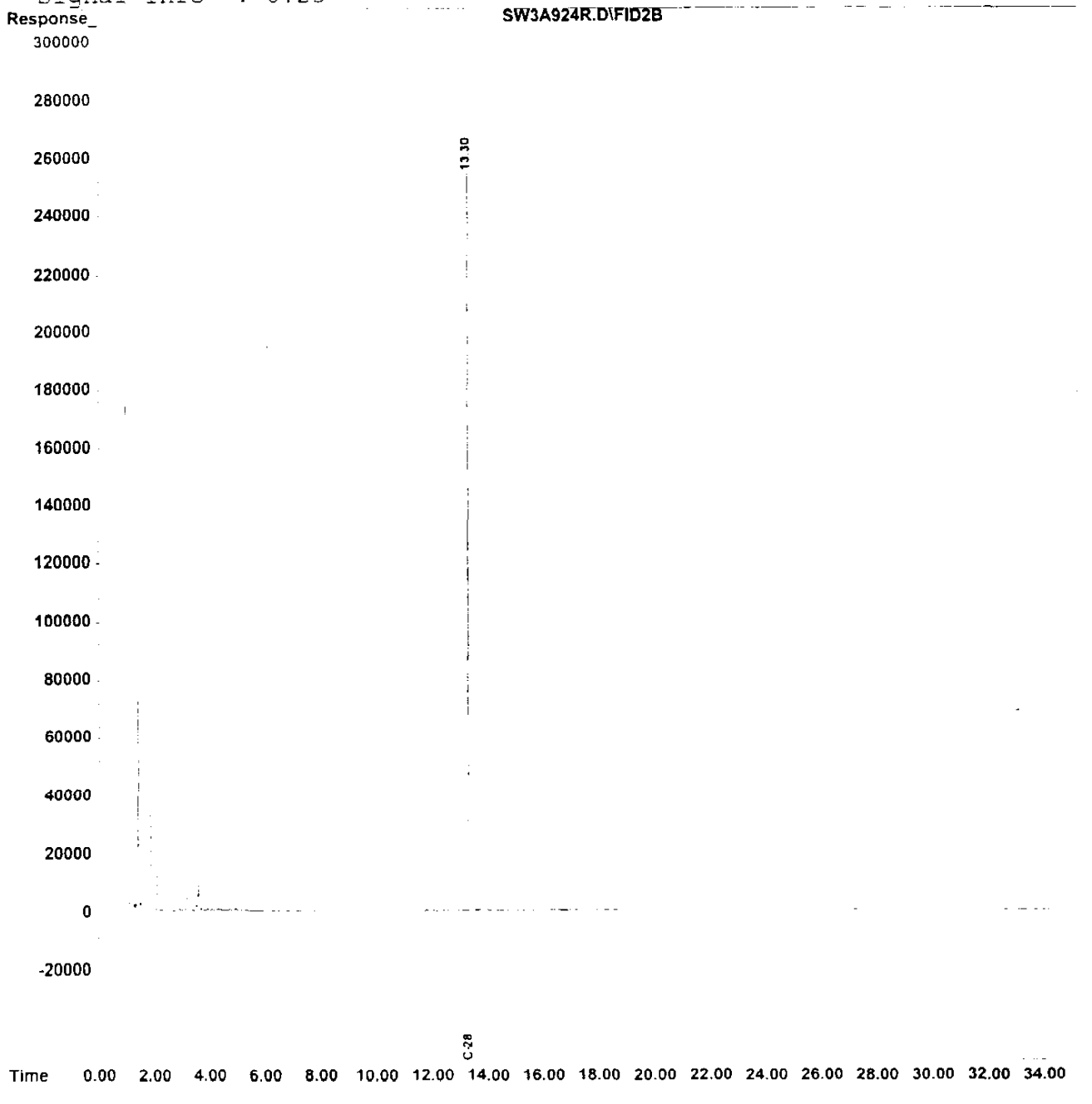
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	8200	U

Quantitation Report

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A924R.D Vial: 5
Acq On : 13 Dec 1999 00:17 Operator: JAA
Sample : 9913655 Inst : SW3
Misc : 663-F-H3-1 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A924R.D Vial: 5
Acq On : 13 Dec 1999 08:17 Operator: JAA
Sample : 9913688 Inst : SW3
Misc : 681-F-H3-1 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.30	4983020	75.804 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A924R.D W1130DR.M Mon Dec 13 09:34:22 1999 BUDDY Page 1

010012

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-H2W2

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913656

Sample wt/vol: 20.2 (g/ml) G Lab File ID: SW3A925R D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture 24 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/99

Injection Volume 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

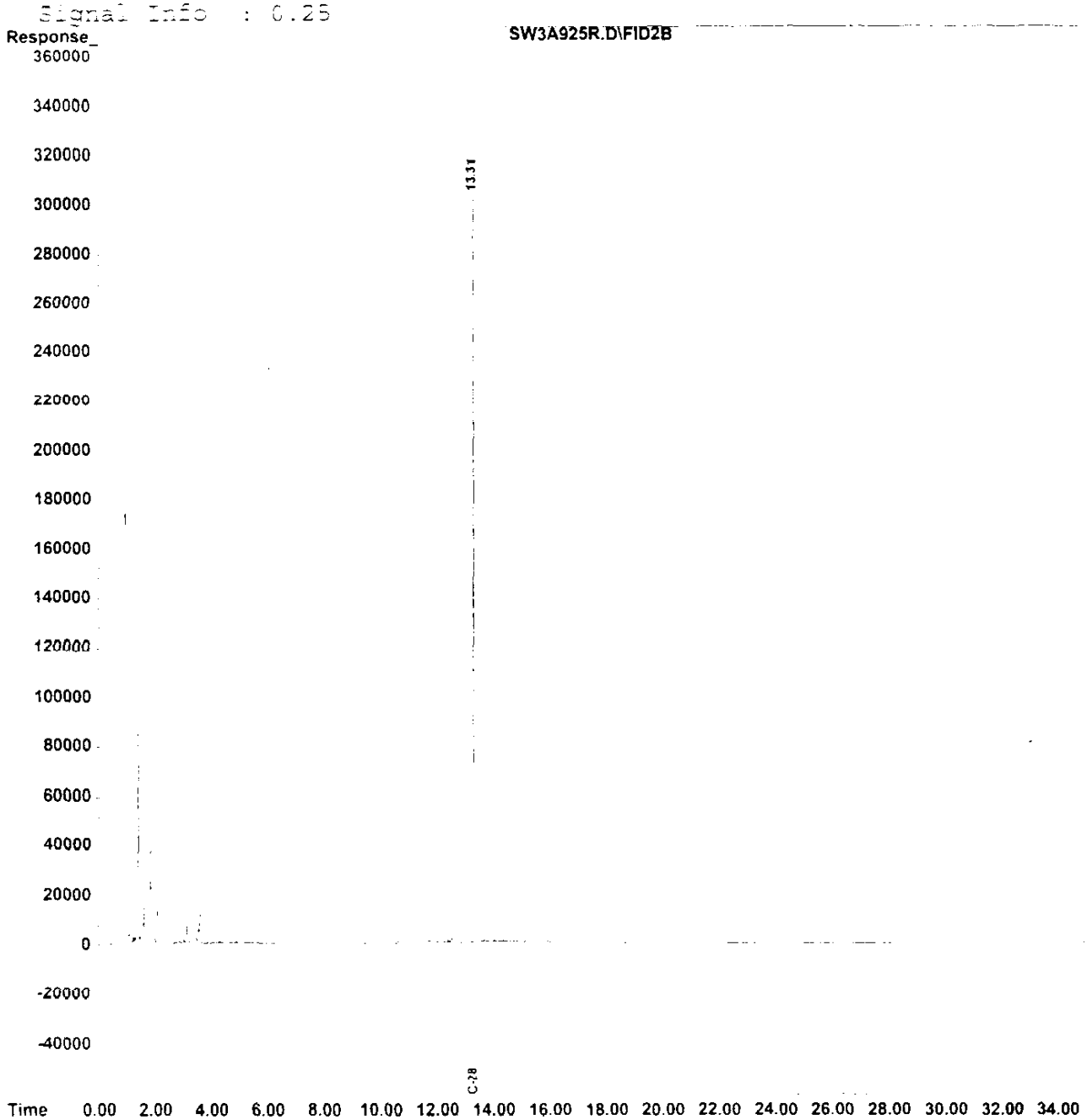
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6500	U

Quantitation Report

Data File : D:\ORG\SVOA\FID\SW3\30NOV99\SW3A925R.D Vial: 6
Acq On : 13 Dec 1999 00:59 Operator: JAA
Sample : 9913656 Inst : SW3
Misc : 683-H2W2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A925R.D Vial: 6
Acq On : 13 Dec 1999 08:59 Operator: JAA
Sample : 9913656 Inst : SW3
Misc : 661-H2W1 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.31	5729937	87.167 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int
SW3A925R.D W1130DR.M Mon Dec 13 09:34:26 1999 BUDDY Page 1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F3W1

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913657

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A926R.D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture: 36 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	7800	U

Quantitation Report (QT Reviewed)

Data File : D:\CPS SVOA FID\SW3\30NOV99\SW3A926R.D Vial: 7
Acq On : 13 Dec 1999 1:39 Operator: JAA
Sample : 9913657 Inst : SW3
Misc : 661-F3W1 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-26	13.32	5030370	76.525 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A926R.D W1130DR.M Mon Dec 13 09:34:29 1999 BUDDY Page 1

010013

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-H3W2

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913658

Sample wt/vol. 20 (g/ml) G Lab File ID: SW3A927R.D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture: 40 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

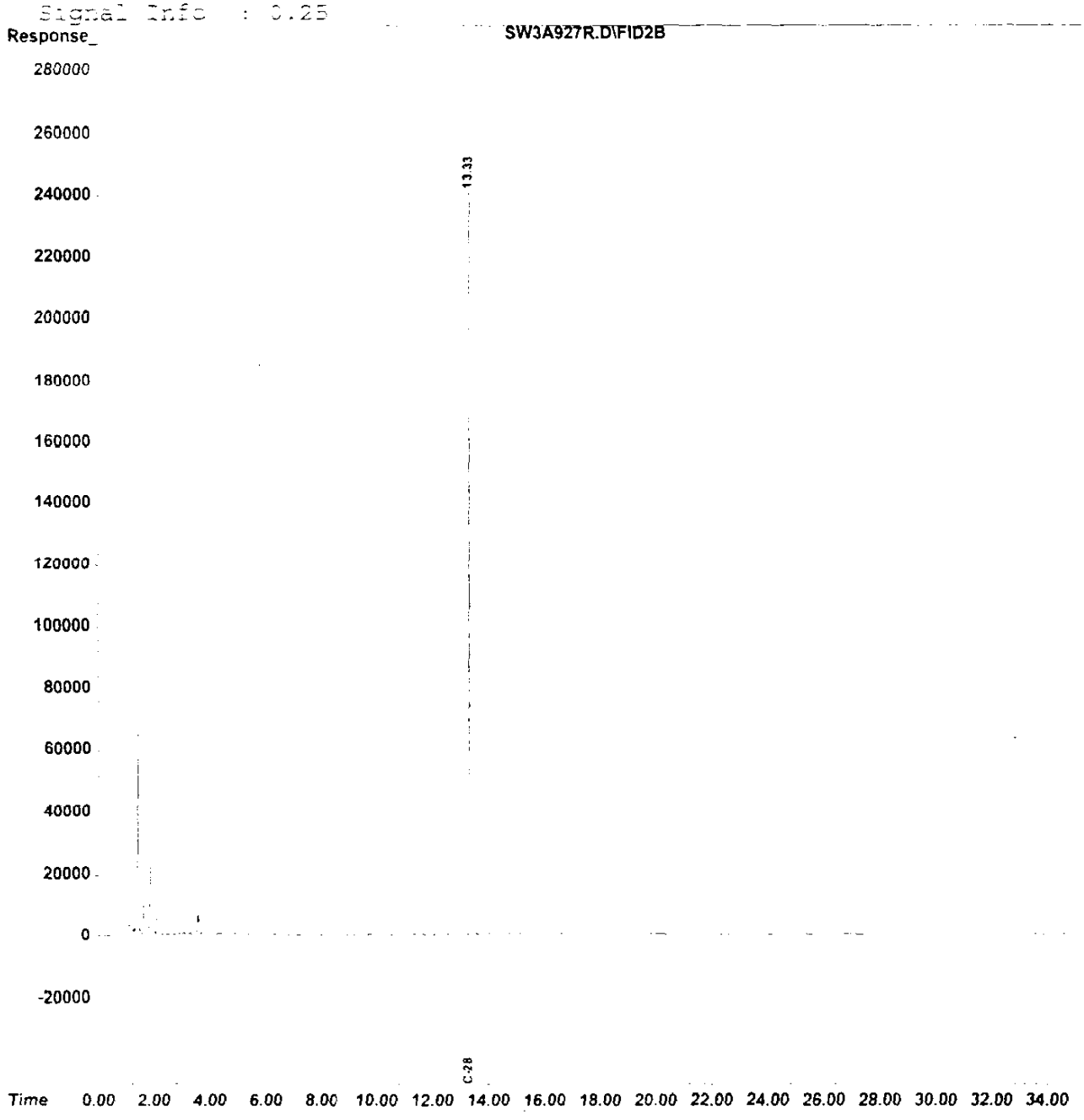
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	8300	U

Quantitation Report

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A927R.D Vial: 9
Acq On : 13 Dec 1999 2:20 Operator: JAA
Sample : 9913658 Inst : SW3
Misc : 683-H3W2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A927R.D Vial: 8
Acq On : 13 Dec 1999 2:20 Operator: JAA
Sample : 9913658 Inst : SW3
Misc : 683-H3W2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.33	4734921	72.030 ug/mLm

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A927R.D W1130DR.M Mon Dec 13 09:34:33 1999 BUDDY Page 1

010021

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G3A-1

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913659

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A928R.D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture: 36 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

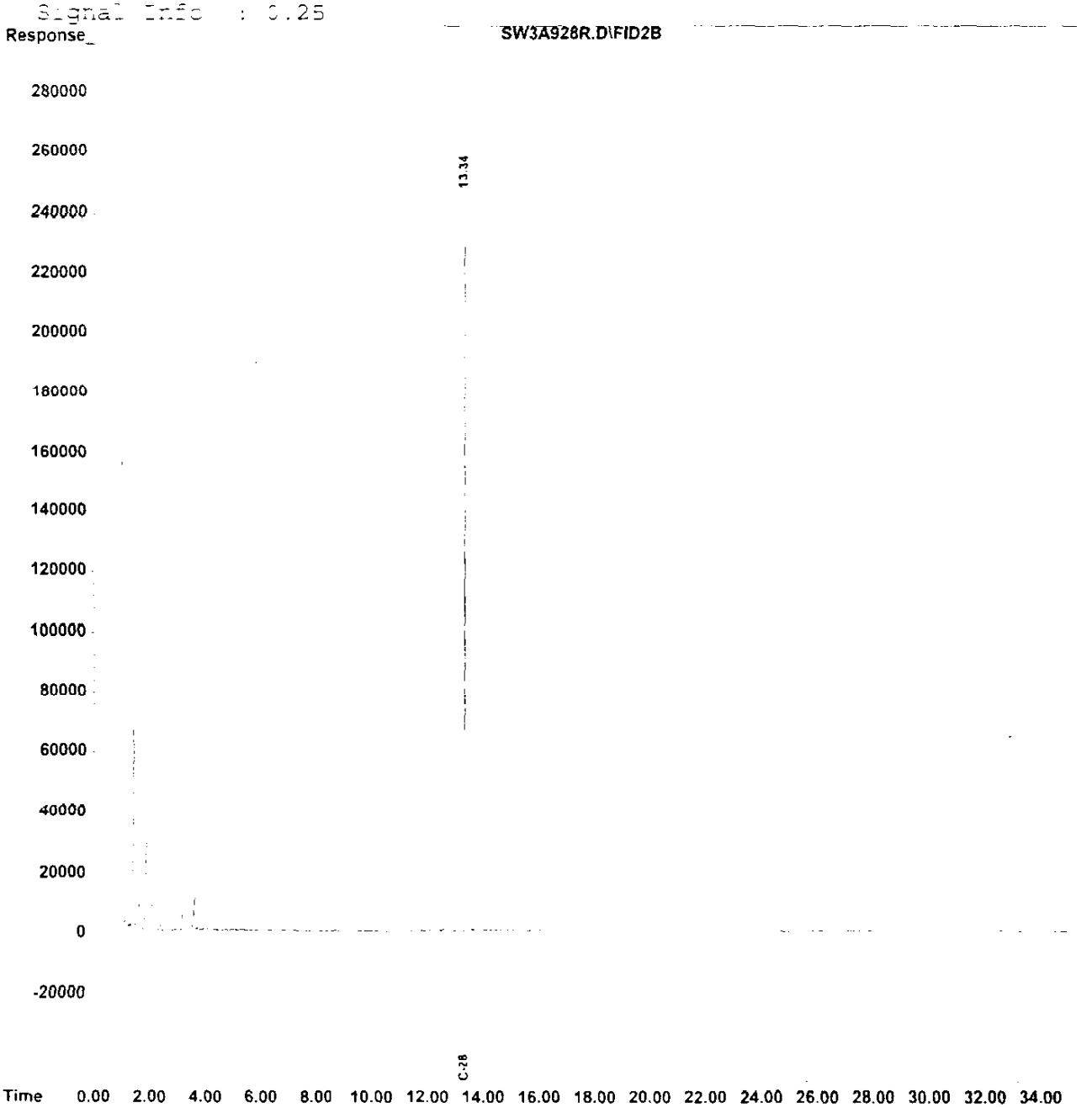
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	7800	U

Quantitation Report

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A928R.D Vial: 9
Acq On : 13 Dec 1999 3:01 Operator: JAA
Sample : 9913659 Inst : SW3
Misc : 683-F-G3A-1 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:21 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A928R.D Vial: 9
Acq On : 13 Dec 1999 8:01 Operator: JAA
Sample : 99136E9 Inst : SW3
Misc : 683-F-G3A-1 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:21 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-26	13.34	4821100	73.341 ug/mLm

Target Compounds

(f =RT Delta > 1/2 Window (m)=manual int.

010024

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G3A-2

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913660

Sample wt/vol: 20.1 (g/ml) G Lab File ID: SW3A929R.D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture: 25 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup (Y/N) N pH:

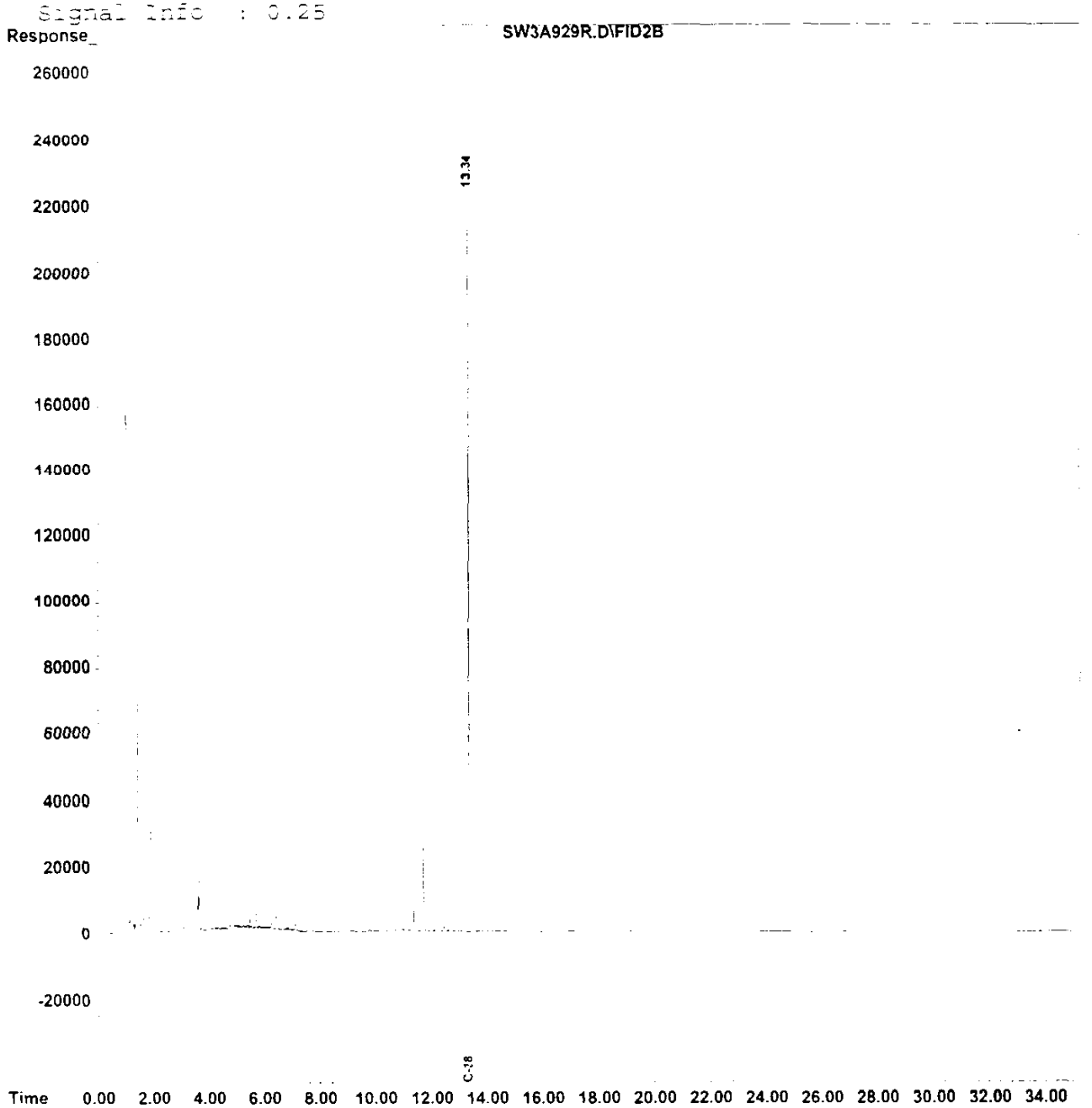
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6600	U

Quantitation Report

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A929R.D Vial: 10
Acq On : 13 Dec 1999 3:42 Operator: JAA
Sample : 9913660 Inst : SW3
Misc : 683-F-G3A-2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:21 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A929R.D Vial: 10
Acq On : 13 Dec 1999 3:42 Operator: JAA
Sample : 9913660 Inst : SW3
Misc : 683-F-G3A-2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:21 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.34f	4390918	66.797 ug/mLm

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A929R.D W1130DR.M Mon Dec 13 09:34:41 1999 BUDDY Page 1

010027

C. Standards Data

040028

Response Factor Report SW3

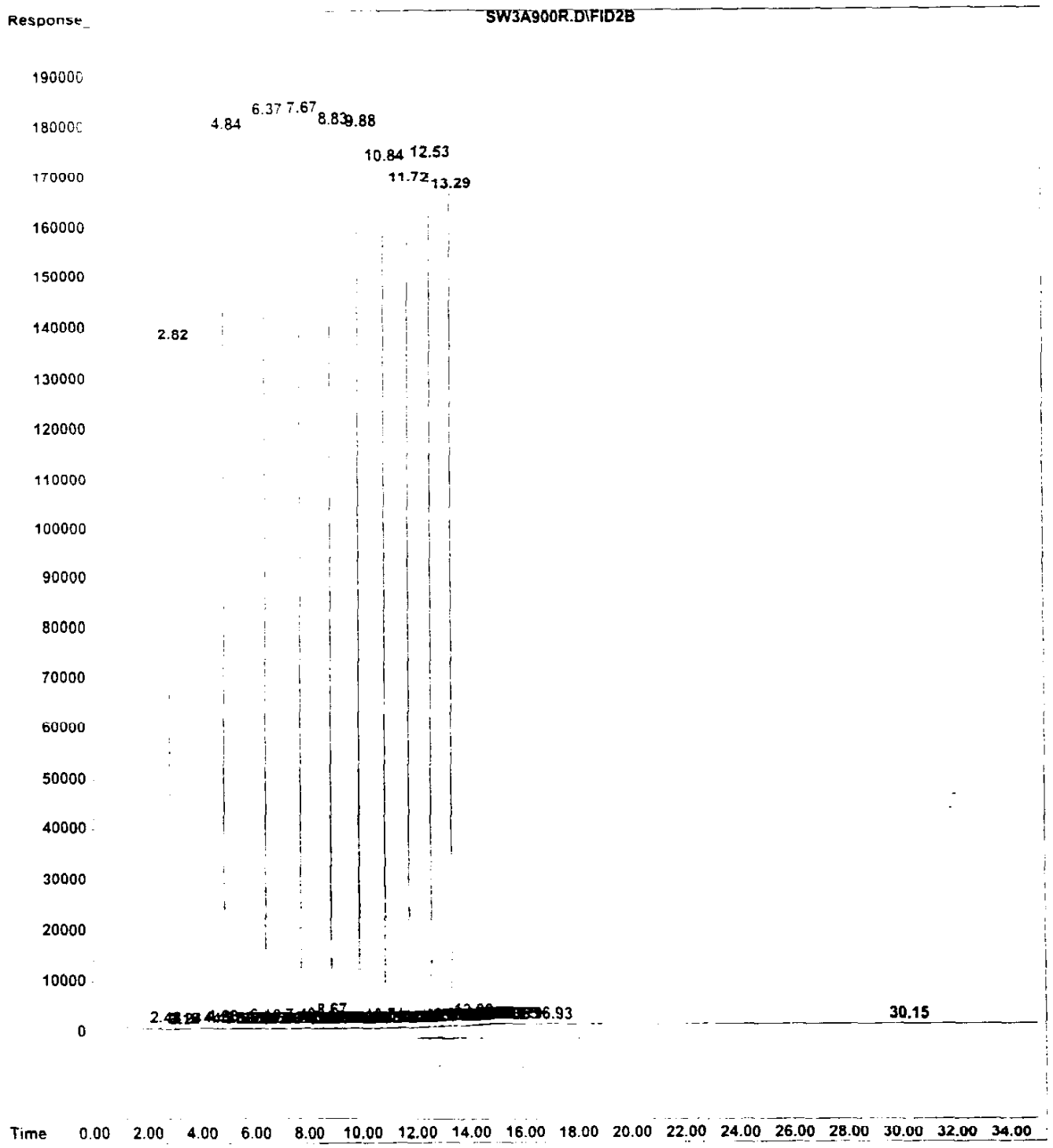
Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999

Calibration Files
CON1 =SW3A901R.D CON2 =SW3A902R.D CON3 =SW3A903R.D
CON4 =SW3A904R.D CON5 =SW3A905R.D

		Compound	CON1	CON2	CON3	CON4	CON5	Avg	%RSD
1	H	Diesel Range Organics	6.398	6.237	6.345	6.376	6.367	6.344 E4	1.00
2	S	[illegible]	6.789	6.642	6.579	6.573	6.286	6.574 E4	2.78

(#) = Out of Range

File : C:\ORG\SVOA FID\SW3\30NOV99\SW3A900R.D
Operator : JAA
Acquired : 30 Nov 1999 16:38 using AcqMethod TPH-DSLR.M
Instrument : SW3
Sample Name: S-9114 RTM
Misc Info : C10-C28EVEN
Vial Number: 1

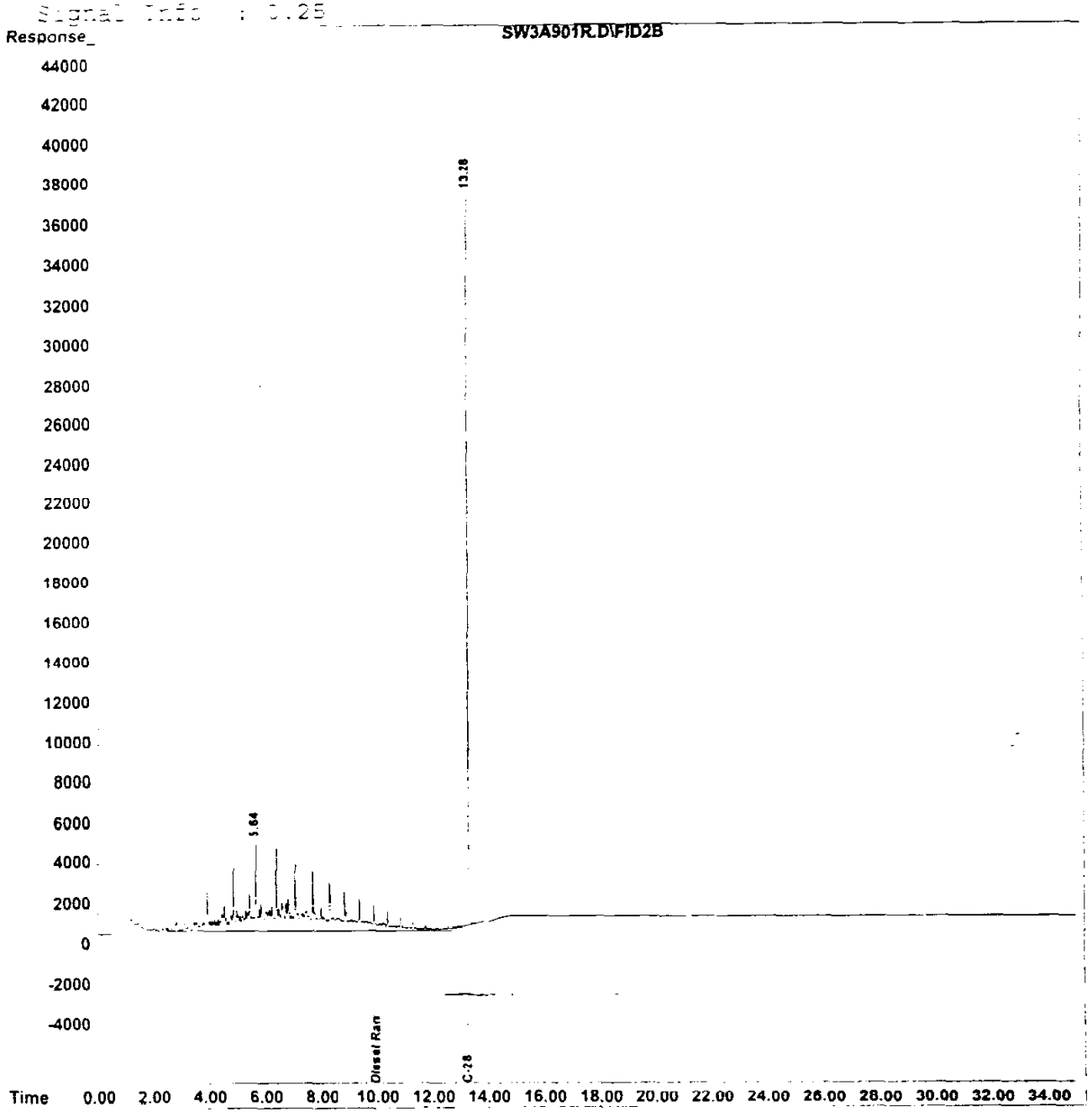


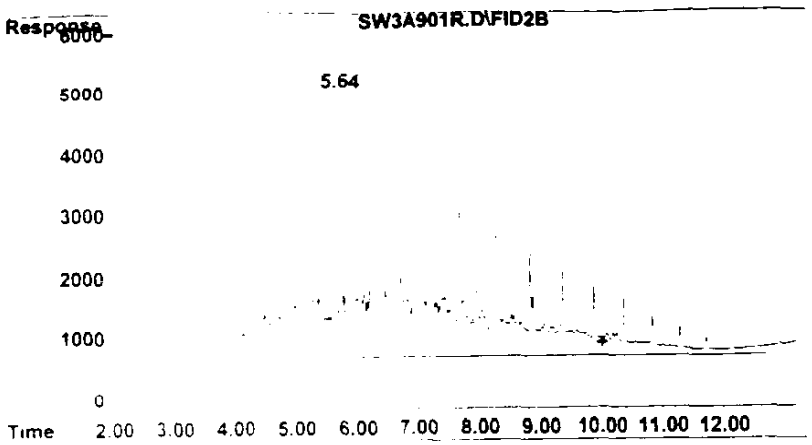
040020

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A901R.D Vial: 2
Acq On : 30 Nov 1999 17:19 Operator: JAA
Sample : S-9370 LL Inst : SW3
Misc : DIESEL (50 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 8:59 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 3198998
Conc: 50.93 ug/mL m

Quantitation Report

Data File : Q:\ORG\SVOA\FID\SW3\30NOV99\SW3A901R.D Vial: 2
Acq On : 30 Nov 1999 17:19 Operator: JAA
Sample : S-9370 LL Inst : SW3
Misc : DIESEL (50 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 8:59 1999 Quant Results File: W1130DR.RES

Quant Method : Q:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

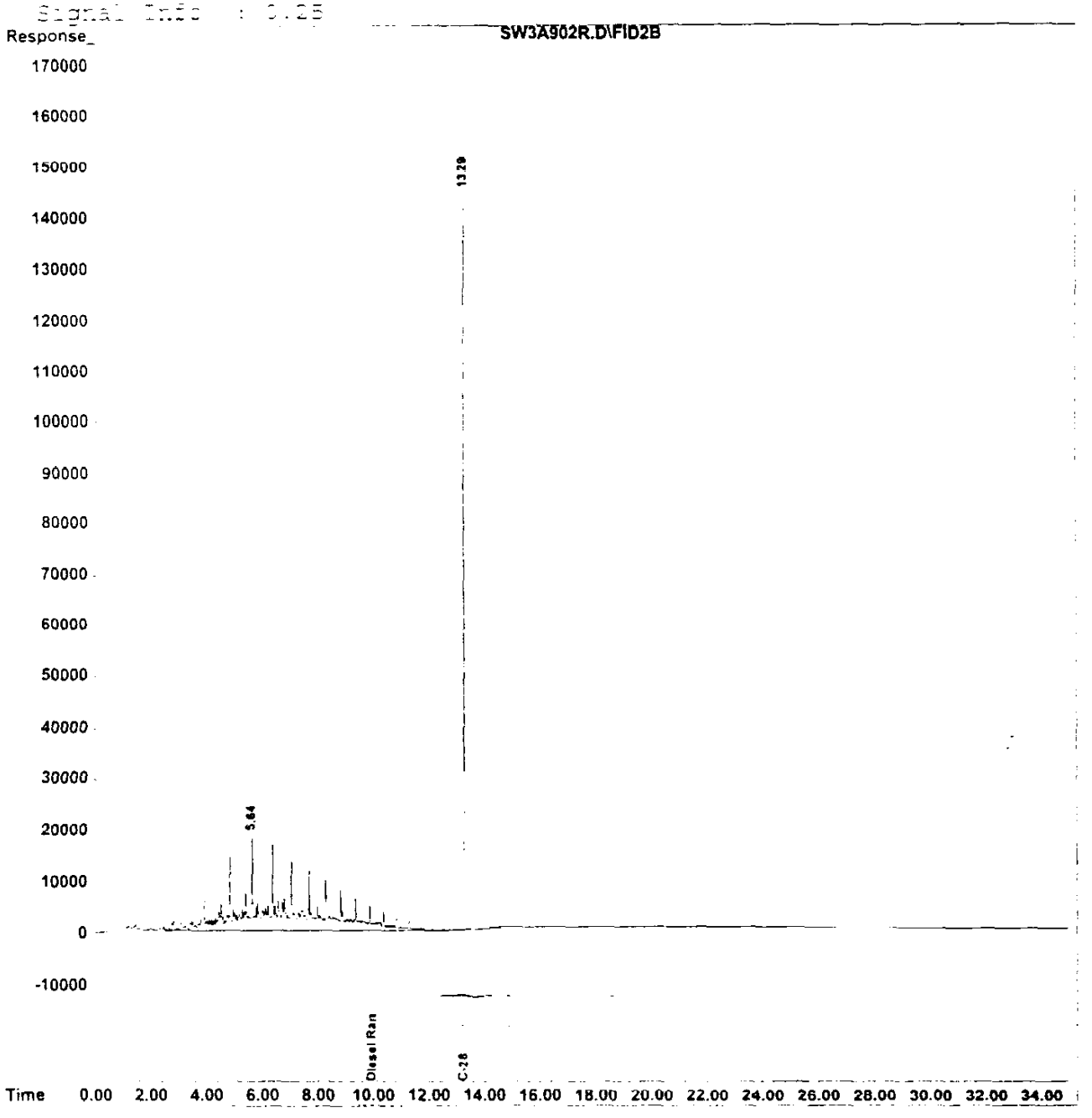
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.28	678879	10.782 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	3198998	50.928 ug/mL

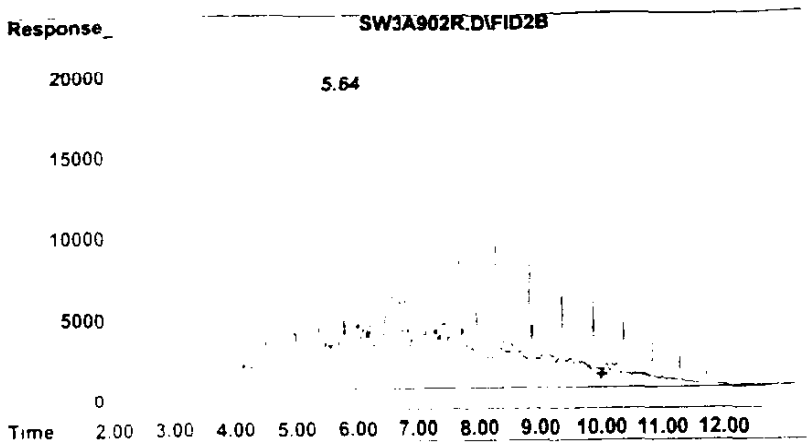
(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A901R.D W1130DR.M Wed Dec 01 09:05:29 1999 BUDDY

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A902R.D Vial: 3
Acq On : 30 Nov 1999 18:00 Operator: JAA
Sample : S-9369 ML Inst : SW3
Misc : DIESEL (200 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:00 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 12473012
Conc: 198.57 ug/mL m

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A902R.D Vial: 3
Acq On : 30 Nov 1999 18:00 Operator: JAA
Sample : S-9169 ML Inst : SW3
Misc : DIESEL (200 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:00 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response Via : Initial Calibration
DetAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.2b

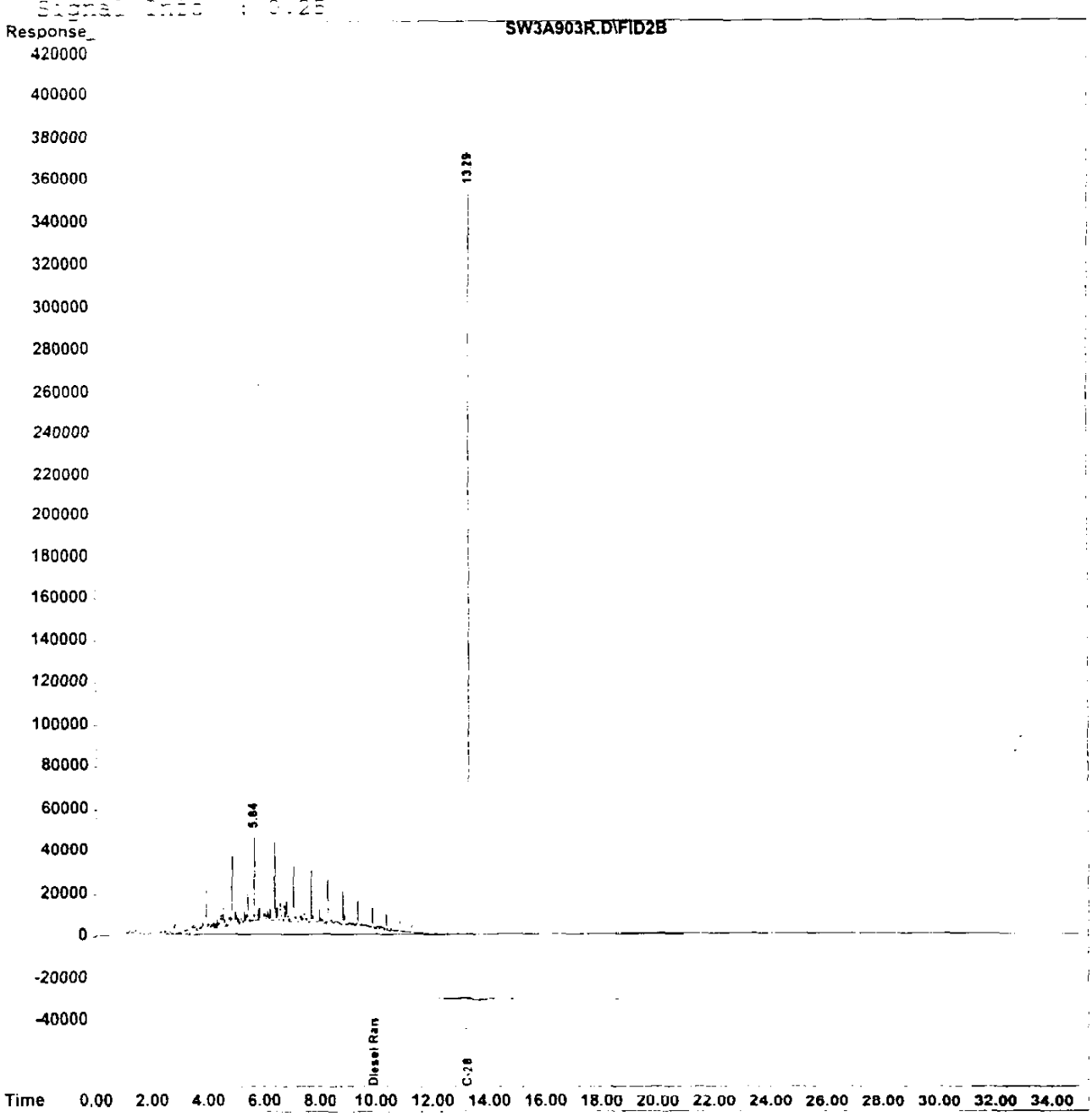
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C 28	13.29	2656670	42.193 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	12473012	198.568 ug/mL

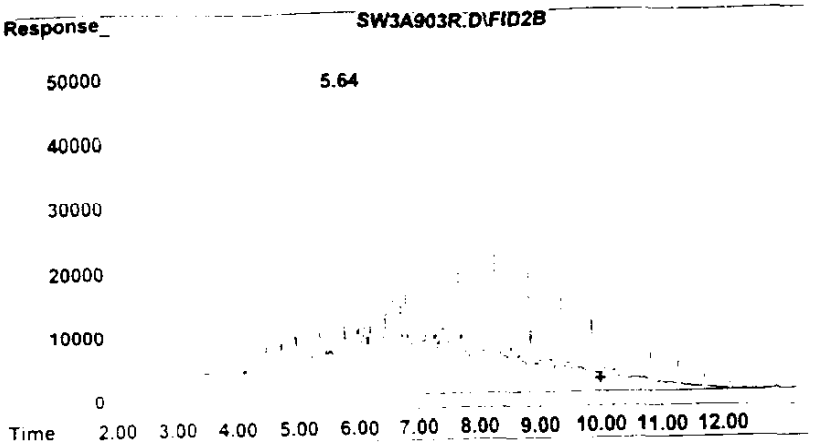
(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A902R.D W1130DR.M Wed Dec 01 09:05:34 1999 BUDDY

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A903R.D Vial: 4
Acq On : 30 Nov 1999 18:41 Operator: JAA
Sample : S-9452 MM Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:00 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31725790
Conc: 505.07 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A903R.D Vial: 4
Acq On : 30 Nov 1999 18:41 Operator: JAA
Sample : S-9452 MM Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:00 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

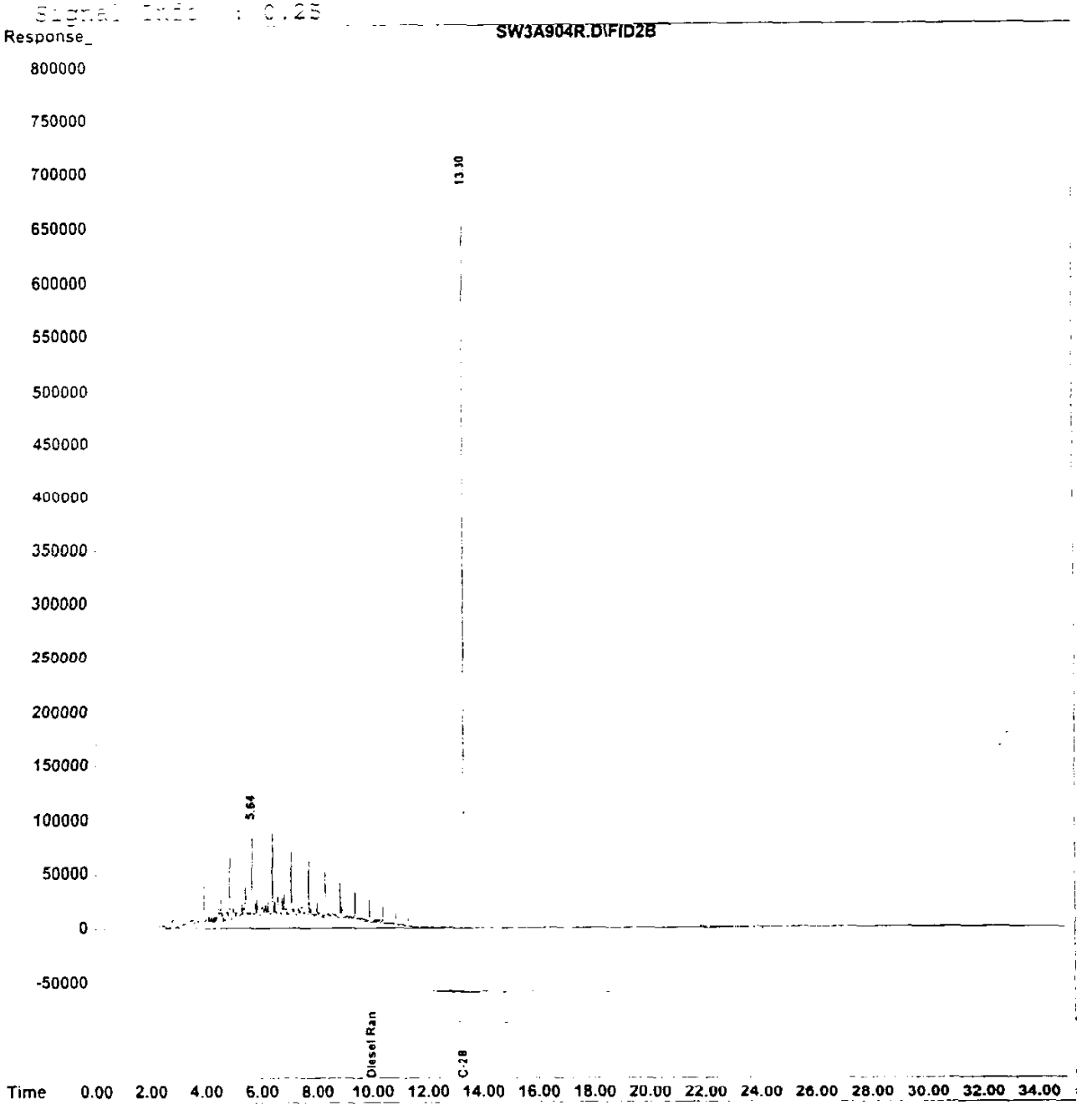
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-25	13.29	6578977	104.486 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	31725790	505.069 ug/mL

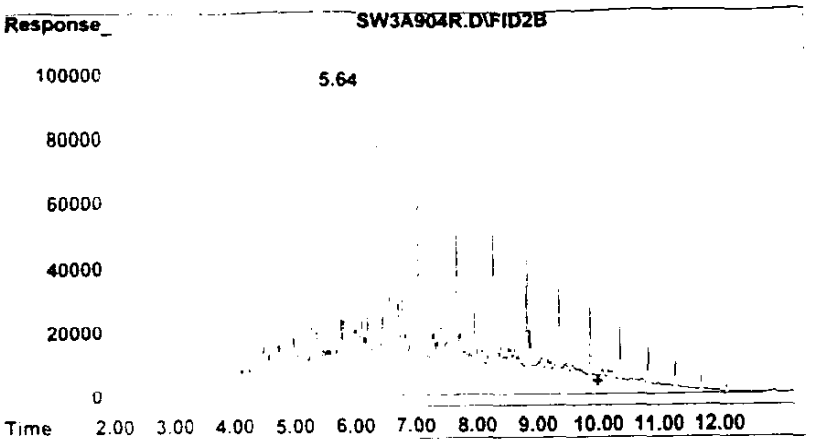
(f)=RT Delta > 1/2 Window (m)=manual int
SW3A903R.D W1130DR.M Wed Dec 01 09:05:38 1999 BUDDY Page 1

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A904R.D Vial: 5
Acq On : 30 Nov 1999 19:22 Operator: JAA
Sample : S-9367 MH Inst : SW3
Misc : DIESEL (1000 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:01 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 63755374
Conc: 1014.97 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A904R.D Vial: 5
Acq On : 30 Nov 1999 19:22 Operator: JAA
Sample : S-9367 MH Inst : SW3
Misc : DIESEL 1000 ug/mL Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:01 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

[illegible] : 1.1 ul
[illegible] : RTX-5
[illegible] : 1.25

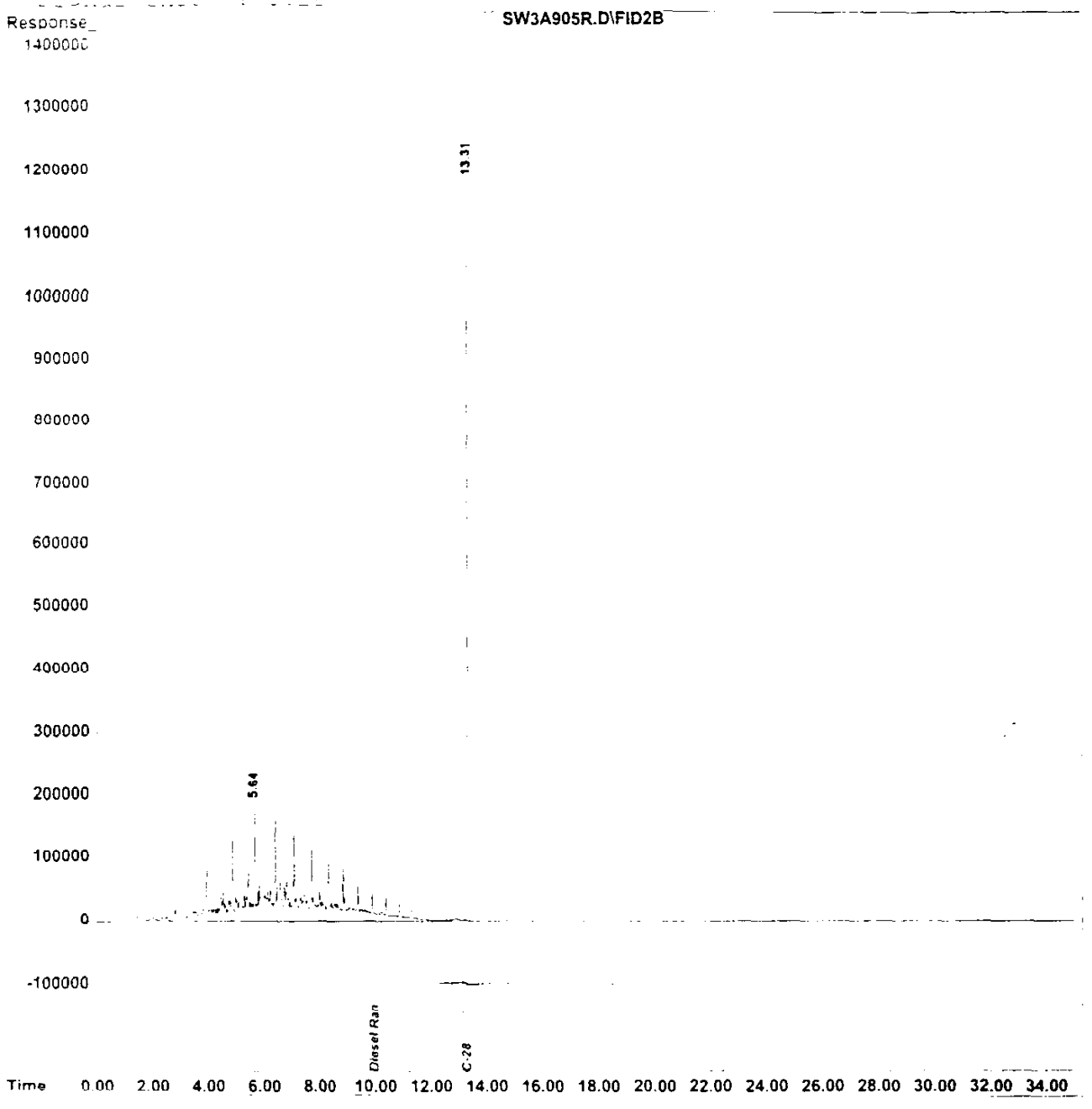
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S U-25	13.30	13145062	208.766 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	63755374	1014.975 ug/mL

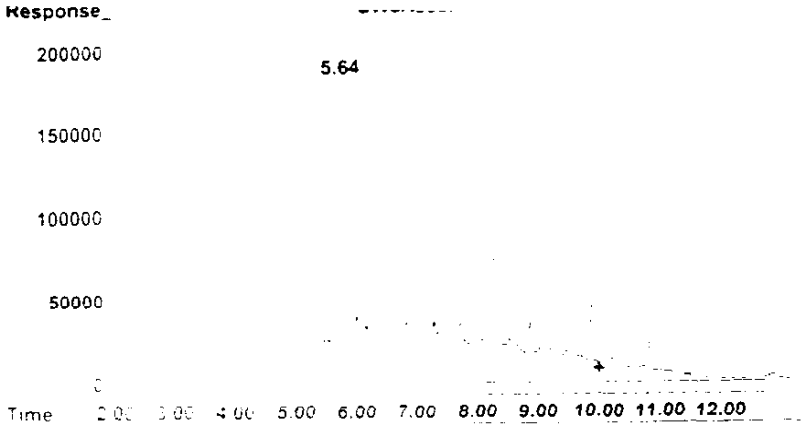
(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A904R.D W1130DR.M Wed Dec 01 09:05:44 1999 BUDDY Page 42

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A905R.D Vial: 6
Acq On : 30 Nov 1999 20:03 Operator: JAA
Sample : S-9366 HH Inst : SW3
Misc : DIESEL (2000 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:01 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

[illegible] : [illegible] uL
[illegible] : RTX-5
[illegible] : [illegible]





R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 127333841
Conc: 2027.13 ug/mL m

SW8A905R.D W1130DR.M Wed Dec 01 09:05:51 1999 BUDDY

Page 34

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A905R.D Vial: 6
Acq On : 30 Nov 1999 20:03 Operator: JAA
Sample : 5 9166 HH Inst : SW3
Misc : DIESEL (2000 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:01 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAnal Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.31	25142605	399.308 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	127333841	2027.133 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A905R.D W1130DR.M Wed Dec 01 09:05:50 1999 BUDDY Page 1
C46045

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A906R.D Vial: 7
Acq On : 30 Nov 1999 20:44 Operator: JAA
Sample : S-9551 ICV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e

Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response Via : Multiple Level Calibration

Min. RRF : 1.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

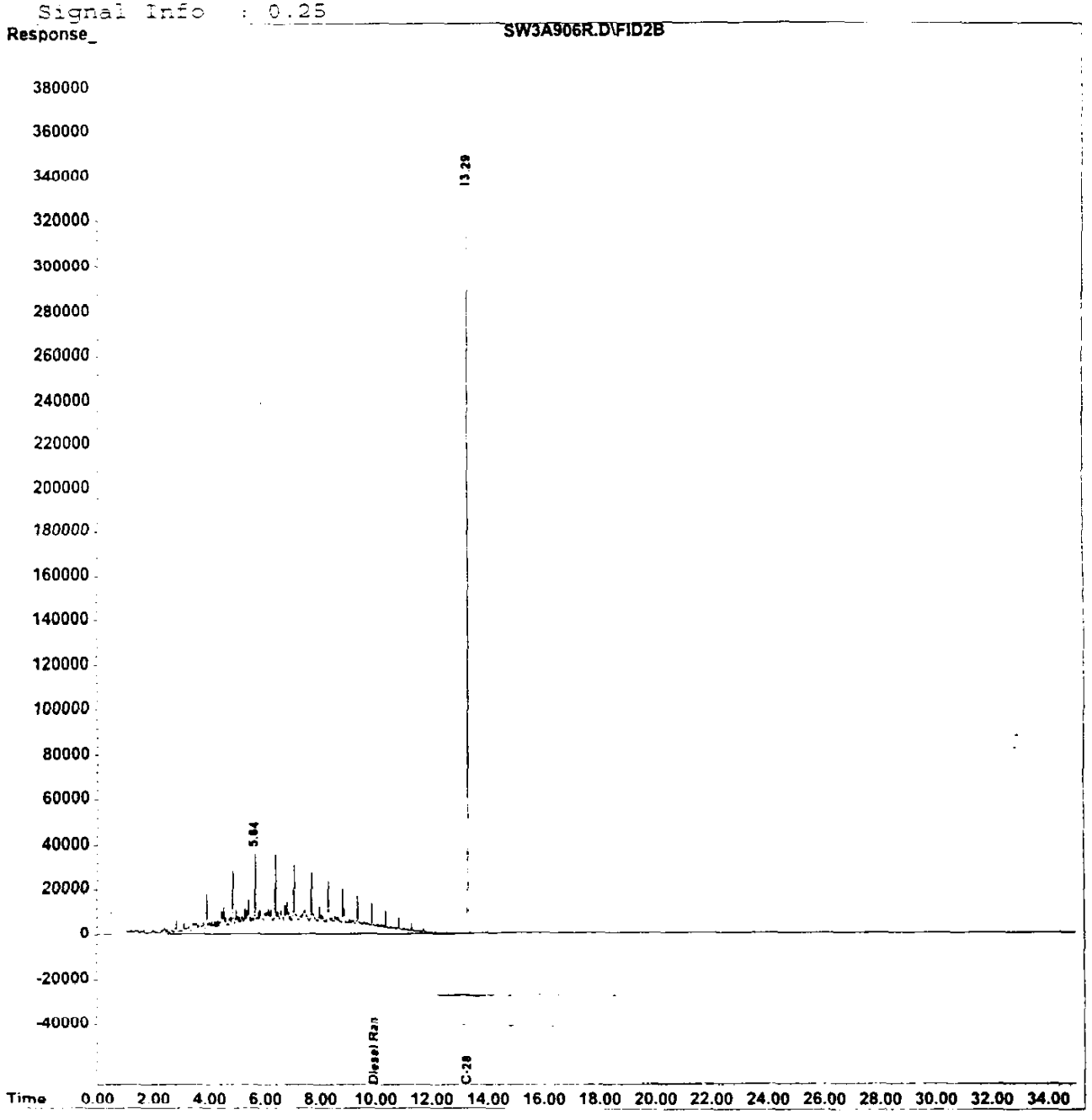
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	H	Diesel Range Organics	500.000	503.508	-0.7	0	0.00
2	S	D-DE	100.000	93.782	6.2	0	0.00

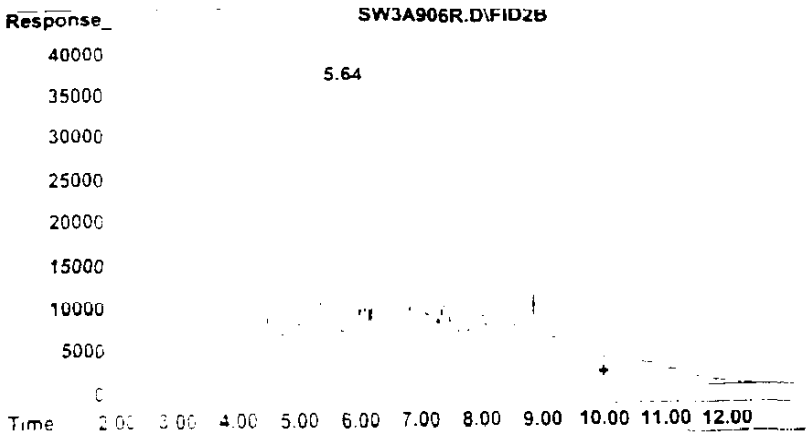
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A906R.D Vial: 7
Acq On : 30 Nov 1999 20:44 Operator: JAA
Sample : S-9551 ICV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:03 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31944432
Conc: 503.51 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A906R.D Vial: 7
Acq On : 30 Nov 1999 20:44 Operator: JAA
Sample : S-9551 ICV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:03 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6164807	93.782 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	31944432	503.508 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A906R.D W1130DR.M Wed Dec 01 09:05:54 1999 BUDDY Page 1
040049

Data File : D:\ORG\SVOA\FID\SW3\30NOV99\SW3A920R.D Vial: 1
Acq On : 12 Dec 1999 21:33 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL 500 ug/mL Multiplr: 1.00
IntFile : events.e

Method : D:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

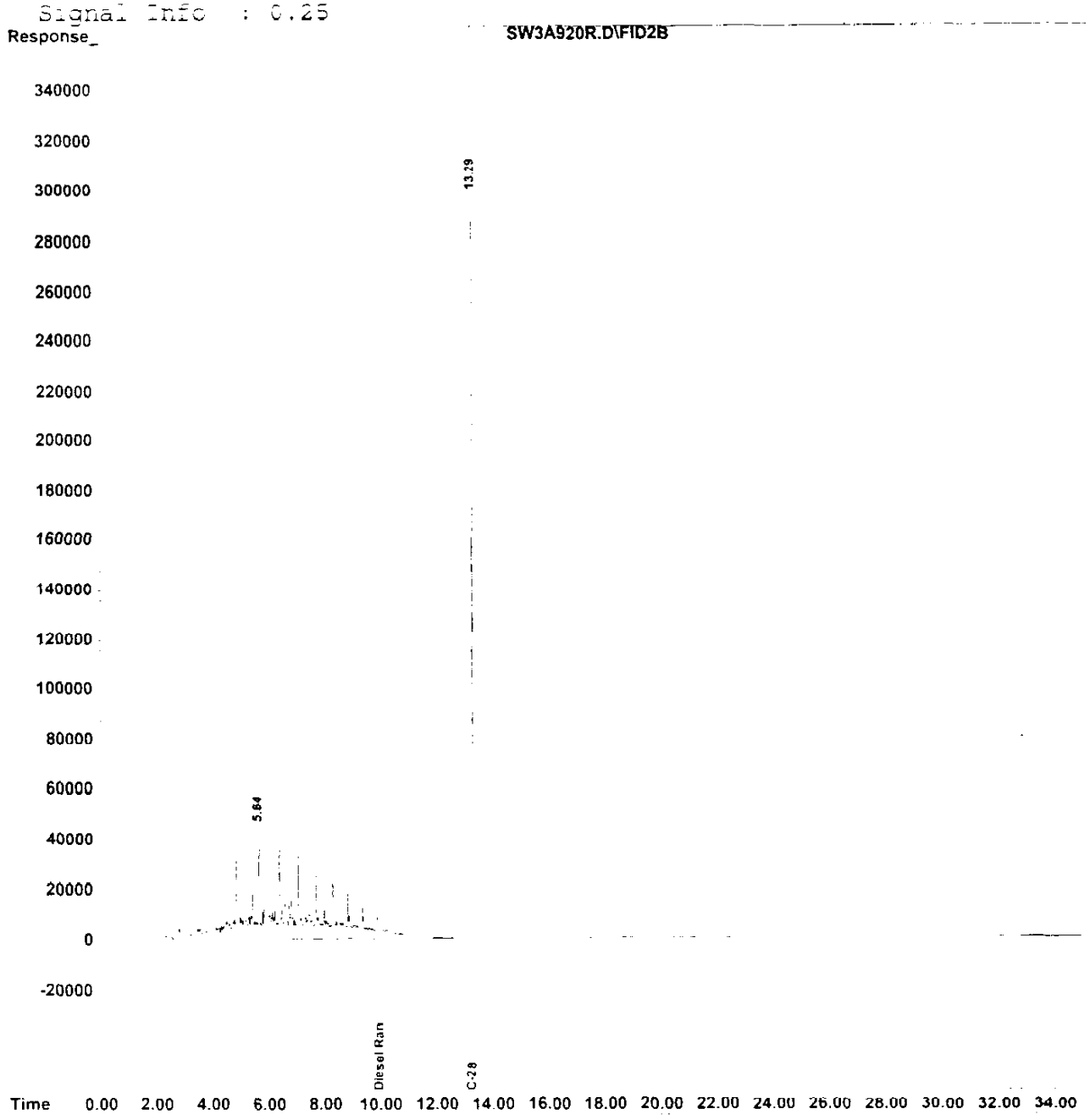
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	H	Diesel Range Organics	500.000	470.674	5.9	0	0.00
2	S	C-28	100.000	87.561	12.4	0	0.00

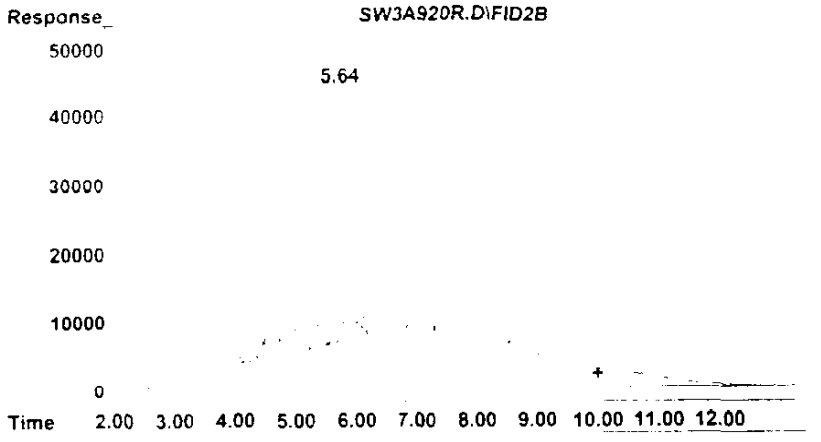
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File : C:\ORG SVOA FID\SW3\30NOV99\SW3A920R.D Vial: 1
Acq On : 12 Dec 1999 21:33 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL .500 ug/mL Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 12 22:27 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 29861346
Conc: 470.67 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A920R.D Vial: 1
Acq On : 12 Dec 1999 21:33 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 12 22:27 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5755818	87.561 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	29861346	470.674 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A920R.D W1130DR.M Sun Dec 12 22:28:10 1999 BUDDY Page 1

Data File : O: ORG SVOA FID\SW3\30NOV99\SW3A932R.D Vial: 13
Acq On : 11 Dec 1999 5:45 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL 500 ug/mL Multiplr: 1.00
IntFile : events.e

Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration

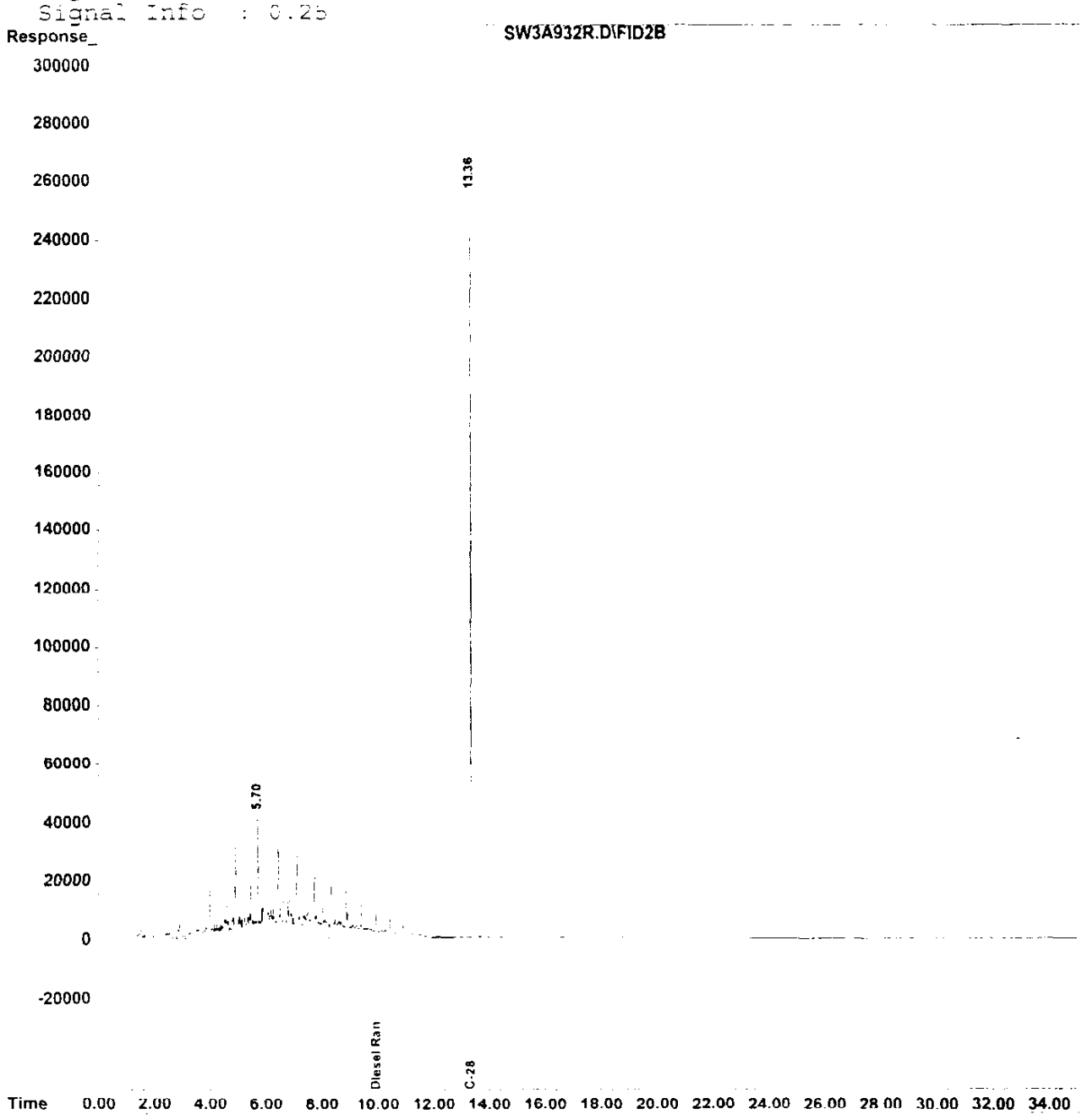
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

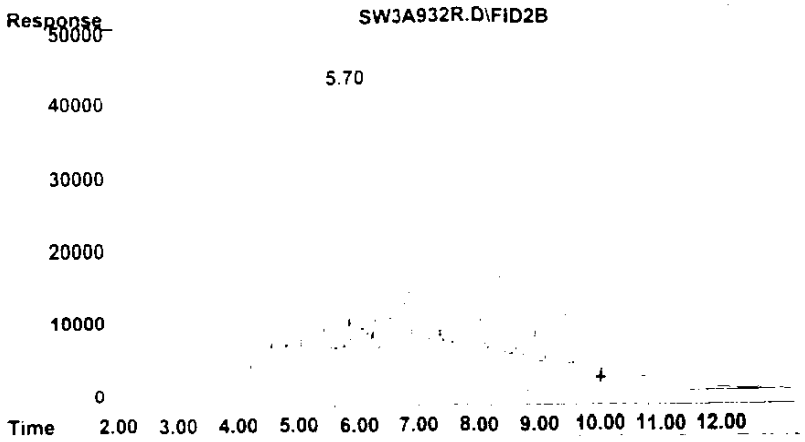
	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 H	Diesel Range Organics	500.000	442.663	11.5	0	0.00
2 S	C-28	100.000	76.901	23.1	0	0.07

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A932R.D Vial: 13
Acq On : 13 Dec 1999 5:45 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:24 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 28084242
Conc: 442.66 ug/mL m

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A932R.D Vial: 13
Acq On : 13 Dec 1999 5:45 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:24 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.36f	5055115	76.901 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	28084242	442.663 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A932R.D W1130DR.M Mon Dec 13 09:34:49 1999 BUDDY Page 1

010057

Evaluate Continuing Calibration

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A935R.D Vial: 16
Acq On : 13 Dec 1999 7:48 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e

Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration

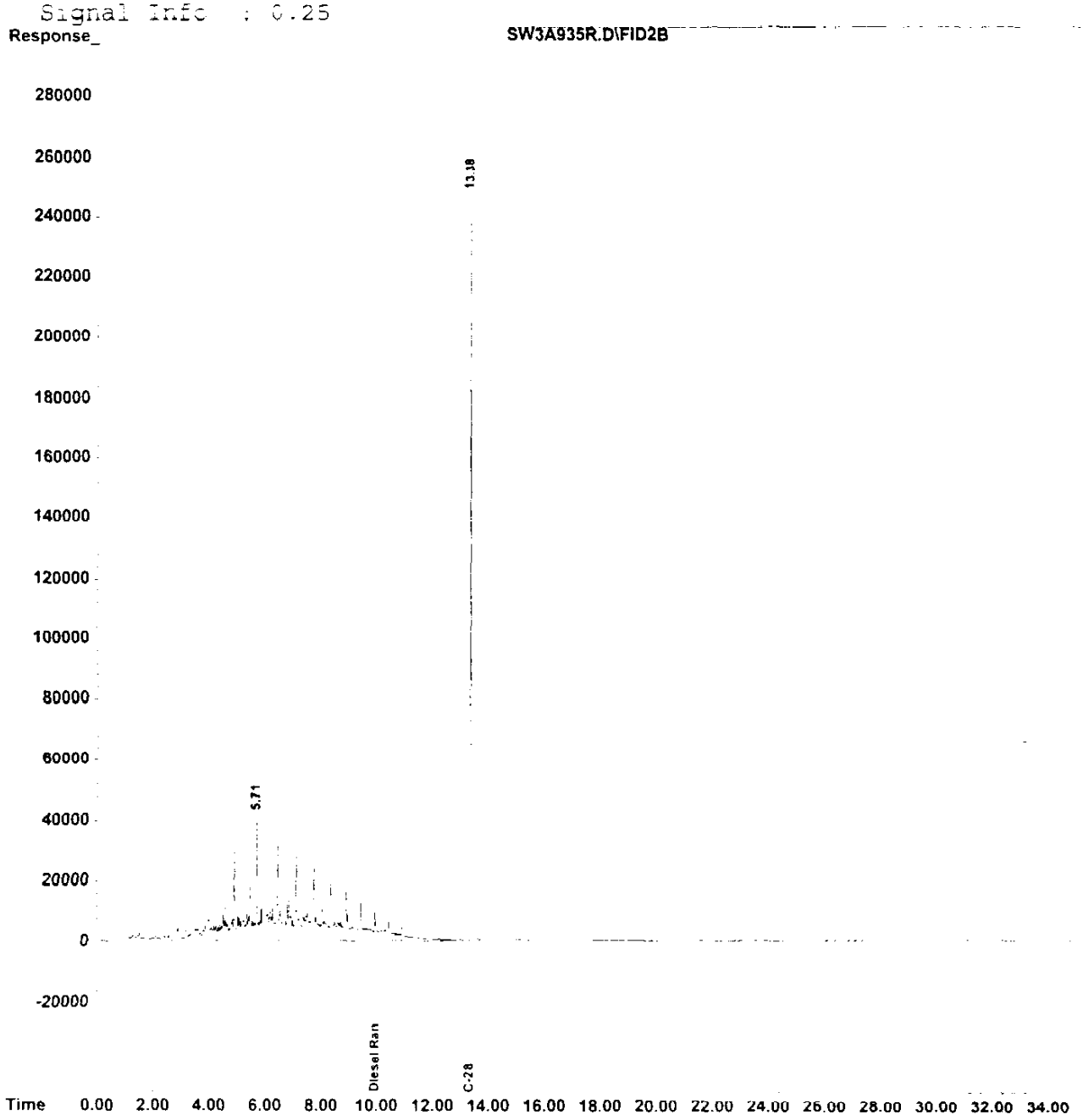
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	H	Diesel Range Organics	500.000	436.078	12.8	0	0.00
2	S	C-28	100.000	74.044	26.0#	0	0.09

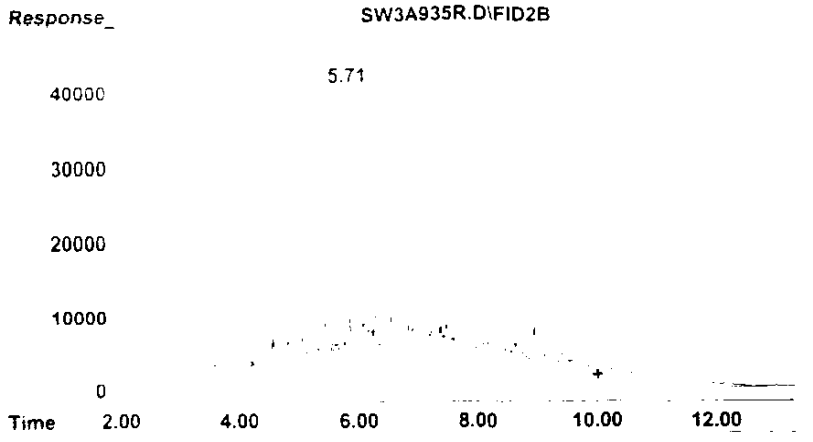
Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A935R.D Vial: 16
Acq On : 13 Dec 1999 7:48 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:26 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



010059



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 27666432
Conc: 436.08 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A935R.D Vial: 16
Acq On : 13 Dec 1999 7:48 Operator: JAA
Sample : S-9452 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:26 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.38f	4867331	74.044 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	27666432	436.078 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A935R.D W1130DR.M Mon Dec 13 09:34:57 1999 BUDDY Page 1

D. Raw QC Data

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB912121

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: TB912121

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A921R.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/12/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

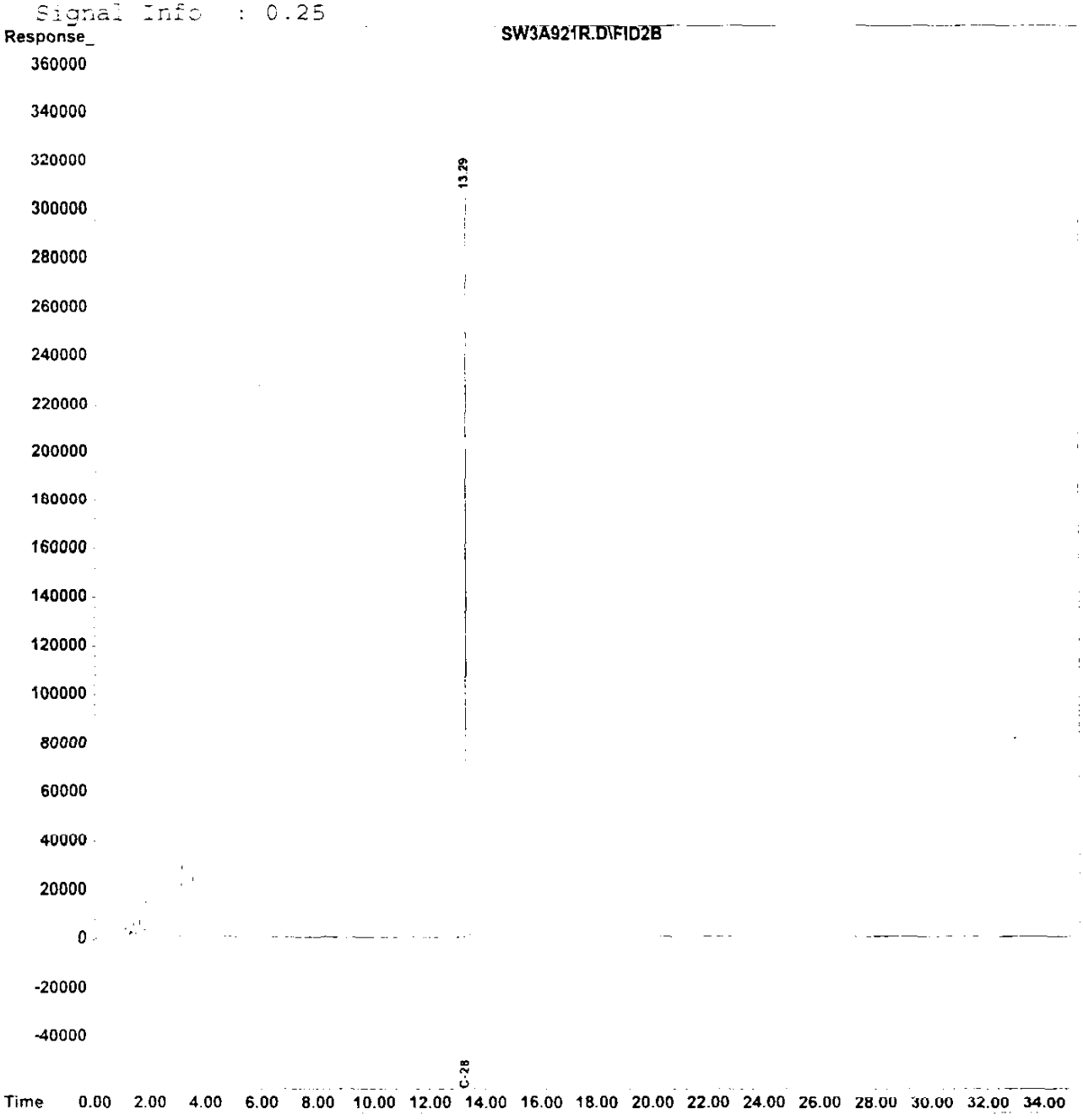
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	5000	U

Quantitation Report

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A921R.D Vial: 2
Acq On : 12 Dec 1999 22:14 Operator: JAA
Sample : TB912121 Inst : SW3
Misc : TB912121 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:36 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



040064

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A921R.D Vial: 2
Acq On : 12 Dec 1999 22:14 Operator: JAA
Sample : TB912121 Inst : SW3
Misc : TB912121 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:36 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5948382	90.490 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int
SW3A921R.D W1130DR.M Mon Dec 13 09:37:32 1999 BUDDY Page 1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TL912121

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: TL912121

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A922R.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/12/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

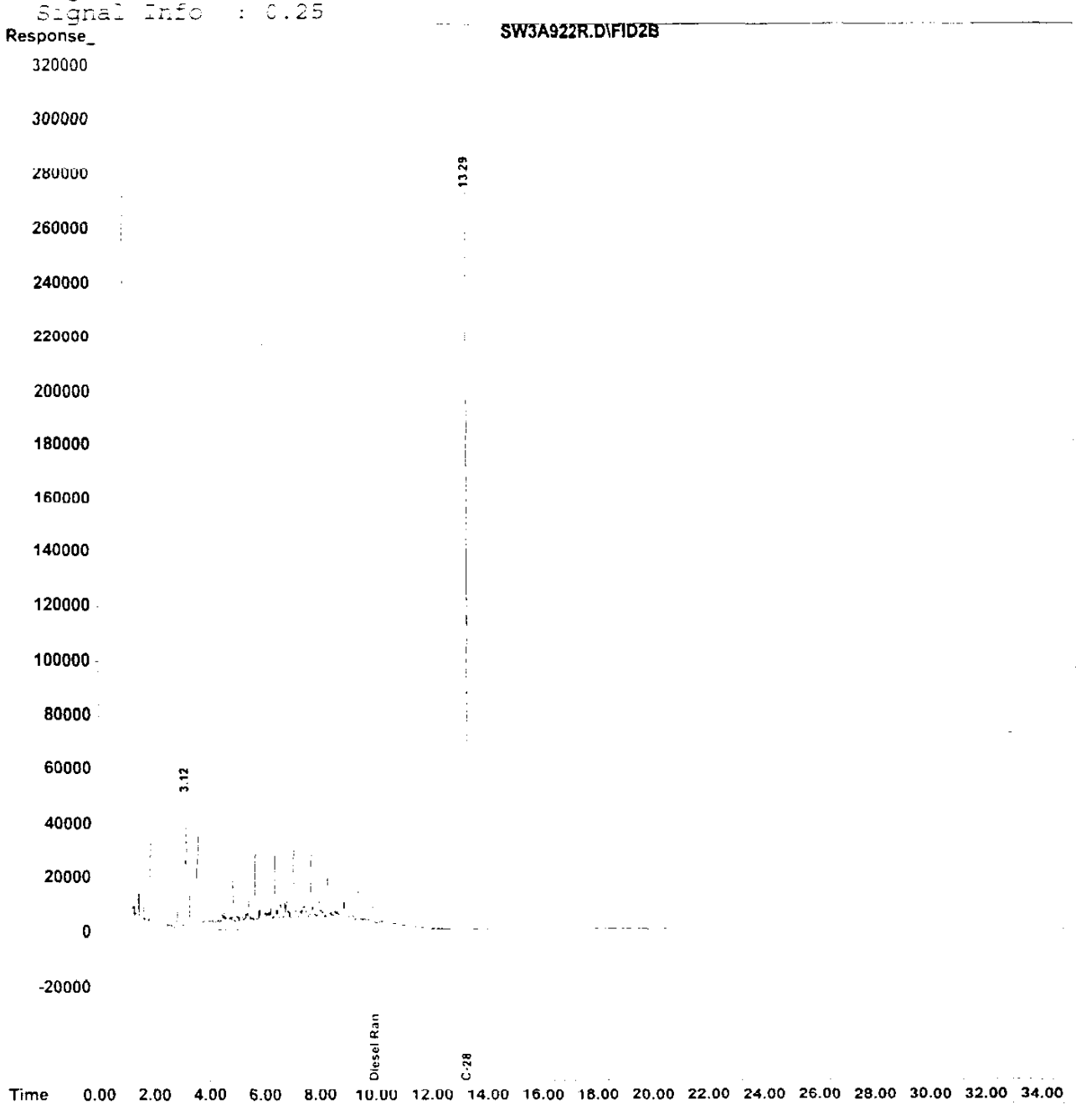
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	24000	

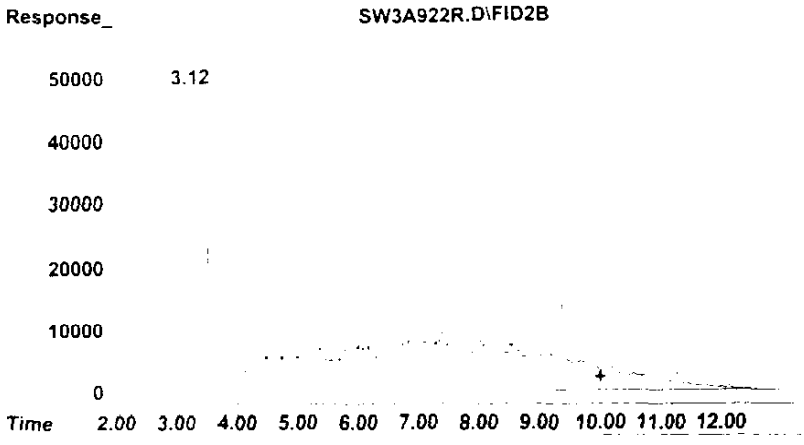
03006

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A922R.D Vial: 3
Acq On : 12 Dec 1999 22:55 Operator: JAA
Sample : TL912121 Inst . SW3
Misc : TL912121 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:18 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31015774
Conc: 488.87 ug/mL m

Quantitation Report

Data File : C:\ORG\SVOA\FID\SW3\30NOV99\SW3A922R.D Vial: 3
Acq On : 12 Dec 1999 22:55 Operator: JAA
Sample : TL912121 Inst : SW3
Misc : TL912121 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:18 1999 Quant Results File: W1130DR.RES

Quant Method : C:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5336415	81.180 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	31015774	488.870 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A922R.D W1130DR.M Mon Dec 13 09:34:12 1999 BUDDY Page 1

040069

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G3A-2MS

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913660MS

Sample wt/vol: 20.1 (g/ml) G Lab File ID: SW3A930R.D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture: 25 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

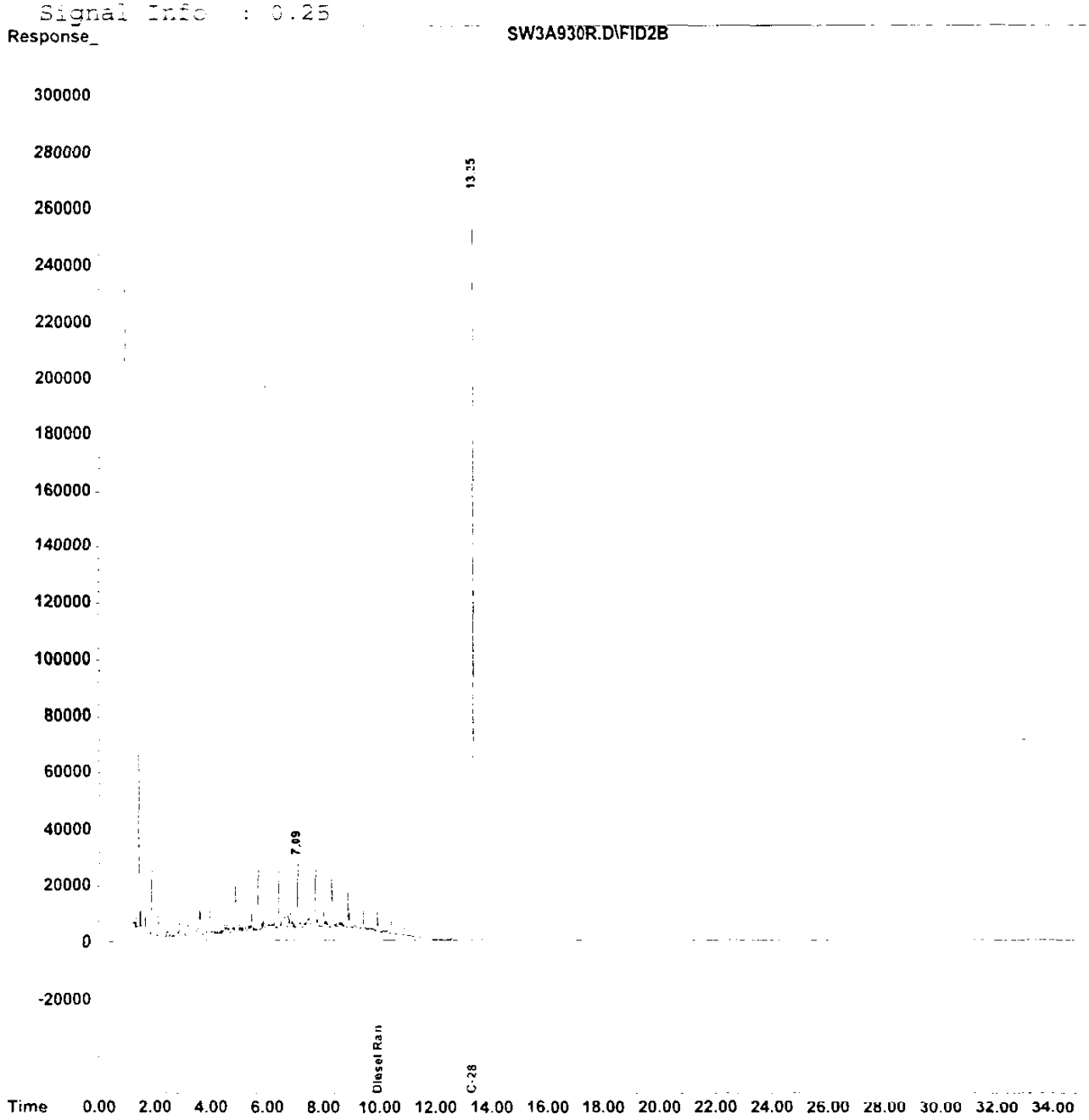
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	27000	

Quantitation Report

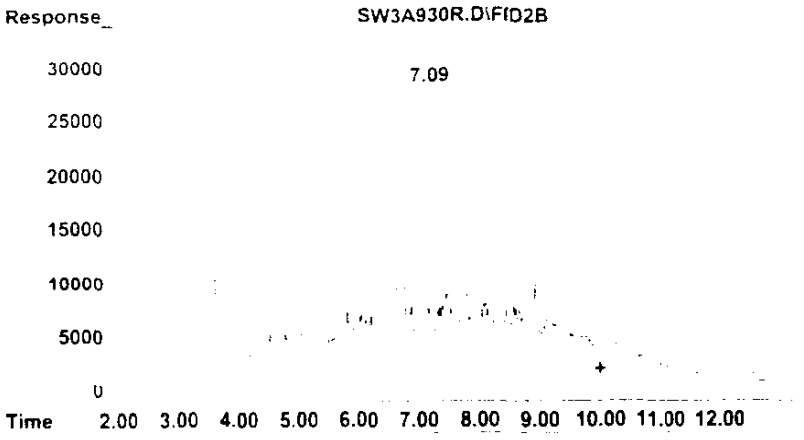
Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A930R.D Vial: 11
Acq On : 13 Dec 1999 4:23 Operator: JAA
Sample : 9913660MS Inst : SW3
Misc : 683-F-G3A-2MS Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:22 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



043071



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 25837461
Conc: 407.25 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A930R.D Vial: 11
Acq On : 13 Dec 1999 4:23 Operator: JAA
Sample : 9913660MS Inst : SW3
Misc : 683-F-G3A-2MS Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:22 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.35f	5152726	78.386 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	25837461	407.250 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A930R.D W1130DR.M Mon Dec 13 09:34:44 1999 BUDDY Page 1

040073

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G3A-2MSD

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991763 SAS No.: SDG No.: 9913654

Matrix: (soil/water) SOIL Lab Sample ID: 9913660MSD

Sample wt/vol: 20.1 (g/ml) G Lab File ID: SW3A933R.D

Level: (low/med) LOW Date Received: 12/11/99

% Moisture: 25 decanted:(Y/N) N Date Extracted: 12/12/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

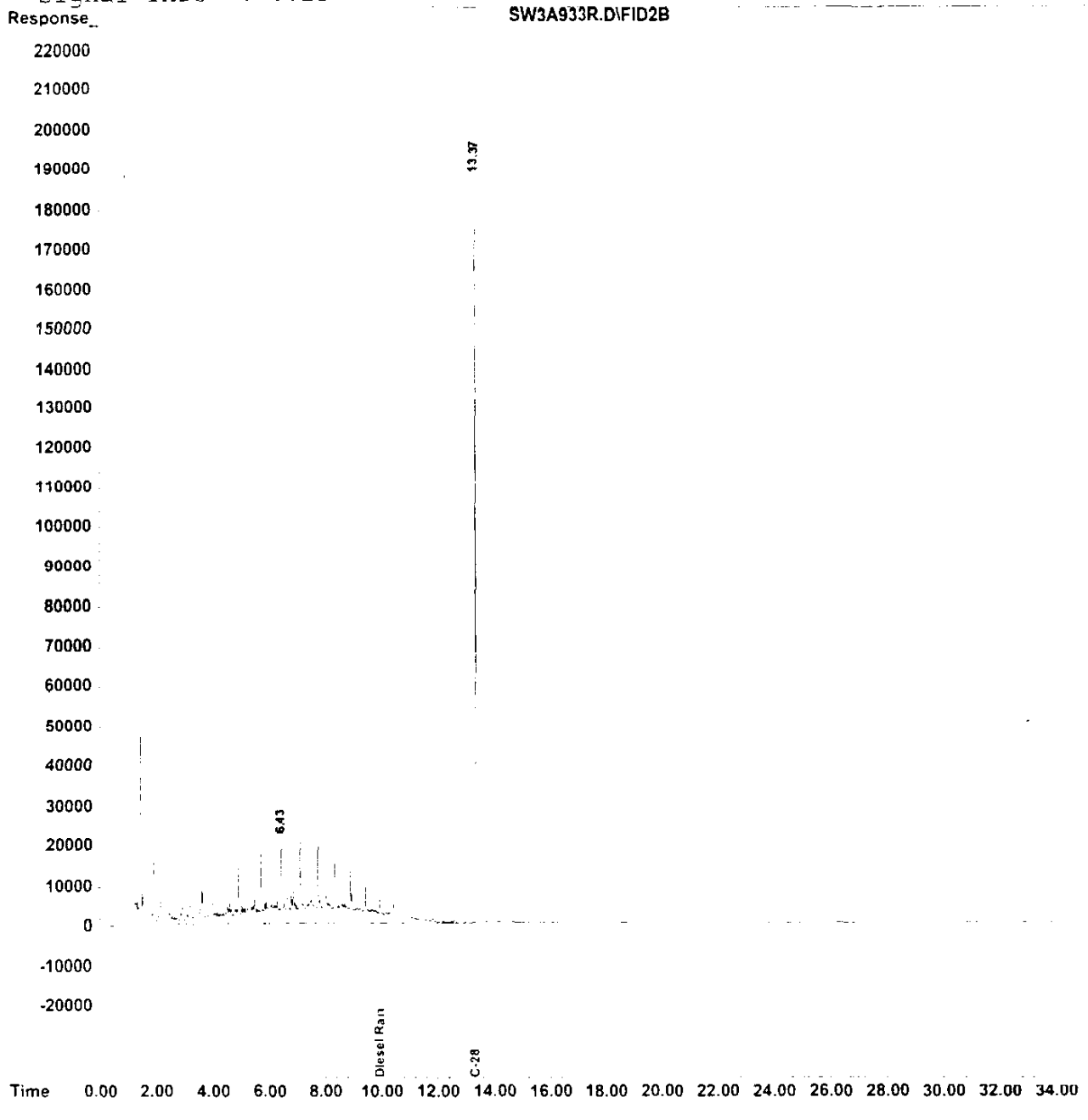
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	20000	

Quantitation Report

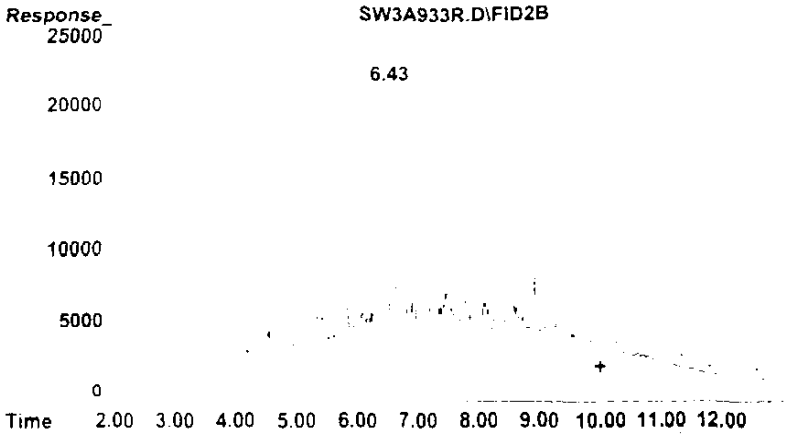
Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A933R.D Vial: 14
Acq On : 13 Dec 1999 6:27 Operator: JAA
Sample : 9913660MSD Inst : SW3
Misc : 683-F-G3A-2MSD Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:31 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



040075



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 19426262
Conc: 306.20 ug/mL m

Quantitation Report

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A933R.D Vial: 14
Acq On : 13 Dec 1999 6:27 Operator: JAA
Sample : 9913660MSD Inst : SW3
Misc : 683-F-G3A-2MSD Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 13 9:31 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.37f	3706736	56.389 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	19426262	306.196 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A933R.D W1130DR.M Mon Dec 13 09:34:53 1999 BUDDY Page 1

E. Laboratory Logs

STL LABORATORIES EXTRACTION SHEET GC/FID TPH SOIL

JH 12/12/99

STL REPORT # 991763
REF #'S

CLIENT	IT CORP	EXTRACTION CHEMIST	MS		EXTRACTION METHOD#	5W 8015 DRO
BATCH #	T912121	CONCENTRATION CHEMIST	MS	WATER BATH TEMP 75-90 VERIFIED INIT MS	CLEANUP METHOD#	N/A
SPIKED BY:	MS	SURR SOLN: 5-9750 (500 ug/mL)		EXT START DATE & TIME 12/12/99	EXT/VIAL SOLVENT	CH2CL2/CH2CL2
WITNESS:	JH	TPH M.S SOLN: 5-9944 (500 ug/mL)		EXT END DATE & TIME 12/12/99	SOLVENT LOT #	E00049
EAL SOP #:	EAL-M-3550B-1			FINAL CONC DATE		

STL NUMBER	CLIENT ID	FRACTION	MATRIX	INITIAL AMOUNT (20g)	SURR VOLUME	MS VOLUME	CLEAN UPS N/A	CLEAN UPS N/A	METHOD FINAL VOL	GPC FINAL VOL (if applicable)	COMMENTS
TB912121	TB912121	TPH DRO	Soil	20.0	0.2 mL	N/A	N/A	N/A	1.0 mL	NA	
TL912121	TL912121	TPH DRO	Soil	20.0	0.2 mL	1.0mL					
9913654	683-F-H3-2	TPH DRO	Soil	20.0	0.2 mL	N/A					
9913655	683-F-H3-1	TPH DRO	Soil	20.0	0.2 mL						
9913656	683-H2W2	TPH DRO	Soil	20.0	0.2 mL						
9913657	683-F3W1	TPH DRO	Soil	20.0	0.2 mL						
9913658	683-H3W2	TPH DRO	Soil	20.0	0.2 mL						
9913659	683-F-G3A-1	TPH DRO	Soil	20.0	0.2 mL						
9913660	683-F-G3A-2	TPH DRO	Soil	20.1	0.2 mL						
9913660MS	683-F-G3A-2	TPH DRO	Soil	20.1	0.2 mL	1.0mL					
9913660MSD	683-F-G3A-2	TPH DRO	Soil	20.1	0.2 mL	1.0mL					
										12-12	99 MS

Additional Comments:

NES to do MS/MSD on client requested sample 9913657 JH 12/12/99

Were extraction holding times met? Y
Were the proper spikes used? Y
Is the final volume correct? Y
Was an MS/MSD extracted with this batch? Y
If not, was an LCS duplicate extracted? N/A

Were TCLP/DI WET extraction holding times met? N/A
Was a TMS extracted for each client? N/A
Was the extraction sheet reviewed for ID's/errors? Y
Have all associated memos/E-mail/NCRs been included? Y

TOTAL SAMPLE 11 CHECKED: JH 12/12/99 RECEIVED:

040079

Directory: o:\org\svoa\fid\sw3\30nov99

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	sw3a900r.d	1.	S-9114 RTM	C10-C28EVEN	30 Nov 99 16:38
2	2	sw3a901r.d	1.	S-9370 LL	DIESEL (50 ug/mL)	30 Nov 99 17:19
3	3	sw3a902r.d	1.	S-9369 ML	DIESEL (200 ug/mL)	30 Nov 99 18:00
4	4	sw3a903r.d	1.	S-9452 MM	DIESEL (500 ug/mL)	30 Nov 99 18:41
5	5	sw3a904r.d	1.	S-9367 MH	DIESEL (1000 ug/mL)	30 Nov 99 19:22
6	6	sw3a905r.d	1.	S-9366 HH	DIESEL (2000 ug/mL)	30 Nov 99 20:03
7	7	sw3a906r.d	1.	S-9551 ICV	DIESEL (500 ug/mL)	30 Nov 99 20:44
8	8	sw3a907r.d	1.	TB911241	TB911241	30 Nov 99 21:25
9	9	sw3a908r.d	1.	TD911241	TD911241	30 Nov 99 22:06
10	10	sw3a909r.d	1.	TL911241	TL911241	30 Nov 99 22:47
11	11	sw3a910r.d	1.	9912744	DIESEL (IA353)	30 Nov 99 23:28
12	12	sw3a911r.d	1.	9912750	DIESEL (50021)	1 Dec 99 00:09
13	13	sw3a912r.d	1.	SOLVENT	SOLVENT	1 Dec 99 00:50
14	14	sw3a913r.d	1.	TB911242	TB911242	1 Dec 99 01:31
15	15	sw3a914r.d	1.	TD911242	TD911242	1 Dec 99 02:12
16	16	sw3a915r.d	1.	TL911242	TL911242	1 Dec 99 02:53
17	17	sw3a916r.d	1.	9912745	DIESEL (IA353)	1 Dec 99 03:34
18	18	sw3a917r.d	1.	9912751	DIESEL (40016)	1 Dec 99 04:15
19	19	sw3a918r.d	1.	SOLVENT	SOLVENT	1 Dec 99 04:56
20	20	sw3a919r.d	1.	S-9452 CCV	DIESEL (500 ug/mL)	1 Dec 99 05:37
21	1	sw3a920r.d	1.	S-9452 CCV	DIESEL (500 ug/mL)	12 Dec 99 21:33
22	2	sw3a921r.d	1.	TB912121	TB912121	12 Dec 99 22:14
23	3	sw3a922r.d	1.	TL912121	TL912121	12 Dec 99 22:55
24	4	sw3a923r.d	1.	9913654	683-F-H3-2	12 Dec 99 23:36
25	5	sw3a924r.d	1.	9913655	683-F-H3-1	13 Dec 99 00:17
26	6	sw3a925r.d	1.	9913656	683-H2W2	13 Dec 99 00:59
27	7	sw3a926r.d	1.	9913657	683-F3W1	13 Dec 99 01:39
28	8	sw3a927r.d	1.	9913658	683-H3W2	13 Dec 99 02:20
29	9	sw3a928r.d	1.	9913659	683-F-G3A-1	13 Dec 99 03:01
30	10	sw3a929r.d	1.	9913660	683-F-G3A-2	13 Dec 99 03:42
31	11	sw3a930r.d	1.	9913660MS	683-F-G3A-2MS	13 Dec 99 04:23
32	12	sw3a931r.d	1.	SOLVENT	MECL2	13 Dec 99 05:04
[illegible]	13	sw3a932r.d	1.	S-9452 CCV	DIESEL (500 ug/mL)	13 Dec 99 05:45
34	14	sw3a933r.d	1.	9913660MSD	683-F-G3A-2MSD	13 Dec 99 06:27
35	15	sw3a934r.d	1.	SOLVENT	MECL2	13 Dec 99 07:07
36	16	sw3a935r.d	1.	S-9452 CCV	DIESEL (500 ug/mL)	13 Dec 99 07:48

EA Laboratories
% SOLIDS

Severn Trent Laboratories-Baltimore
Total Solids (% Solids and % Moisture)

PAGE# 559

Analysis Start Date:	12/12/99	(mm/dd/yy)	True Cal Wt. (g):	5.00	
Analyst:	RDL		Meas. Cal. Wt. (g):	5.00	
File ID:	TS121299	(TSmmddyy)	File QC Initials:		
Directory:	F:\TSOLIDS		File QC Date:		(mm/dd/yy)

Dish ID	Sample ID	Dish Wt. (g)	Wet Samp+Dish (g)	Dry Samp+Dish (g)	Wet Wt. Sample (g)	Dry Wt. Sample (g)	%Solids (%)	%Moisture (%)
1	99121[illegible]	1.30	6.38	1.30	5.08	0.00	0.00	100.00
2	9913654	1.30	6.83	5.43	5.53	4.13	74.68	25.32
3	9913655	1.29	6.74	4.61	5.45	3.32	60.92	39.08
4	9913656	1.29	6.98	5.64	5.69	4.35	76.45	23.55
5	9913657	1.29	9.35	6.44	8.06	5.15	63.90	36.10
6	9913658	1.30	6.60	4.48	5.30	3.18	60.00	40.00
7	9913659	1.29	6.73	4.78	5.44	3.49	64.15	35.85
8	9913660	1.29	6.65	5.32	5.36	4.03	75.19	24.81
9	9913660D	1.29	7.98	6.33	6.69	5.04	75.34	24.66

Analyst: RDL
Date: 12/13/99
QC'd by: _____
QC Date: _____

File ID: TS121299.XLS
Print Date: 12/13/99

EA Laboratories SEMI-Volatiles Lab Standards Logbook Book # : 10

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9590	Pest Surrogate	S-9561	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone UN1090	07/12/99	07/06/00		IP
S-9591	2,4'-DDT	Restek A012353	1000 ug/ml	—	—	—	MeOH	[illegible] 12-2-99	11-01		JH
S-9592	2,4-DDD	Restek A010764	1000 ug/ml	—	—	—	MeOH		9-00		IP
S-9593	2,4 DDE	Restek A010765	1000 ug/ml	—	—	—	MeOH		9/00		IP
S-9594	Endosulfan I	Restek A014057	1000 ug/ml	—	—	—	MeOH		7/00		IP
S-9595	Dacthal	Restek A014924	1000 ug/ml	—	—	—	MeOH		10/01		IP
S-9596	trans-Nonachlor	Restek A011943	1000 ug/ml	—	—	—	MeOH		03/01		IP
S-9597	Pest MSADD (substock) comp	S-9591	↓	1 ml	10 ml	100 ug/ml	MeOH UN1320	12/7/99	6/7/00		IP
↓	↓	S-9592	↓	↓	↓	↓	↓	↓	↓		↓
↓	↓	S-9593	↓	↓	↓	↓	↓	↓	↓		↓
↓	↓	S-9594	↓	↓	↓	↓	↓	↓	↓		↓
↓	↓	S-9595	↓	↓	↓	↓	↓	↓	↓		↓
↓	↓	S-9596	↓	↓	↓	↓	↓	↓	↓		↓
↓	↓	S-9598	↓	↓	↓	↓	↓	↓	↓		↓
S-9598	Endosulfan Sulfate	Restek A012844	1000 ug/ml	—	—	—	MeOH	12/7/99	12/00		IP
S-9599	Mirex (substock)	S-9229	1000 ug/ml	100 ul	10 ml	10 ug/ml	MeOH UN1230	12/7/99	6/7/00		IP
S-9600	Pest MDL ADD	S-9597	100 ug/ml	25 ul	25 ml	0.1 ug/ml	MeOH UN1230	12/7/99	6/7/00		IP
↓	↓	S-9599	10 ug/ml	250 ul	25 ml	0.1 ug/ml	MeOH UN1230	12/7/99	6/7/00		IP
↓	↓	S-9438	100 ug/ml	25 ul	↓	↓	↓	↓	↓		↓
S-9601	A-mix Pest A-Mix ICV	S-9179 S-~~[illegible]~~	8-80 ug/ml	500 ul	100 ml	0.04-0.4 ug/ml	Fisher HEX-H3034	12/08/99	6/08/2000		TS
S-9602	Diesel Mm	S-9366	2000 ug/ml 400	6.25 mL	25 mL	500 ug/ml 100	MeCl2 / BV1602	120899	012400		[illegible]

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SEMI-Volatiles Lab Standards Logbook

Book # : 10

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9550	C58	Supelco 83H0665	99%	.05g	25mL	2000ug/mL	MeCl2/BU602	110999	050900		[illegible]
S-9551	Diesel ICV	Ultra P-0593 CGO 611	5000ug/mL	2.5mL	25mL	500ug/mL	MeCl2/BU602	↓	↓		↓
	C18	S-9550	2000ug/mL	1.25mL	↓	100ug/mL	↓	↓	↓		↓
S-9552	Cyl Stock	Chemservice 219 B7A	98%	.0025g	25mL	100ug/mL	MeCl2/BU602	110999	050999		[illegible]
S-9553	Pesticide Surr.	S-9413	200ug/mL	0.1mL	100mL	0.6ug/mL	[illegible]	11-9-99	5-1-00		JH
S-9554	2-Nitroaniline GC Explosive Surr	T-2023	5110 µg/mL	78 µL	10mL	40µg/mL	Acetonitrile BES BP973	11/9/99	10/4/00		WEM
S-9555	N+T 2a-4,6-DNT	S-9263	1000µg/mL	2µL	10mL	0.2µg/mL	↓	11/10/99	5/5/2000		WEM
↓	4a-2,6-DNT	S-9264 ½	[illegible]	2µL	↓	0.2µg/mL	↓	↓	↓		↓
↓	RDX	S-9265	↓	10µL	↓	1.0µg/mL	↓	↓	↓		↓
↓	HMX	S-9266	↓	75µL	↓	7.5µg/mL	↓	↓	↓		↓
↓	Tetryl	S-9264	↓	50µL	↓	5.0µg/mL	↓	↓	↓		↓

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'A Laboratories SEMI-Volatile Lab Standards Logbook Book # : 10

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	
S-9440	PEST B3 ICV Stock	Restek A013604	8-16 ug/ml	–	–	–	HEX ~~994~~	9-10-99	7-03		R
S-9441	PEST B3 ICV	S-9440	8-16 ug/ml	500 ul	100 ml	0.04-0.08 ug/ml	HEX 994072	9-10-99	3-10-00		R
S-9442	Diesel Stock	S-8779	Neat	~~1.25~~ .5 g	~~25~~ 10 mL	50,000 ug/ml	Toluene	011199	031199		
S-9443	Diesel MS	S-9442	50,000 ug/ml	5 mL	100 mL	2500 ug/ml	80:20 Acetone	↓	↓		
S-9444	Stockton MS	↓	↓	1 mL	↓	500 ug/ml	↓	↓	↓		
S-9445	Ar 1221	Restek A008324	1000 PPM	–	–	–	–	9/13/99	2/2000		7
S-9446	Ar 1221	S-9445	↓	20 ul	100 ml	0.2 ug/ml	Fisher HEXANE/H207-4	↓	3/2000		7
S-9447	TOXAPHENE	Restek A00821L	1000 PPM	–	–	–	–	9/13/99	6/2000		
S-9448	Toxaphene	S-9447	↓	200 ul	100 ml	0.5 ug/ml	Fisher HEXANE/H207-4	↓	3/2000		
S-9449	Triphenylphosphate	Chem Serv 227-43A	500 ug/ml	–	–	–	t-butyl methyl ether	opened 9-13-99	11-00		J
S-9450	Tributylphosphate	Chem Serv 231-113A	2000 ug/ml	–	–	–	acetone	↓	2/01		
S-9451	8141 ~~Surrogate~~ ~~MS~~ M.S.	S8858	1000 ug/ml	0.50 ~~0.25~~ mL	50 ~~25~~ mL	10 ug/ml	MeOH UN1230	9-13-99	12-99		J
S-9452	Diesel MM	S-9366	2000/400 ug/ml	6.25 mL	25 mL	500/100 ug/ml	MeOH/BU602	091499	012400		
S-9453	Pesticide Surrogate	S-9413	200 ug/ml	0.6 mL	200 mL	0.6 ug/ml	acetone BU516	9-16-99	3-16-00		J
S-9454	OP Pest 8141 Surr	S-9449	500 ug/ml	4.0 mL	100 mL	20 ug/ml	MeOH N10273	9-18-99	3-18-00		J
↓	↓	S-9450	2000 ug/ml	1.0 mL	↓	↓	↓	↓	↓		
S-9455	Chlordane Stock	Restek A013176	1000 ug/ml	--	–	–	hexane	9-21-99	8-03		J
S-9456	Chlordane MDL Spike	S-9455	↓	50 ul	50 mL	1.0 ug/ml	acetone BU516	↓	3-21-00		J
S-9457	Pesticide Surrogate	S-9413	200 ug/ml	0.6 ml	200 mL	0.6 ug/ml	acetone BU516	9-23-99	3-23-00		J
S-9458	C28 Surr.	Sigma 83H0685	99%	250 mg	500 ml	500 ug/ml	80:20 Acetone/Mech BU123/BU660	9/23/99	3/23/00		
S-9459	BZ-87	EM Science A2030342	100 ug/ml	/	/	/	/	9/24/99	10/1/00		
S-9460	BZ-49	EM Science A9020149	100 ug/ml	/	/	/	/	↓	10/1/00		

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SEMI-Volatiles Lab Standards Logbook

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9440	PEST B3 ICV STOCK	Restek A013604	8-16 ug/mL	—	—	—	HEX ~~994402~~ 9-10-99	9-10-99	7-03		RMC
S-9441	PEST B3 ICV	S-9440	8-16 ug/mL	500 ul	100 mL	0.04-0.08 ug/mL	HEX 994072	9-10-99	3-10-00		RMC
S-9442	Diesel Stock	S-8779	Neat	.5 ~~1.25~~ g	10 ~~25~~ mL	50,000 ug/mL	Toluene	091199	031199 00		JAA
S-9443	Diesel MS	S-9442	50,000 ug/mL	5mL	100mL	2500 ug/mL	80:20 Acetone/Mecl2	↓	↓		↓
S-9444	Stockton MS	↓	↓	1mL	↓	500 ug/mL	↓	↓	↓		↓
S-9445	Ar 1221	Restek A008324	1000PPM	—	—	—	—	9/13/99	2/2000		TJ
S-9446	Ar 1221	S-9445	↓	20ul	100ml	0.2ug/ml	Fisher HEXANE/H307-4	↓	3/2000		TJ
S-9447	TOXAPHENE	Restek A001212	1000PPM	—	—	—	—	9/13/99	6/2000		↓
S-9448	Toxaphene	S-9447	↓	200ul	100ml	0.5ug/ml	Fisher HEXANE/H307-4	↓	3/2000		↓
S-9449	Triphenylphosphate	Chem Serv 227-43A	500 ug/mL	—	—	—	t-butyl methyl ether	opened 9-13-99	11-00		JH
S-9450	Tributylphosphate	Chem Serv 231-113A	2000 ug/mL	—	—	—	acetone	↓	2/01		↓
S-9451	8141 ~~Surrogate~~ ~~MS~~ M.S.	S8858	1000 ug/mL	0.50 ~~0.25~~ mL	50mL ~~25mL~~	10 ug/mL	MeOH UN1230	9-13-99	12-99		JH
S-9452	Diesel MM	S-9366	2000/400 ug/mL	6.25mL	25mL	500/100 ug/mL	MeCl/BU602	091499	012400		JH
S-9453	Pesticide Surrogate	S-9413	200 ug/mL	0.6mL	200mL	0.6 ug/mL	acetone BU516	9-16-99	3-16-00		JH
S-9454	OPPest 8141 Surr	S-9449	500 ug/mL	4.0mL	100mL	20 ug/mL	MeOH N10273	9-18-99	3-18-00		JH
↓	↓	S-9450	2000 ug/mL	1.0mL	↓	↓	↓	↓	↓		↓
S-9455	Chlordane Stock	Restek A013176	1000 ug/mL	—	—	—	hexane	9-21-99	6-03		JH
S-9456	Chlordane MDL Spike	S-9455	↓	50ul	50mL	1.0 ug/mL	acetone BU516	↓	3-21-00		JH
S-9457	Pesticide Surrogate	S-9413	200 ug/mL	0.6mL	200mL	0.6 ug/mL	acetone BU516	9-23-99	3-23-00		JH
S-9458	C24 Surr.	Sigma 83H0685	99%	250mg	500ml	500 ug/mL	80:20 Acetone/Mecl2 BU123/BU660	9/23/99	3/23/00		GG
S-9459	BZ-87	EM Science A2030342	100 ug/mL	—	—	—	—	9/24/99	10/1/00		JG
S-9460	BZ-49	EM Science A9020147	100 ug/mL	—	—	—	—	↓	10/1/00		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9365	C28 Stock	Chemserve 154-63A	99%	.05g	25mL	2000ug/mL	MeCl2/N06293	072499	01249900	[illegible]	[illegible]
S-9366	Diesel HH	Ultra RGO-616	50,000ug/mL	2mL	50mL	2000ug/mL	MeCl2/N06293	072499	01249900		
	C28	S-9365	2000ug/mL	10mL	↓	400ug/mL					
S-9367	Diesel MH	S-9366	2000/400 ug/mL	5mL	10mL	1000/200 ug/mL					
S-9368	Diesel MM			6.25mL	25mL	500/100 ug/mL					
S-9369	Diesel ML			1mL	10mL	200/40 ug/mL					
S-9370	Diesel LL	↓	↓	.25mL	10mL	~~100~~ 50/10 ug/mL	[illegible] 072499	↓	↓		↓
S9371	Herbicide MS.	S-9061	1000ug/ml	800ml	50.0mL	16 ug/ml	MeOH DT7221	7-28-99	1-28-00		JA
		S-9062	100ug/ml	↓		1.6 ug/ml					
↓	↓	S-9174	10-10,000 ug/ml	8.0mL	↓	1.6-1600 ug/ml	↓	↓	↓		↓
S-9372	Pesticide Surrogate	S-9242	200ug/ml	0.6mL	200mL	0.6ug/ml	Acetone DT943	7-28-99	1-28-00		J.
S-9373	EDB/DBCP Con 1	S-9311	0.4ug/ml	3ul	35ml	34.3 ng/ul	WA/DI H2O	7-29-99	7/30/99		[illegible]
S-9374	2			5 ul		57.1					
S-9375	3			10 ul		114					
S-9376	4			15 ul		171					
S-9377	5	↓	↓	25 ul	↓	286		↓	↓		↓
S-9378	Pest surrogate stock	Restek A012642	200ug/ml	—	—	—	acetone	8/2/99	12/01		T
S-9379	Pest Surr. mix	S-9378	200ug/ml	0.5ml	10ml	10ug/ml	HEX/BV082	8/2/99	2/2/00		T
S-9380	Mirex	Chemservice 223-67A	1000ug/ml	—	—	—	Methanol	8/2/99	09/00		
S-9381	Hexachlorobenzene	Chem Service 229-16B	100ug/ml	—	—	—	↓	↓	12/00		
S-9382	C Mix Con 5	S-~~9381~~	—	—	—	—	—	—	—		
↓	Hexachlorobenzene	S-9381	100ug/ml	160 ul	100 ml	0.16ug/ml	HEX/BV082	8/2/99	2/2/00		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9322	8140 STD								10/31/99		
	8140 mix	S-9320	200 ug/ml	125 ml	10 ml	250 ug/ml	Hex / BV082	6/10/99	~~12/10/99~~	6/10/99	
	Malathion	S-9321	1000 ug/ml	250 ul	↓	↓	↓	↓	↓		↓
	triphenylphosphate	S-9323 ~~S-0164~~	500	↓	↓	↓	↓	↓	↓		↓
	tributylphosphate	S-9083 ~~S-0165~~	2000	↓	↓	↓	↓	↓	↓		↓
S-9323	triphenylphosphate	Chemsurv 209-30B	500 ug/ml	—	—	—	NA	↓	10/31/99		↓
S-9324	Aroclor 1016/1260 Com 3	S-8979	10000 ug/ml	40 ML	100 ML	0.4 Mg/ml	HEXANE / BV082	6/11/99	10/20/99		TS
↓	TCX / DCB	S-9181	10 Mg/ml	200 ML	↓	0.02 ug/ml	↓	↓	↓		↓
S-9325	PCBAR 1221/1254 MDL Spk	S-9090	1000 ug/ml	25 ml	50 ml	0.5 ug/ml	Acetone BT943	6-12-99	12-12-99		J.
↓	↓	S-8148	↓	↓	↓	↓	↓	↓	↓		
S-9326	PCB AR 1232 MDL Spk	S-9042	↓	↓	↓	↓	↓	↓	↓		
S-9327	PCB AR 1242 MDL Spk	S-8829	↓	↓	↓	↓	↓	↓	↓		
S-9328	PCB AR 1245 MDL Spk	S-9045	↓	↓	↓	↓	↓	↓	↓		
S-9329	Pest CLP Surrogate	S-9242	200 ug/ml	200 ul	200 ml	0.2 ug/ml	↓	↓	↓		
S-9330	PCB MDL Spk 1016/1260	S-9178	5.0 ug/ml	2.5 ml	25 ml	0.5 ug/ml	↓	6-14-99	12-14-99		J
S-9331	Diesel MS	S-9780	50,000 ug/ml	5 mL	100 mL	2520 ug/ml	80:20 ACE:MeCl2	06/18/99	09/18/99		
S-9332	Stockton Diesel MS	↓	↓	1 mL	100 mL	500 ug/ml	↓	↓	↓		
S-9333	1016/1260 PCB Stock	Restek A012757	1000 ug/ml	5 mL	—	—	hexane	Opened 6-18-99	12-01		
S-9334	PCB MS	S-9333	1000 ug/ml	1.0 ml	200 mL	5.0 ug/ml	Acetone BT943	6-18-99	12-18-99		
S-9335	AFCEE Pest M.S.	S-~~140~~ 9190	25/50/125 ug/ml	2.0 ml	200 mL	0.25/.5/1.25 ug/ml	MeOH A0746	6-19-99	12-19-99		
S-9336	Pest CLP Surr	S-9242	200 ug/ml	200 ul	200 mL	0.2 ug/ml	Acetone BT943	↓	↓		
S-9337	Pest Surr	↓	↓	0.6 ml	↓	0.6 ug/ml	↓	↓	↓		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	In
S-9238	Methylated Herb Mix	Protocol lot W980611006			1ml	N/A	Hex / BU141	5-17-99	11-17-99		9
	2,4-D		100 µg/ml								
	2,4,5-TP		10								
	Dalapon		250								
	Dicamba		10								
	Dinoseb		50								
	2,4-DB		100								
	2,4,5-T		10								
	Dichloroprop		100								
	MCPP		10,000								
	MCPA		↓		↓	↓	↓	↓	↓		
S-9239	DCAA	Protocol lot: R98-1050-10	1000 µg/ml		↓	↓	N/A	↓	↓		
S-9240	Resc Stock	Restek A007452	1-10 µg/ml	—	—	—	N/A	5-18-99	7-31-99		
S-9241	Resc Working	S-9240	↓	1ml	100ml	0.01-0.1 µg/ml	Hex / BU141	↓	↓		
S-9242	Pest Surr. Stock	Restek H012642	200 µg/ml	5ml	—	—	acetone	5-19-99	12-01		
S-9243	Pesticide Surrogate	S-9242	↓	0.6ml	200ml	0.6 µg/ml	acetone BT943	5-20-99	11-20-99		
S-9244	PCB Congener Surr.	S-7789	200 µg/ml	100 µl	250ml	0.08 µg/ml	meOH BU746	↓	↓		
S-9245	Gasoline Soln.	Ultra O-0356	50,000 µg/ml	4mL	4mL	50,000 µg/ml	$MeCl_2$	—	03/03		
S-9246	Diesel #2	Ultra M-1431	50,000 µg/ml	4mL	4mL	50,000 µg/ml	$MeCl_2$	—	11/02		
S-9247	TNRCC Gasoline	S-9245	↓	4.2mL	4mL	25,000 µg/ml	↓	05-20-99	11-20-99	11-20-99	
	Diesel	S-9246	↓	↓	↓	↓	↓	↓	↓		
S-9248	C-28 Surrogate	Sigma 83H4055	99%	250mg	500mL	500 µg/mL	50:50 Hx:Ac Acetone/$MeCl_2$	05-22-99	11-22-99		

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EA Laboratories **SEMI-Volatiles Lab Standards Logbook** DRO

Book # : 10

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9101	OP PEST Std										
	Malathion	S-8762	100 ug/ml	6.25 ml	25 ml	25 ug/ml	Hex/BT250	3/12/99	3/31/99		[illegible]
	OP Pest Mix	S-8763	200 ug/ml	3.125 ml	↓	↓	↓	↓	↓		↓
	Triphenylphosphate	S-8764	1000 ug/ml	625 ul	↓	↓	↓	↓	↓		↓
	Tributylphosphate	S-8765	↓	↓	↓	↓	↓	↓	↓		↓
S-9102	1-methyl naphthalene	Chemserve 172-97B	98%	.02 g	10 mL	2000 ug/mL	MeCl2/BT442	3/13/99	9/13/99		[illegible]
S-9103	2-Bromonaphthalene	Ultra J-2311	20,000 ug/mL	[illegible] 2.1 mL	1 mL	20,000 ug/mL	methanol	↓	↓		↓
S-9104	Polyaromatic Hydrocarbon	Resteck A010811	1000 ug/mL	2.5 mL	2.5 mL	1000 ug/mL	MeCl2	↓	↓		↓
S-9105	S-9104 PAH HH	S-9104	1000 ug/mL	2.5 mL	25 mL	100 ug/mL	MeCl2/BT442	↓	↓		↓
	S-9103	S-9103	20,000 ug/mL	.125 mL	↓	↓	↓	↓	↓		↓
	S-9102	S-9102	2000 ug/mL	1.25 mL	↓	↓	↓	↓	↓		↓
S-9106	Aromatic Hydrocarbon	Ultra L-1579	1000 ug/mL	1 mL ~~.5 mL~~ [illegible]	~~25 mL~~ 1 mL	~~20 ug/mL~~ 1000 ug/mL	MeCl2	↓	↓		↓
S-9107	2-bromonaphthalene	Chemserve 212-74C	2000 ug/mL	5 mL	5 mL	2000 ug/mL	methanol	↓	01/00		↓
S-9108	PAH ICV	S-9106	1000 ug/mL	.5 mL	25 mL	20 ug/mL	MeCl2/BT442	↓	9/13/99		↓
	2-bromonaphthalene	S-9107	2000 ug/mL	.25 mL	↓	↓	↓	↓	↓		↓
	1-MN	S-9102	↓	↓	↓	↓	↓	↓	↓		↓
S-9109	PEST-MIX B	LA60651 SUPELCO	0.5-1 ug/ml	—	—	—		—	Dec 98		[illegible]
S-9110	MIX B-1	S-9109	↓	0.1 ml	10 ml	0.005-0.08 ug/ml	BT250 HEXANE	3/16/99			↓
S-9111	MIX B-2	↓	↓	0.4 ml	↓	0.02-0.24 ug/ml	↓	↓			↓
S-9112	MIX B-5	↓	↓	1.6 ml	↓	0.08-0.16 ug/ml	↓	↓			↓
S-9113	Diesel MM	S-8964	2000 ug/mL	6.25 mL	25 mL	500/100 ug/mL	MeCl2/BT442	03/16/99	07/09/99		[illegible]
S-9114	~~Ar~~ BTM	S-8636	10,000 ug/mL	1.25 mL	↓	500 ug/mL	↓	↓	9/13/99		

[illegible]

Reviewed by: _____ Date: _____

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8967	Diesel ML	S-8964	2000/400 ug/mL	1.0mL	10.0mL	200/40 ug/mL	MeCl2 BT442	010999	070999		TD
S-8968	Diesel LL	S-8964	↓	0.25 mL	10.0 mL	50/10 ug/mL	↓	↓	↓		↓
S-8969	Diesel Standard	ultra L-0691	5000 ug/mL	2.5mL	2.5mL	5000 ug/mL	MeCl2	010999	06/99		TD
S-8970	Diesel ICV	S-8969	5000 ug/mL	2.5mL	25.0mL	500 ug/mL	MeCl2 - BT442	010999	070999	102599	TD
	C26 -	S-8961	2000 ug/mL	1.25mL	25.0mL	100 ug/mL	MeCl2 - BT442	↓	↓	↓	TD
S-8971	Motor oil Std	Restek A010155	50000 ug/mL	1mL	1mL	50000 ug/mL	MeCl2	010999	1/01		[illegible]
S-8972	M.O. HH	S-8971	↓	↓	25mL	2000 ug/mL	MeCl2/BT442	↓	010999		↓
	C26	S-8962	2000 ug/mL	5mL	↓	400 ↓	↓	↓	↓		↓
S-8973	M.O. MH	S-8972	↓ 200/400 ug/mL	5mL	10mL	1000/200 ug/mL	MeCl2/BT442	010999	070999		[illegible]
S-8974	M.O. MM	↓	↓	6.25mL	25mL	500/100 ug/mL	↓	↓	↓		↓
S-8975	M.O. ML	↓	↓	1mL	10mL	200/40 ug/mL	↓	↓	↓		↓
S-8976	M.O. LL	↓	↓	250mL	10mL	~~100~~ 50/10 ug/mL	[illegible] 010999 ↓	↓	↓	[illegible] 032099	↓
S-8977	M.O. ICV	S-8298	2000/400	6.25mL	25mL	500/100 ug/mL	MeCl2/BT442	010999	032599 ~~070999~~	0/17/99	[illegible]
S-8978	Aroclor 1254 Conc1	S-8148	1000 µg/mL	10 µL	100 mLs	0.1 µg/mL	Hexane/BQ537	1/12/99	7/12/99		WEM
↓	TCX/DCB (Pest Surr)	S-8623	10 µg/mL	200 µL	↓	0.02 µg/mL	↓ B&J	↓	WEM 4/1/99 ↓		↓
S-8979	Aroclor 1016/1260	Restek Lot# A011442	1000 µg/mL	—	—	—	Hexane	1/13/99	6/1/01		WEM
S-8980	Aroclor 1016/1260 Conc1	S-8979	1000 µg/mL	10 µL	100 mLs	0.1 µg/mL	Hexane B&J BQ537	1/13/99	4/12/99	Reverified 4/14/99 Exp 7/12/99	WEM
↓	Pest Surr	S-8623	10 µg/mL	50 µL	↓	0.005 µg/mL	↓	↓	↓	↓	↓
S-8981	Aroclor 1016/1260 Conc2	S-8979	1000 µg/mL	20 µL	100 mLs	0.2 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	100 µL	↓	0.01 µg/mL	↓	↓	↓	↓	↓
S-8982	Aroclor 1016/1260 Conc3	S-8979	1000 µg/mL	40 µL	↓	0.4 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	200 µL	↓	0.02 µg/mL	↓	↓	↓	↓	↓

E. Laboratories **SEMI-Volatiles Lab Standards Logbook** Book # : 10

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8949	TCX/DCB stock	Restek#32000 Lot: A011884	200ug/ml	1.0ml	1.0ml	200ug/ml	acetone	—	8/01		GG
S-8950	Pest CLP surr spk	S-8949	200ug/ml	0.5ml	500ml	0.2 ug/ml	Lot# BP874 acetone	12/25/98	6/25/99		GG
S-8951	Herb surrogate	S-8868	2000ug/mL	1.0 mL	100.0mL	20ug/mL	acetone BP874	12/30/98	6/30/99		DRH
S-8952	Client mineral oil	—	Neat	—	—	—	—	12/30/98	6/30/99		JMA
S-8953	Client min. oil STD	S-8952	Neat	1.25g	25mL	50,000ug/mL	Toluene 3R608	12/30/98	6/30/99		↓
S-8954	Client min. oil HH	S-8953	50,000ug/mL	1mL	25mL	2000ug/mL	$MeCl_2$/BT442	↓	↓		↓
S-8955	CLP MS stock CLPP MS91	Protocol Lot W980526004	50ug/ml, 100ug/ml	—	—	—	MeOH (B116)	1/5/99	7/5/99		JA
S-8956	Pest Surr. Stock	Protocol Lot W980804005	200 ug/ml	—	—	—	Hexane/Acetone	1/5/99	7/5/99		↓
S-8957	GPC Pest ✓ Sol.	S-8955	50ug/ml, 100ug/ml	1.0ml	500ml	0.1, 0.2 ug/ml	$MeCl_2$	1/5/99	7/5/99		↓
		S-8956	200ug/ml	250mL	500ml	0.1 ~~0.2~~ ug/ml	$MeCl_2$	1/5/99	7/5/99		↓
S-8958	PCB 1260H	Protocol Lot P981105809	1000 ug/ml	—	—	—	Hexane	1/5/99	7/5/99		↓
S-8959	PCB 1016H	Protocol Lot W980311007	1000 ug/ml	—	—	—	Hexane	1/5/99	7/5/99		↓
S-8960	GPC PCB ✓ Sol	S-8958	1000ug/ml	0.1 ml	500 ml	0.2 ug/ml	$MeCl_2$	1/5/99	7/5/99		↓
		S-8959	1000 ug/ml	0.1 ml	500ml	0.2 ug/ml	$MeCl_2$	1/5/99	7/5/99		↓
		S-8956	200 ug/ml	625mL	500 ml	0.25 ug/ml	$MeCl_2$	1/5/99	7/5/99		↓
S-8961	C28 stock	Sigma 83H0685	99%	.05g	25mL	2000ug/mL	$MeCl_2$/BT442	1/9/99	7/9/99		JMA
S-8962	C28 stock	Chem Serve 154-63A	99%	.05g	25mL	2000ug/mL	↓	↓	↓		↓
S-8	Diesel Standard	Ultra M-0493	50,000ug/mL	2.0 mL	2.0 mL	50,000ug/mL	$MeCl_2$	010999	~~040299~~ 04-02	7/01/99	TD
S-	el HH TD 010999	S-8963 ~~S-8963~~	↓	↓	50.0mL	2000 ug/mL	$MeCl_2$/BT442	↓	070999		TD
		S-8962	2000 ug/mL	10.0mL	↓	400 ug/mL	↓	↓	↓		↓
		S-8964	400/2000 ug/mL	5.0mL	10.0mL	1000/200 ug/mL	↓	↓	↓		↓
		S-8964	400/2000 ug/mL	6.25mL	25.0mL	500/100 ug/mL	↓	↓	↓		↓

...ved by:_____ Date:_____

010001

EA Laboratories **SEMI-Volatiles Lab Standards Logbook** DRO **Book # : 10**

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	In
S-8835	Herb Mix	Ultra L-1370	10-10,000 µg/ml	-	-	-	MeOH	10/14/98	10/99		GD
S-8836	C_{10}-C_{28} Stock	Supelco Lot# LA73122	1000 µg/mL each	3mL	3mL	1000 µg/mL each	Hexane	10/15/98	2/01		[illegible]
S-8837	Marine MS	S-8836	↓	2.5mL	50mL	500 µg/mL	80:20 ACE:MeCl2 BP874:BS759	10/15/98	4/15/99		↓
S-8838	Diesel MS	S-8780	50,000 µg/ml	5mL	100mL	2500 µg/mL	80:20 ACE:MeCl2 BP874:BS759	10/16/98	3/10/99		[illegible]
S-8839	DCPA Solution	Ultra Scientific J-0528A	100 µg/ml	—	—	—	MeOH	10/16/98	9/2000		[illegible]
S-8840	Mirex "	Ultra Scientific M-1440	100 µg/ml	—	—	—	MeOH	10/16/98	11/2001		
S-8841	Chlorbenside	Chem Serv 180-136B	Neat	—	—	—			11/2002		
S-8842	Chlorbenside Stock	S-8841	↓	100 mg	25ml	4000 µg/ml	Acetone BP874		4/16/99	[illegible]	
S-8843	Chlorbenside Working	S-8842	4000 µg/ml	250 ul	10ml	100 µg/ml	Hexane BR030		4/16/99		
S-8844	C mix Con 1								2/6/99		
	Stock DCPA	S-8839	100 µg/ml	10ul	100ml	10 PS/ml					
	mirex	S-8840	↓	↓		↓					
	Chlorbenside	S-8843	↓	↓		↓					
	tox/dcb	S-8672	10 µg/ml	50ul		5 PS/ml					
S-8845	C mix Con 2 DCPA	S-8839	100 µg/ml	40ul		40 PS/ml					
	Stock mirex	S-8840	↓	↓		↓					
	Chlorbenside	S-8843	↓	↓		↓					
	tox/dcb	S-8672	10 µg/ml	200ul		20 PS/ml					
S-8846	C Mix Con 3 DCPA	S-8839	100 µg/ml	80ul		80 PS/ml					
	Stock mirex	S-8840	↓	↓		↓					
	Chlorbenside	S-8843	↓	↓		↓					
	tox/dcb	S-8672	10 µg/ml	400ul		40 PS/ml					

10/16/98

040092

EA Laboratories DLO SEMI-Volatiles Lab Standards Logbook

Book # : 10

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Ini
S-8777	PEM STD	RESTEK A010112	1-25ug/ml	1 ml	—	—	HEXANE BR030	9/10/98	11/00		T
S-8778	PEM working	S-8777	↓	↓	100 ml	0.01-0.25ug/ml	↓	↓	3/10/99		↓
S-8779	Diesel	Getty Neat	—	—	—	—	—	9/10/98	9/10/00		[illegible]
S-8780	Diesel stock	S-8779	Neat	1.25 g	25 mL	50,000 ug/mL	Toluene/BR[illegible]	9/10/98	3/10/99		↓
S-8781	Diesel MS	S-8780	50,000 ug/mL	5 mL	100 mL	2500 ug/mL	80:20 BR874 ACE:MeCl2 BS759	↓	↓		[illegible]
S-8782	motor oil MM	S-8[illegible]5	2000 ug/mL 400 ug/mL	5 mL	20 mL	500 ug/mL 100 ug/mL	MeCl2/BS759	9/11/98	12/21/98		↓
~~S-8783~~	~~Surrogate (Tex/DUB)~~	Restek A010877	200 ug/ml	—	TS 9/14/98	—	Acetone	09/14/98	3/01		
S-8783	PIBIK	S-8623	10ug/ml	200 ul	100 ml	0.020 ug/ml 20 ug/ml	HEXANE BR030	9/14/98	3/14/99		T
S-8784	Fuel oil #6 ~~Cotoc~~ LA-586 [illegible]	Supelco 4-[illegible]	20 mg/ml	—	—	20 mg/ml	Hexane/MeCl2	opened 9-16-98	6/99		[illegible]
S-8785	Fuel oil #6 Sunset LL	S-[illegible] S-8[illegible]	20,000 ug/ml 2000 ug/ml	25 ml 50 ml	10 mls	50 ug/ml 10 ug/ml	MeCl2	9-16-98	12/17/98		[illegible]
S-8786	ML	↓	↓	100 ml 200 ml	↓	200 ug/ml 40 ug/ml	↓	↓	↓		
S-8787	MM			250 ml 500 ml		500 ug/ml 100 ug/ml					
S-8788	MH			500 ml 1000 ml		1000 ug/ml 200 ug/ml					
S-8789	HH	↓	↓	1000 ml 2000 ml	↓	2000 ug/ml 400 ug/ml	↓	↓	↓		
S-8790	Pest Std A Mix	Supelco LA-78091	5-50 ug/ml	—	—	—	NA	9/17/98	3/17/99		[illegible]
S-8791	Pest Std A Con 5	S-8790	↓	1.6 ml	100 ml	0.08-0.[illegible]	Hexane/BR030	↓	3/17/99		[illegible]
S-8792	Diesel MM	S-8635	2000 ug/mL	5 gm 20 mL	100 mL	500 ug/mL	MeCl2/BS759	9/19/98	1-17-99		[illegible]

010093

o:\org\voa\forms\qclog.xls Reviewed by:_____ Date:_____

F. Technical Review Checklist and Other Analysis Documentation

ORGANIC EXTRACTIONS FID ANALYSIS REVIEW CHECKLIST

Report Number: 9913653 **Client:** TICORP **Test:** TPH DRO 8015M **Instrument:** SW3

Nos: 9913654 - 136660 **Matrix:** SOIL **Analyst:** KWH/AA/JA

CALIBRATION INITIAL ANALYSIS	Primary Analyst Review	Comments	(✓) Peer Review
What is the appropriate Project Summary?	EAL-PS-	090/1mL FINAL VOLUME	✓
Did the resolution check meet specified criteria?	Y N/A N NCR:		✓
Did the initial calibration meet specified criteria?	Y N NCR:		✓
Did the ICV/CCV(s) meet specified criteria?	Y N NCR:	CCV-NCR for surrogate	✓
Was the method blank free of target analytes?	Y N NCR:		✓
Did the method blank and LCS meet surrogate criteria?	Y N NCR:		✓
Did the LCS meet specified target analyte criteria?	Y N NCR:		✓
Did the LCS duplicate meet specified target analyte criteria?	Y N/A N NCR:		✓
Did all samples meet surrogate criteria?	Y N		✓
Were all samples analyzed within appropriate cal/tune time?	Y N/A N NCR:		✓
Have you checked for dilutions/reanalyses?	Y N		✓
Were samples initially analyzed within holding time?	Y N NCR:		✓
Were re-extractions initiated within holding time?	Y N/A N NCR:		✓

PACKAGE GENERATION			
Client chain of custodies	Y N		✓
LIMS chain of custodies	Y N		✓
Extraction/TCLP/DIWET sheets	Batches:	T912121	✓
Have all samples been included in the data package?	Y N		✓
Dry weight/sample weight logs	Y N/A		✓
Sample calculation worksheet	Y		✓
Injection logs	Y		✓
Standards logs	Y		✓
Have the proper reporting/QC limits & analyte lists been used?	Y	1mL Final volume	✓
Is the SDG number on all required forms?	Y N/A	Method STD MDL Proj. SDG #: 9913654	✓
Form IIs (Surrogate Recovery Forms)	Y N/A		✓
Form IIIs (MS/MSD Recovery Forms)	Y N/A		✓
Form IIIs (LCS/LCSD Recovery Forms)	Y		✓
Form IVS (Method Blank Forms)	Y		✓
Form Is (Sample Data with Forms)	Y		✓
Is sample data included?	Y		✓
Form VIs (Initial Calibration Forms)	Y		✓
Form VIIs (Cont. Calibration Forms)	Y		✓
Are all IC/ICV/CCV data included?	Y		✓
Are Blank/LCS/MS/MSD(s) included?	Y		✓
Have all manual integrations been addressed?	Y N/A	M1	✓

ORGANIC EXTRACTIONS ANALYSIS REVIEW CHECKLIST CONTINUED

SECTION CHIEF

analyst review been completed?	Y	ERM Directory I+1733.ERM
Has peer review been completed?	Y	
Has correct Project Summary been confirmed?	Y	Forms Filename IT1763dros_su3NOV3019
Are all data reduction file names listed?	Y	
Are all NCR's included with appropriate action?	Y ~~N/A~~	Generated by _____
Are all memo's/E-Mails included with appropriate action?	Y N/A	
Has the electronic file been generated?	Y N/A	

Additional Comments

remaining two CCV's outside limits ± 15 for surrogate only. No hits in samples.

		Date
Primary Analyst	[signature]	12/13/99
Peer Review	[signature]	12/13/99
Instrumentation Section Chief	[signature]	12/13/99

All questions should be answered with a "Y" for yes, "N" for no or "NA" for not applicable. All "N" answers require a corrective action as specified in the project summary and an explanation in the narrative notes section.

Committed To *Your* Success

Severn Trent Laboratories
19 Loveton Circle
Sparks, MD 21152

Tel. (410) 771-4920
Fax: (410) 771-4407
www.stl-inc.com

December 9, 1999

Mr. Larry Stearns
IT Corporation
2790 Mosside Blvd.
Monroeville, PA 15146-2792

Re:IT Corporation-Bainbridge (70260.01)

Dear Mr. Stearns:

Enclosed is our report on the analysis of fifteen soil samples collected for the IT Corporation-Bainbridge project on 07 December 1999. The EDD will follow. The invoice is included.

Please contact me if you have any questions or require further information and refer to report 991733. Unless other arrangements are made, we reserve the right to dispose of your samples sixty (60) days from the date of this letter. We will retain the raw data for seven years from this date.

Sincerely,

Natasha K. Sullivan
Laboratory Project Manager

enclosure

Committed To Your Success

LABORATORY DATA REPORT

Prepared for:

IT Corporation
Bainbridge

Prepared by:

Severn Trent Laboratories
19 Loveton Circle
Sparks, MD 21152

Report 991733

December 1999

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1. NARRATIVE

Severn Trent Laboratories
ANALYTICAL NARRATIVE

Client: **IT Corporation**
Site: **Bainbribge**
Project number: **70260.01**

STL Baltimore Report: **991733**
Laboratory Project Manager: **Natasha K. Sullivan**
Report Date:**9 December 1999**

This report contains the results of the analysis of fifteen soil samples collected on 07 December 1999 in support of the referenced project.

SAMPLE RECEIPT

The sample arrived intact by hand at Severn Trent Laboratories on 08 November 1999. Upon receipt, the samples were inspected and compared with the chain-of-custody record. The samples were then logged into the laboratory computer system with assigned laboratory accession numbers and released for analysis.

Client Sample Designation	STL Number
683-F-F5	9913260
683-F-E5	9913261
683-F-F6A	9913262
683-F-G6	9913263
683-F-E7	9913264
683-F-G7	9913265
683-SEW1	9913266
683-SEW2	9913267
683-SWW1A	9913268
683-NWW2	9913269
683-NEW2	9913270
683-G4W	9913271
683-H5W	9913272
683-F-G4	9913273
683-F-G5B	9913274

Following this narrative section is a glossary of data qualifiers (Tables 1), codes associated with manual integration of chromatographic peaks (Table 2), and the original chain-of-custody record. Analytical results and quality control information are summarized in the appended data package which has been formatted to be consistent with the deliverable requirements of this project.

QUALITY CONTROL

The following sections are ordered as the data appears in this report. They contain observations made during sample analysis, summarize the results of quality control measurements, and address the impact on data usability based upon project Data Quality Objectives. For each fractional analysis the

narrative includes:

- Sample chronology: This section summarizes the sample history by fraction including the sample preparation method and date, analytical method, and analysis date. Anything unusual about the samples, digestates, or extracts is identified. Holding time compliance is evaluated in this section.

- Laboratory method performance: All quality control criteria for method performance must be met for all target analytes for data to be reported. These criteria generally apply to instrument tune, calibration, method blanks, and Laboratory Control Samples (LCS). In some instances where method criteria fail, useable data can be obtained and are reported with client approval. The narrative will then include a thorough discussion of the impact on data quality.

- Sample performance: Quality control field samples are analyzed to determine any measurement bias due to the sample matrix based on evaluation of matrix spikes (MS), matrix spike duplicates (MSD), and laboratory duplicates (D). If acceptance criteria are not met, matrix interferences are confirmed either by reanalysis or by inspection of the LCS results to verify that laboratory method performance is in control. Data are reported with appropriate qualifiers or discussion.

EXTRACTABLE TPH by GC SOIL (STL9913260-STL9913274)

Sample Chronology: The samples and associated quality control were extracted on 08 December 1999 by SW-846 Method 3550. The extracts were analyzed on 08-09 December 1999 for Diesel Range Organics (DRO) by SW-846 Method 8015B. All holding times were met.

Sample 683-G4W was reanalyzed at a 5X dilution to bring extract concentrations of target analytes within calibration range. Results for both the undiluted and the diluted analyses are included in this report.

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples.

Sample Performance: All quality control criteria were met for the reported samples.

Severn Trent Laboratories
ANALYTICAL NARRATIVE

Client: **IT Corporation**
Site: **Bainbribge**
Project number: **70260.01**

STL Baltimore Report: **991733**
Laboratory Project Manager: **Natasha K. Sullivan**
Report Date:**9 December 1999**

CHLORINATED PESTICIDES by GC - SOIL (STL9913260 – STL9913274)

Sample Chronology: The samples and associated quality control were extracted on 08 December 1999 by SW-846 Method 3550C. The extracts were analyzed on 08 and 09 December 1999 for the project list of analytes by SW-846 Method 8081A. All holding times were met.

The following extracts were diluted and re-analyzed to bring the extract concentrations of target analytes within instrument calibration range. The results for both the undiluted and diluted analyses are included in this report:

683-F-F	5x2
383-SEW	2x2
683-NEW	2x2
683-G4W	x300
683-F-G5B	x2

Laboratory Method Performance: All laboratory method performance criteria were met for the reported samples.

Sample Performance: All quality control criteria were met for the reported samples.

CERTIFICATION OF RESULTS

The Laboratory certifies that this report meets the project requirements for analytical data as stated in the Analytical Task Order (ATO) and the chain-of-custody. In addition, the Laboratory certifies that the data as reported meet the Data Quality Objectives for precision, accuracy, and completeness specified for this project or as stated in Severn Trent Laboratories Quality Assurance program for other than the conditions detailed above. It is recommended by the Laboratory that this analytical report should only be reproduced in its entirety. Severn Trent Laboratories is not responsible for any assumptions of data quality if partial packages are used to interpret data. Release of the data contained in this report has been authorized by the appropriate Laboratory Manager as verified by the following signature.

December 9, 1999

Natasha K. Sullivan, Laboratory Project Manager

TABLE 1. LABORATORY ORGANIC ANALYSIS DATA QUALIFIERS [1]

Qualifiers other than those listed below may be required to properly define the results. If used, they are given an alphabetic designation not already specified in this table or in a project/program document such as a Quality Assurance Project Plan or a contract Statement of Work. Each additional qualifier is fully described in the Analytical Narrative section of the laboratory report.

U Indicates a target compound was analyzed for but not detected. The sample Reporting Limit (RL) is corrected for dilution and, if a soil sample, for percent moisture, if reported on a dry weight basis.

J Indicates an estimated value. This qualifier is used under the following circumstances:

1) when estimating a concentration for tentatively identified compounds (TICs) in GC/MS analyses, where a 1:1 response is assumed,
2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the RL but greater than the method detection limit (MDL).

B This qualifier is used when the analyte is found in the associated method blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. For GC/MS analyses, this qualifier is used for a TIC, as well as, for a positively identified target compound.

E This qualifier identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D When applied, this qualifier identifies all compound concentrations reported from a secondary dilution analysis.

A This qualifier indicates that a TIC is a suspected aldol-condensation product.

N Indicates presumptive evidence of a compound. This qualifier is only used for GC/MS TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N qualifier is not used.

P When applied, this qualifier indicates a reported value from a GC analysis when there is greater than 25% difference for detected concentrations between the two GC columns.

---

(1) These Data Qualifiers are added by the laboratory to provide additional information for the reported results. ***They should not be confused with the qualifiers applied to the reported data as a result of a data validation process performed independently of the laboratory reporting procedure.***

TABLE 2. CODES ASSOCIATED WITH MANUAL INTEGRATION OF CHROMATOGRAPHIC PEAKS

M1 . . . Software failed to integrate peak or integrated peak improperly

M2 . . . . Multiple peaks within window, analyst's discretion used in peak identification.

M3 . . . . Close eluting or near-coelution of interferences.

M4 . . . . Adding or removing area due to peak tailing - subject to consistency within the sequence.

M5 . . . . Adding/removing area due to positive baseline deflection matrix effect.

M6 . . . . Adding/removing area due to negative baseline deflection matrix effect.

M7 . . . . Retention time shifts.

M8 . . . . Skimming vs. dropped baseline.

M9 . . . . Adding area due to peak splitting .

M10 . . . Secondary ions or qualifier ions.

Note: Appropriate Qualifiers are used and specified in the data package; either on the individual quantitation reports or in the Technical Review Checklists.

F:\GROUP\FINALRPT\MASTER\MANINT.MAS

2. CHAIN-OF-CUSTODY

the Igroup RUSH

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document N 5/1/2011
Page 1 of 2

Project Name/No. 1 BAIN Bridge 798939
Samples Shipment Date 7 12/7/99
Bill to: 5 IT Corp
2790 Mosside Blvd
Monroeville PA 15146

Sample Team Members 2 Klinger / Treater
Lab Destination 8 Severn Trent LAB
Profit Center No. 3 —
Lab Contact 9 800-677-0706 Natasha X 3335
Project Manager 4 L. Stearns
Project Contact/Phone 12 Dick Treater 412-372-7701 x 2121
Final Report to: 10 Dorothy Small + Larry Stearns
IT Corp
2790 Mosside Blvd
Monroeville, PA 15146
Purchase Order No. 6 —
Carrier/Waybill No. 13 LAB Pick up
Required Report Date 11 12/9/99 48hr

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
683-F-F5	Floor Soil Sample Center-Grid F5	12/7/99 1020	1-Glass Amber	8oz	4°C	TPH DRO - 8015 MOD + Total Pesticides - 8081	Report 99/733	9913260
683-F-E5	Floor Soil Sample Center-Grid E5	12/7/99 1005				TCLP 1ml Final	4D LPM NKS	9913261
683-F-F6A	Floor Soil Sample Center-Grid F6 At 15'	12/7/99 1003				volume	+ exel edd	9913262
683-F-G6	Floor Soil Sample Center-Grid G6	12/7/99 1029				DRO	Fax 12/9/99	9913263
683-F-E7	Floor Soil Sample Center-Grid E7	12/7/99 1025					@ 1200 Hardcopy	9913264
683-F-G7	Floor Soil Sample Center-Grid G7	12/7/99 1034					12/9/99	9913265
683-SEW1	Wall Soil Sample Between G5 + F5	12/7/99 1010					— MS / MSD	9913266
683-SEW2	Wall Soil Sample Between F5 + E5	12/7/99 1013						9913267

Special Instructions: 23 EDD to Dorothy Small Fax results to Dick Treater @ 412-858-3979 4172 31

Possible Hazard Identification: 24 TPH and Pesticides
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

Turnaround Time Required: 26 48 Hr.
Normal ☐ Rush ☒

QC Level: 27
I. ☐ II. ☐ III. ☒ Project Specific (specify): NAVY NFESC Level C

1. Relinquished by 28 (Signature/Affiliation) [signature] IT	Date: 12/7/99 Time: 1521	1. Received by 28 (Signature/Affiliation) [signature]	Date: 12/7/99 Time: 1521
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29
Final Reports Due 72 Hr After Sample pickup to Larry Stearns and: Mike Lacy
IT Corp
200 Horizon Center Blvd
Trenton, NJ 08691

Cooler temp 3.0

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 3/15/91

Rush

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 576201
Page 2 of 2

Project Name BAINBridge

Project No. 97989139

Samples Shipment Date 12/7/99

ONE CONTAINER PER LINE

Sample 14 Number	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipt	Disposal 22 Record No.
683-SWW1A	WALL SOIL SAMPLE BETWEEN E6+E5 ~~[illegible]~~	12/7/99 1000	1-AMBER GLASS	8 oz	4°C	TPH D20 - 8015 MOD TOTAL PESTICIDES 8081		99132648
683-NWW2	WALL SOIL SAMPLE BETWEEN G7+F7	12/7/99 1040					FOR LAB USE ONLY	991326
683-NEW2	WALL SOIL SAMPLE BETWEEN G6+G5	12/7/99 1017					FOR LAB USE ONLY	991326
683-G4W	WALL SOIL SAMPLE GRID G4 SIDE WALL	12/7/99 1308					FOR LAB USE ONLY	991321
683-H5W	WALL SOIL SAMPLE GRID H5 SIDE WALL	12/7/99 1315					FOR LAB USE ONLY	991321
683-F-G4	~~WALL~~ FLOOR SOIL SAMPLE GRID G4 AT 17'	12/7/99 1320					FOR LAB USE ONLY	991313
683-F-G5B	FLOOR SOIL SAMPLE CENTER G-5 AT 17'	12/7/99 1328					FOR LAB USE ONLY	991327
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	
							FOR LAB USE ONLY	

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

MCA 2/15/91

P. 005
TEL 412-372-8968
DEC-06-99(MON) 09:41 IT CORP

3. TPH DRO DATA

A. QC Summary

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 #	TOT OUT
01	TB912081	91	0
02	TL912021	90	0
03	683-F-F5	86	0
04	683-F-E5	87	0
05	683-F-F6A	93	0
06	683-F-G6	91	0
07	683-F-E7	88	0
08	683-F-G7	97	0
09	683-SEW1	94	0
10	683-SEW1 MS	94	0
11	683-SEW1 MSD	91	0
12	683-SEW2	92	0
13	683-SWW1A	93	0
14	683-NWW2	93	0
15	683-NEW2	90	0
16	683-G4W	92	0
17	683-H5W	92	0
18	683-F-G4	89	0
19	683-F-G5B	86	0
20	683-G4WDL	~~17*~~ 85	0

AM 120799

S1 = C-28

QC LIMITS
(50-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix Spike - EPA Sample No.: 683-SEW1 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
DIESEL RANGE ORGANICS	29000	0.0	26000	90	66 - 153

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
DIESEL RANGE ORGANICS	29000	25000	86	5	35	66 - 153

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

LCS RECOVERY FORM

Lab Name: STL BALTIMORE

Date Extracted 12/08/99

Instrument: SX4/SW3

Date Analyzed: 12/08/99

Analyst: JAA

Matrix: WATER/SOIL

Spike No.: S-9444

Sample ID: TL912021

Units: ug/L|ug/kg

COMPOUND	SPIKE ADDED	LCS CONC.	% REC	QC # Limits
DRO	25000	25000	100%	66-153

The LCS has been checked and is within/outside current limits .

ANALYST

12/09/99
DATE

Non-conformance form #

LCS RECOVERY FORM

030004

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TB912081

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Lab File ID: SW3A943R.D Lab Sample ID: TB912081

Instrument ID: SW3 Date Extracted: 12/08/99

Matrix: (soil/water) SOIL Date Analyzed: 12/08/99

Level: (low/med) LOW Time Analyzed: 17:37

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	TL912021	TL912081	SW3A944R.D	12/08/99
02	683-F-F5	9913260	SW3A945R.D	12/08/99
03	683-F-E5	9913261	SW3A946R.D	12/08/99
04	683-F-F6A	9913262	SW3A947R.D	12/08/99
05	683-F-G6	9913263	SW3A948R.D	12/08/99
06	683-F-E7	9913264	SW3A949R.D	12/08/99
07	683-F-G7	9913265	SW3A950R.D	12/08/99
08	683-SEW1	9913266	SW3A951R.D	12/08/99
09	683-SEW1 MS	9913266 MS	SW3A952R.D	12/08/99
10	683-SEW1 MSD	9913266 MSD	SW3A955R.D	12/09/99
11	683-SEW2	9913267	SW3A956R.D	12/09/99
12	683-SWW1A	9913268	SW3A957R.D	12/09/99
13	683-NWW2	9913269	SW3A958R.D	12/09/99
14	683-NEW2	9913270	SW3A959R.D	12/09/99
15	683-G4W	9913271	SW3A960R.D	12/09/99
16	683-H5W	9913272	SW3A961R.D	12/09/99
17	683-F-G4	9913273	SW3A962R.D	12/09/99
18	683-F-G5B	9913274	SW3A963R.D	12/09/99
19	683-G4WDL	9913271DL	SW3A966R.D	12/09/99

COMMENTS:

B. Sample Data

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-F5

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913260

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A945R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 19 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

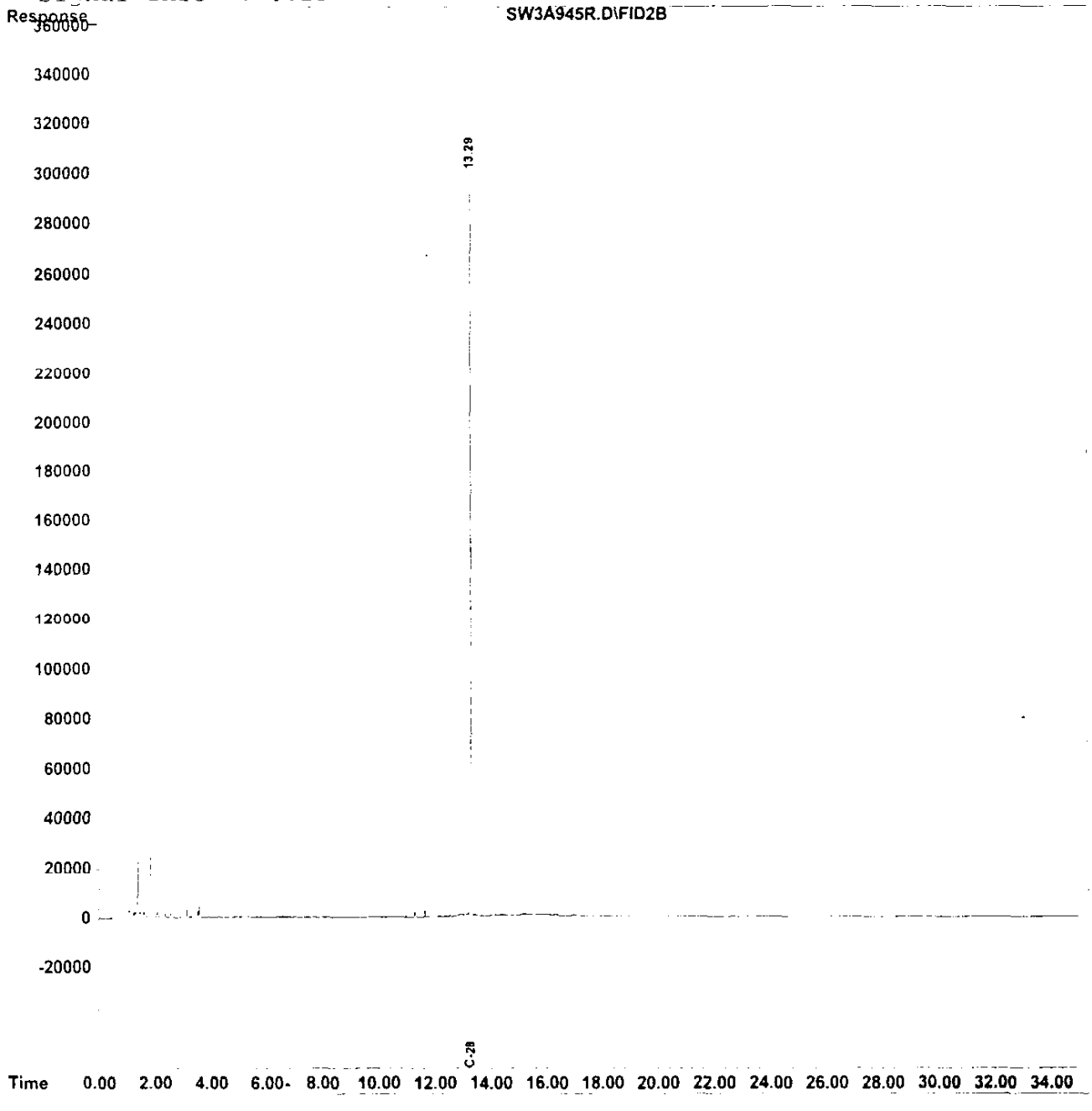
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6200	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A945R.D Vial: 4
Acq On : 8 Dec 1999 18:59 Operator: JAA/KLH
Sample : 9913260 Inst : SW3
Misc : 683-F-F5 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:14 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A945R.D Vial: 4
Acq On : 8 Dec 1999 18:59 Operator: JAA/KLH
Sample : 9913260 Inst : SW3
Misc : 683-F-F5 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:14 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5645495	85.882 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)-manual int030009
SW3A945R.D W1130DR.M Thu Dec 09 09:27:04 1999 BUDDY Page 1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-E5

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913261

Sample wt/vol: 20 (g/ml) G Lab File ID. SW3A946R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 25 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

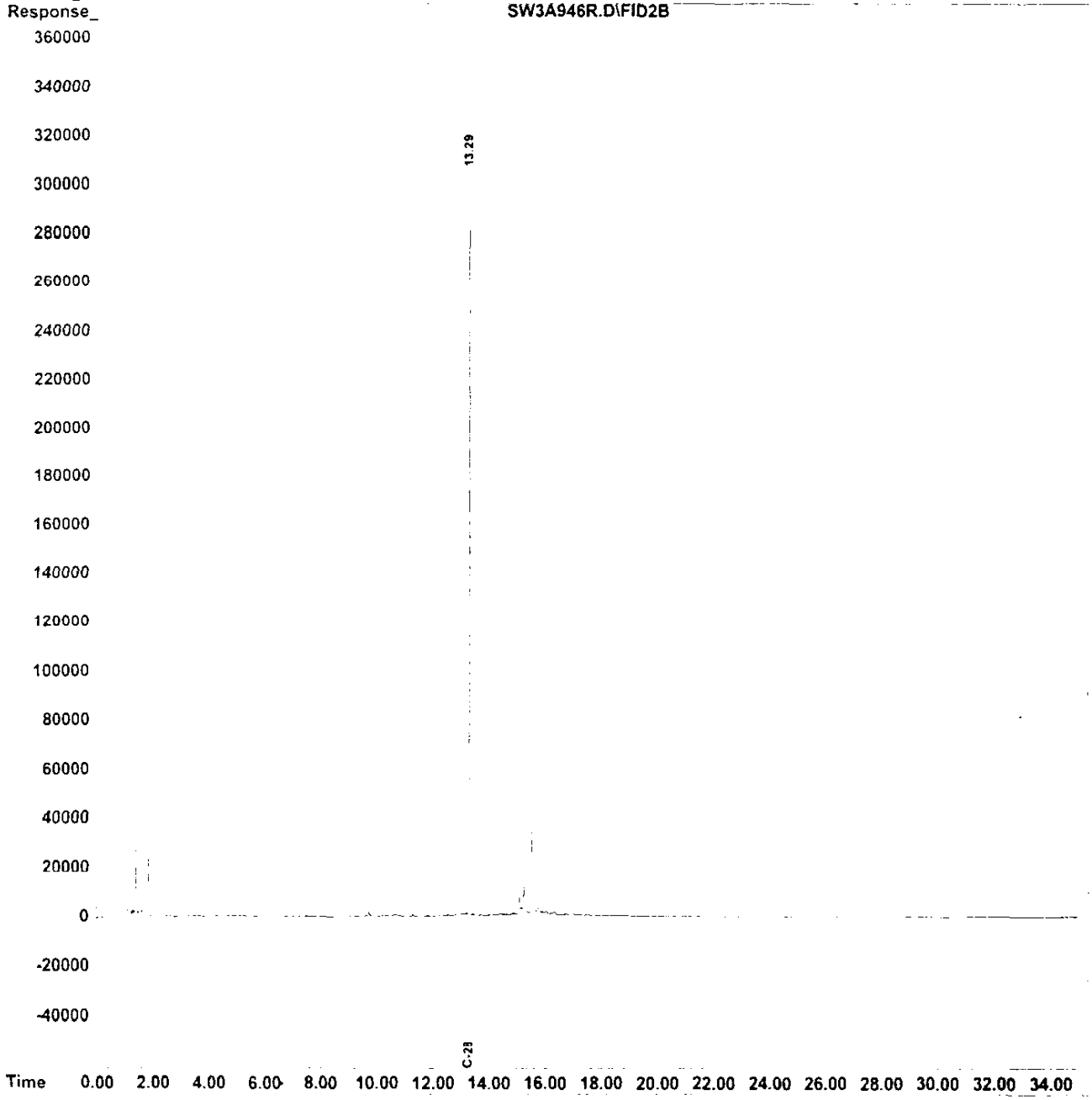
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6700	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A946R.D Vial: 5
Acq On : 8 Dec 1999 19:40 Operator: JAA/KLH
Sample : 9913261 Inst : SW3
Misc : 683-F-E5 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:14 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



SW3A946R.D W1130DR.M Thu Dec 09 09:27:10 1999 BUDDY

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A946R.D Vial: 5
Acq On : 8 Dec 1999 19:40 Operator: JAA/KLH
Sample : 9913261 Inst : SW3
Misc : 683-F-E5 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:14 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5747398	87.433 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A946R.D W1130DR.M Thu Dec 09 09:27:10 1999 BUDDY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-F6A

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913262

Sample wt/vol: 20.2 (g/ml) G Lab File ID: SW3A947R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 21 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

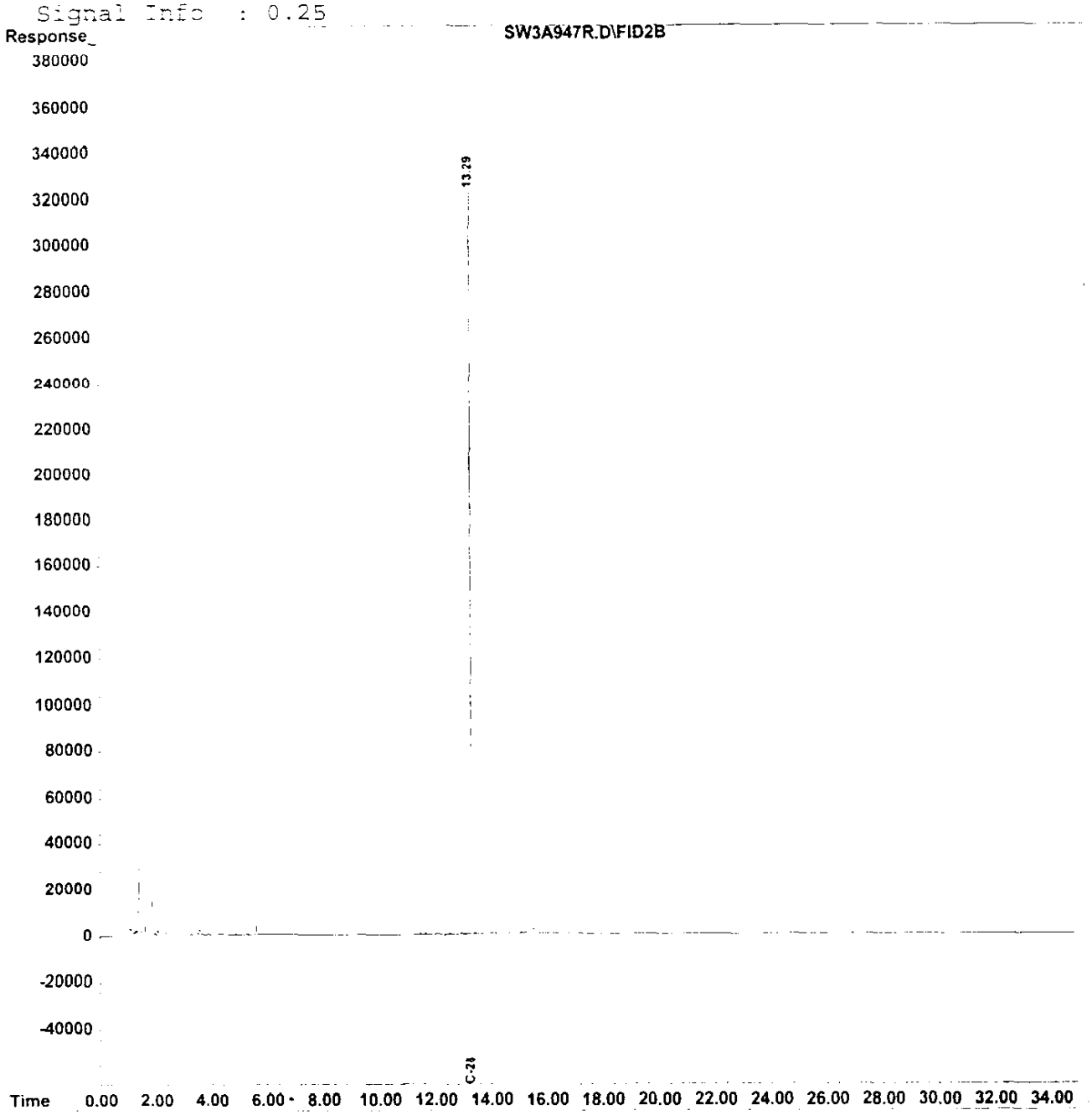
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6300	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A947R.D Vial: 6
Acq On : 8 Dec 1999 20:21 Operator: JAA/KLH
Sample : 9913262 Inst : SW3
Misc : 683-F-F6A Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:14 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A947R.D Vial: 6
Acq On : 8 Dec 1999 20:21 Operator: JAA/KLH
Sample : 9913262 Inst : SW3
Misc : 683-F-F6A Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:14 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6115917	93.039 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)-manual int.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G6

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913263

Sample wt/vol: 20.1 (g/ml) G Lab File ID: SW3A948R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 7 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

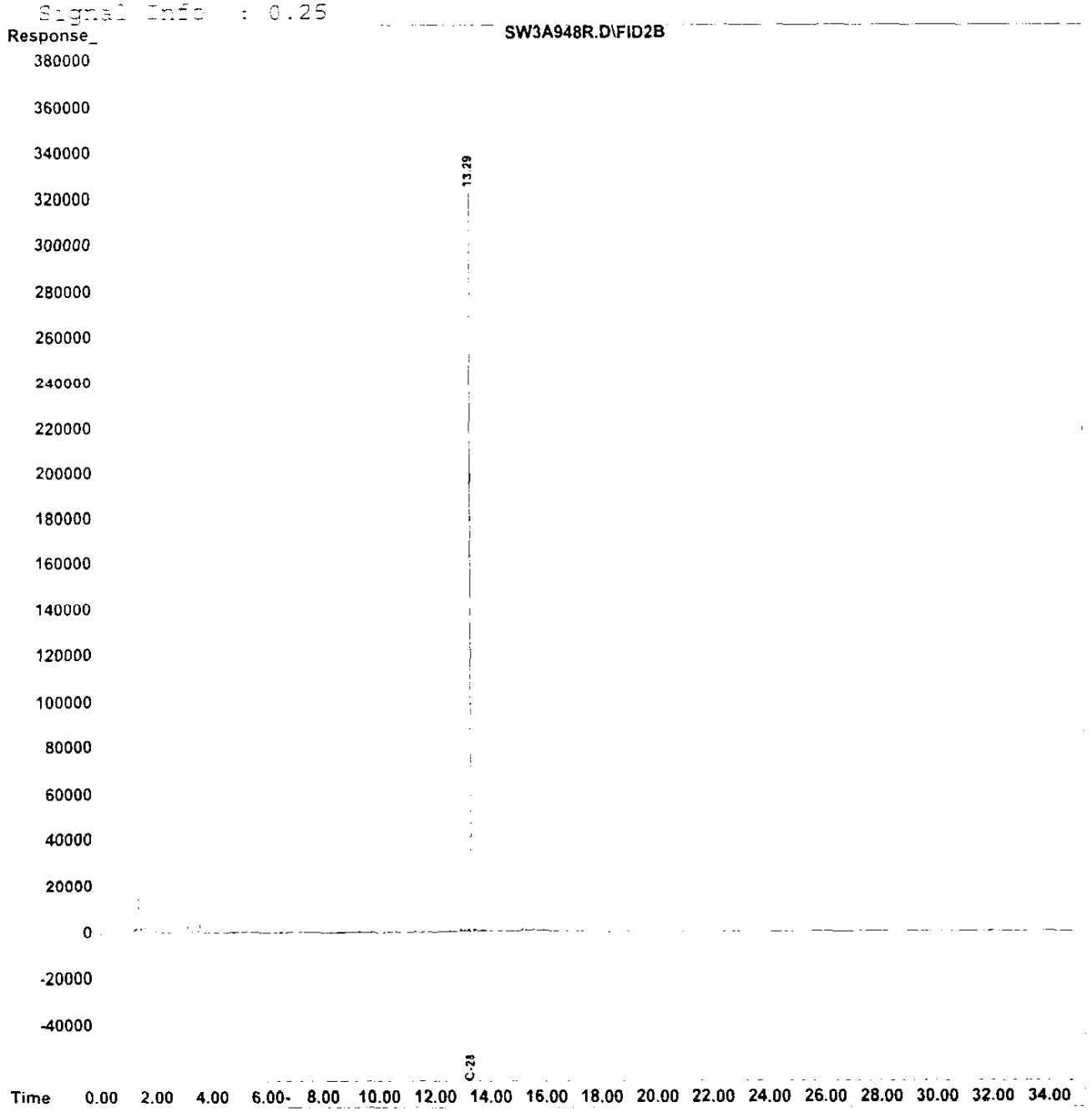
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	5300	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A948R.D Vial: 7
Acq On : 8 Dec 1999 21:02 Operator: JAA/KLH
Sample : 9913263 Inst : SW3
Misc : 683-F-G6 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:15 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



030017

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A948R.D Vial: 7
Acq On : 8 Dec 1999 21:02 Operator: JAA/KLH
Sample : 9913263 Inst : SW3
Misc : 683-F-G6 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:15 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6006675	91.377 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A948R.D W1130DR.M Thu Dec 09 09:27:20 1999 BUDDY Page 020018

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-E7

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913264

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A949R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 23 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

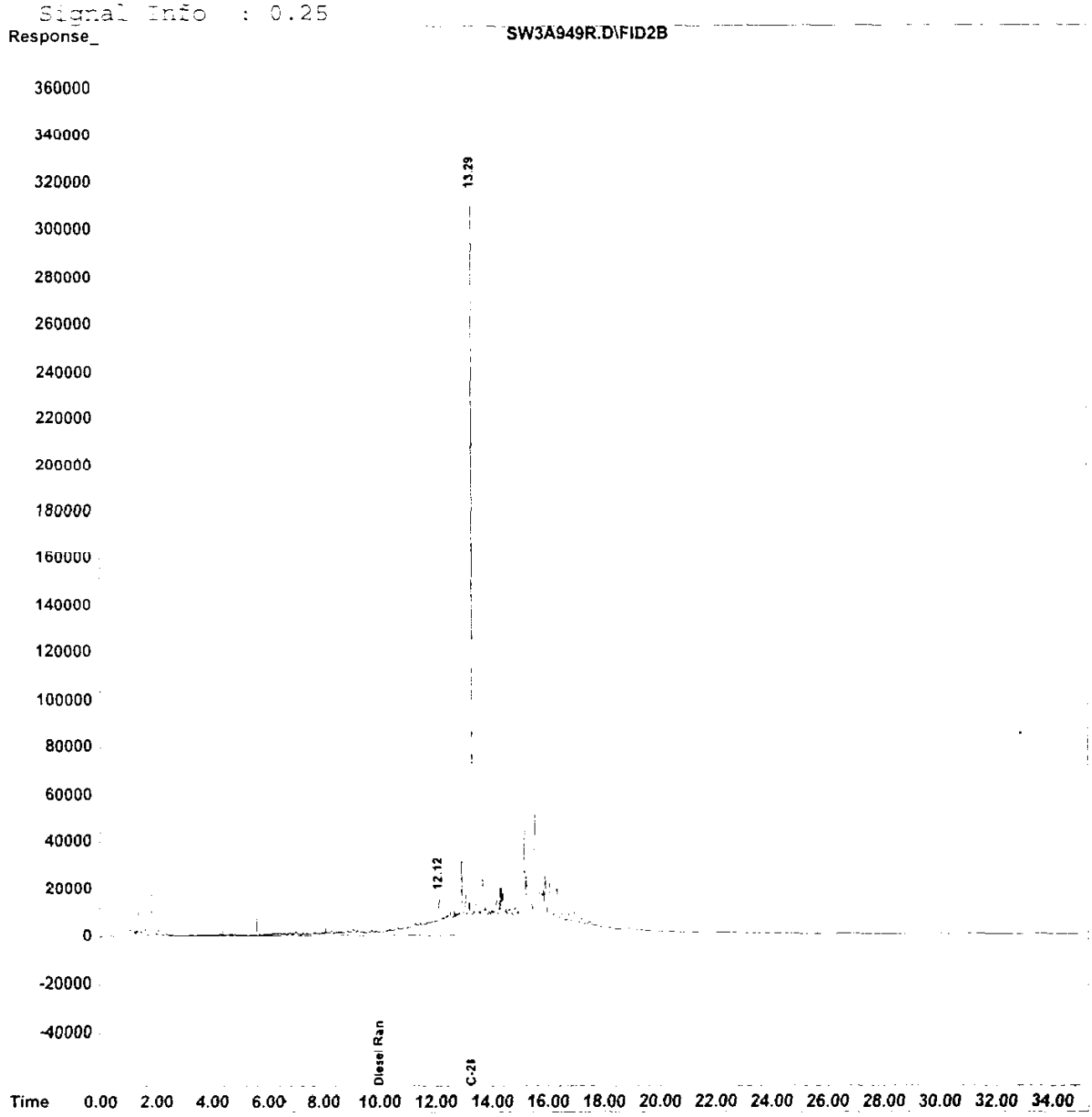
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	11000	

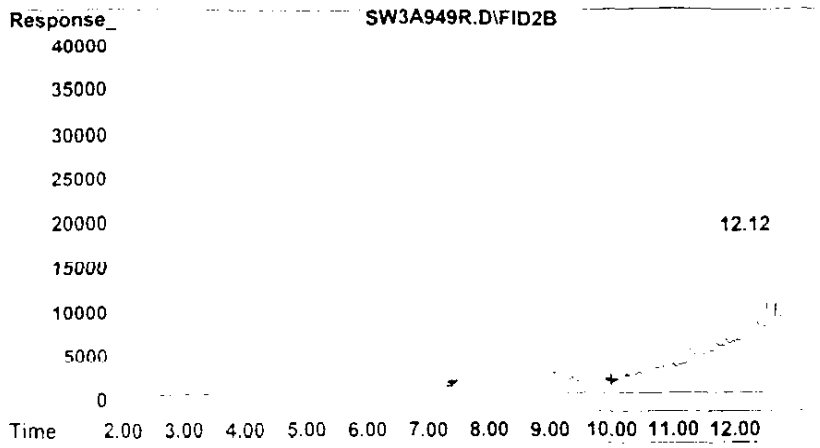
Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A949R.D Vial: 8
Acq On : 8 Dec 1999 21:43 Operator: JAA/KLH
Sample : 9913264 Inst : SW3
Misc : 683-F-E7 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:15 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 10978715
Conc: 173.05 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A949R.D Vial: 8
Acq On : 8 Dec 1999 21:43 Operator: JAA/KLH
Sample : 9913264 Inst : SW3
Misc : 683-F-E7 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:15 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5778303	87.903 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	10978715	173.046 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A949R.D W1130DR.M Thu Dec 09 09:27:26 1999 BUDDY Page 1

030022

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G7

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913265

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A950R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 23 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

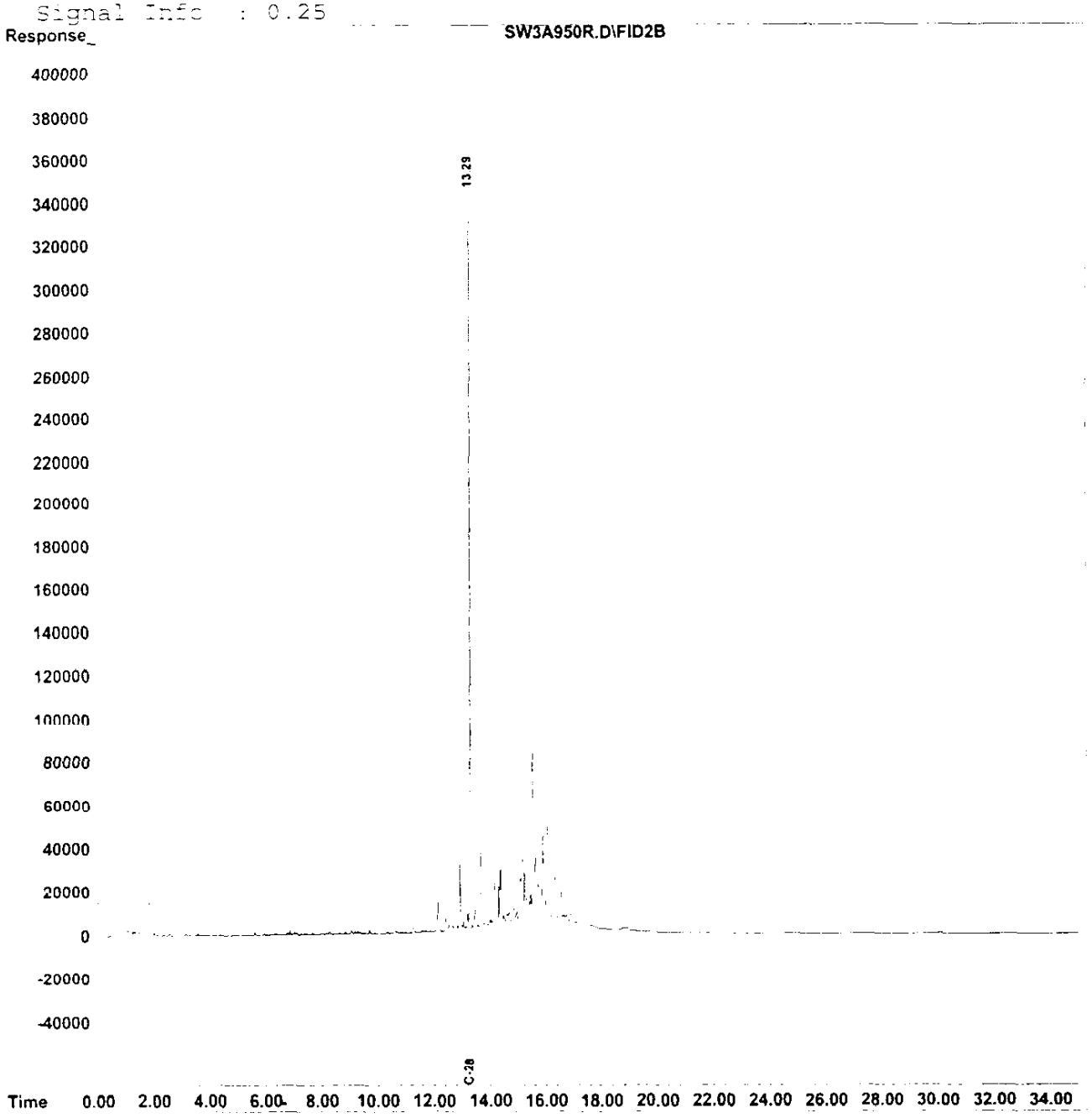
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6500	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A950R.D Vial: 9
Acq On : 8 Dec 1999 22:24 Operator: JAA/KLH
Sample : 9913265 Inst : SW3
Misc : 683-F-G7 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:16 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A950R.D Vial: 9
Acq On : 8 Dec 1999 22:24 Operator: JAA/KLH
Sample : 9913265 Inst : SW3
Misc : 683-F-G7 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:16 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6387591	97.171 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW1

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913266

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A051R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 14 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

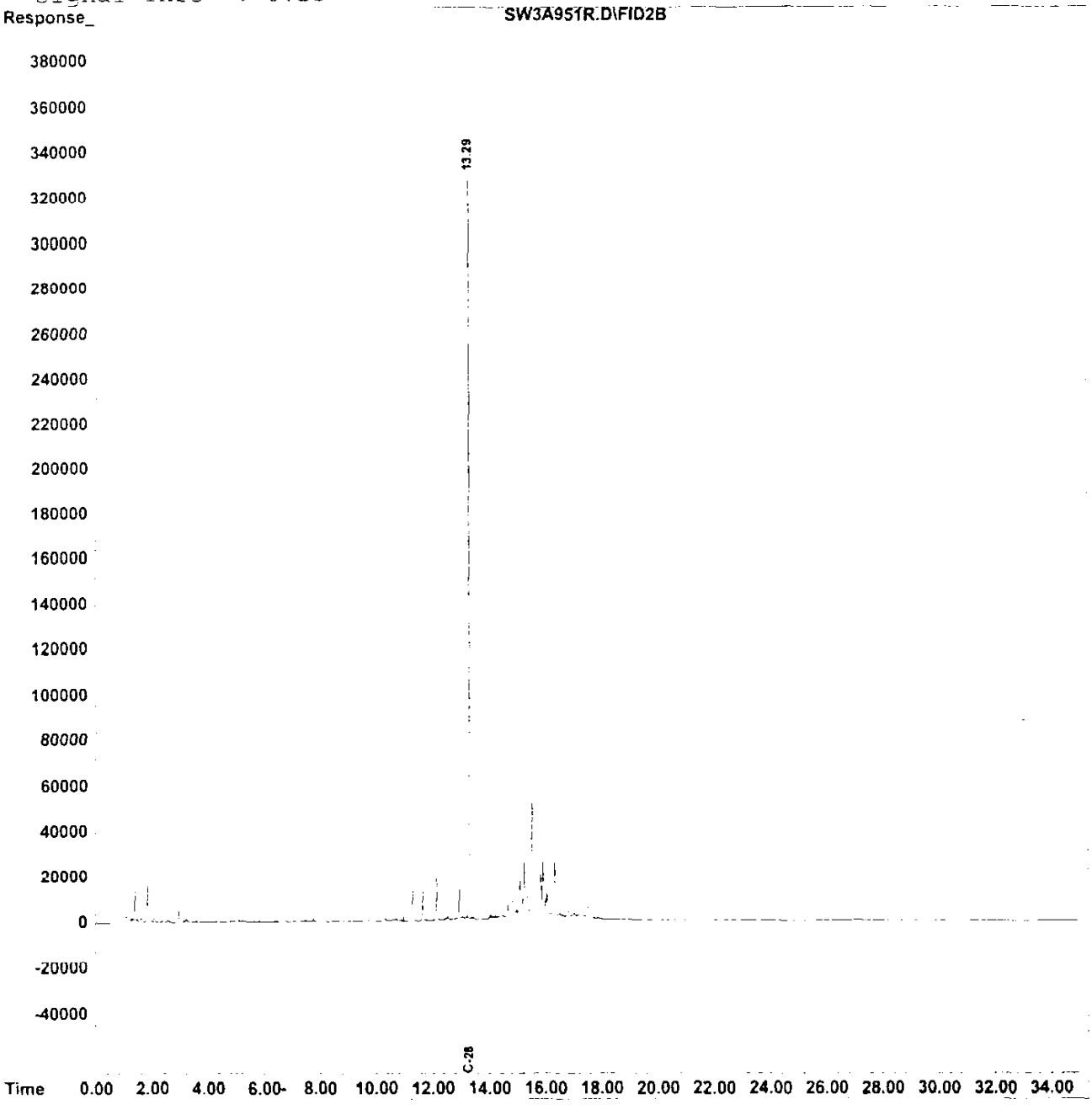
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	5800	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A951R.D Vial: 10
Acq On : 8 Dec 1999 23:05 Operator: JAA/KLH
Sample : 9913266 Inst : SW3
Misc : 683-SEW1 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:16 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A951R.D Vial: 10
Acq On : 8 Dec 1999 23:05 Operator: JAA/KLH
Sample : 9913266 Inst : SW3
Misc : 683-SEW1 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:16 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6195603	94.251 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW2

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913267

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A956R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 17 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

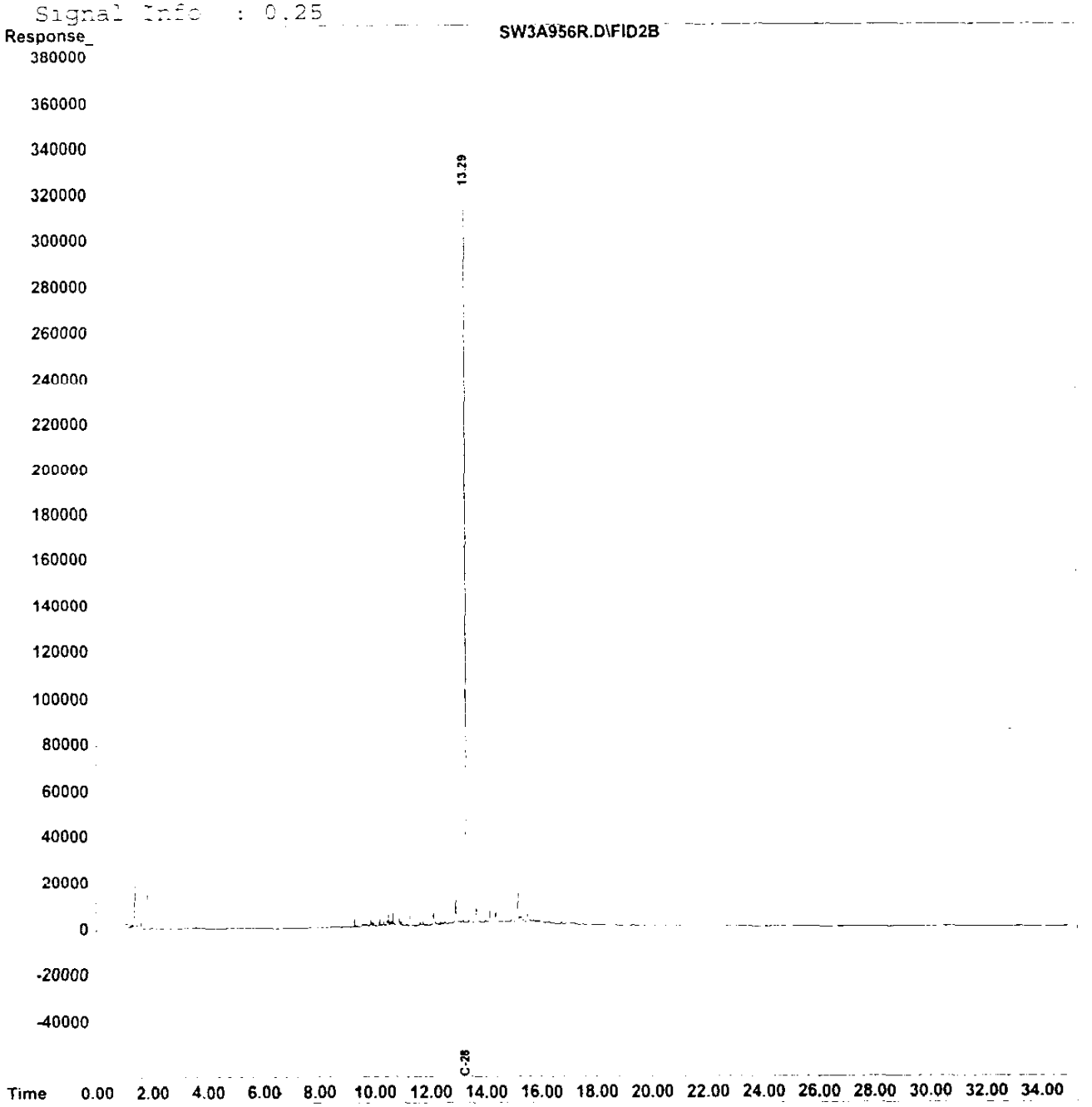
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6000	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A956R.D Vial: 15
Acq On : 9 Dec 1999 2:30 Operator: JAA/KLH
Sample : 9913267 Inst : SW3
Misc : 683-SEW2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:17 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A956R.D Vial: 15
Acq On : 9 Dec 1999 2:30 Operator: JAA/KLH
Sample : 9913267 Inst : SW3
Misc : 683-SEW2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:17 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6056491	92.135 ug/mLm
Target Compounds			

(t)=RT Delta > 1/2 Window (m)-manual int

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SWW1A

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913268

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A957R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 21 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

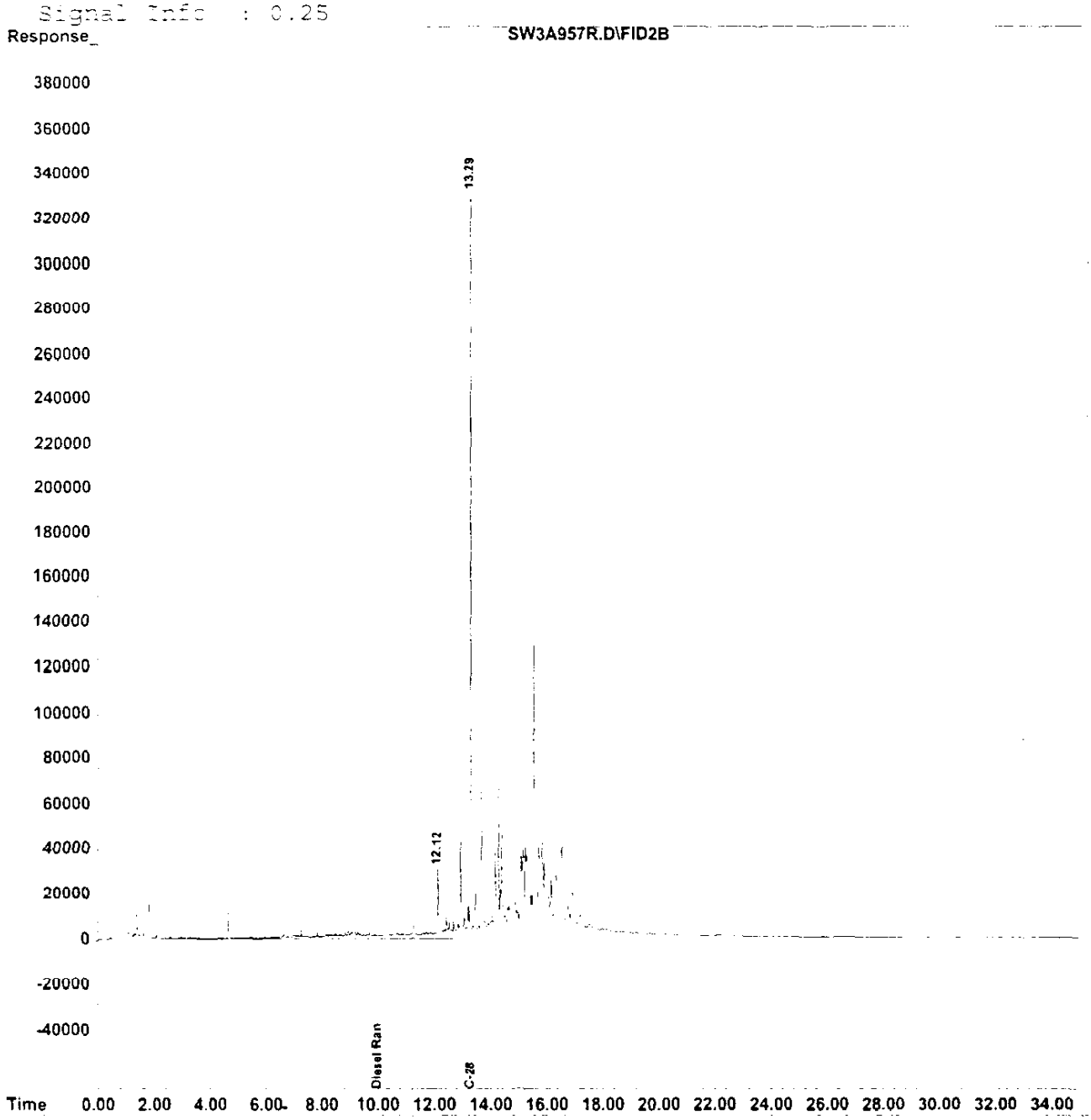
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	8700	

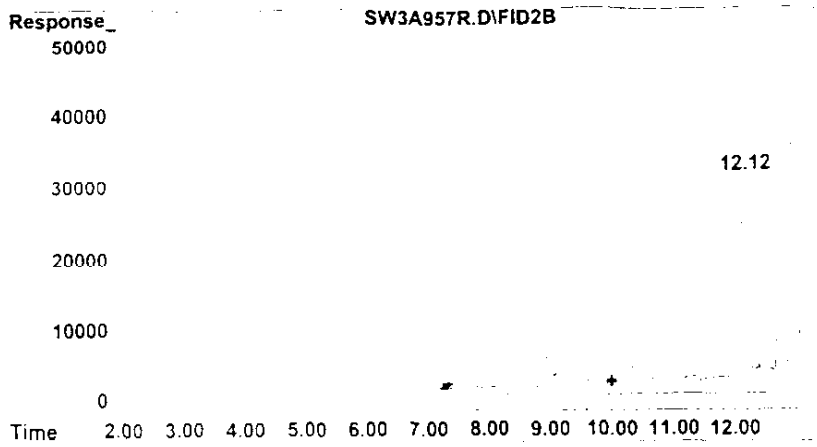
Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A957R.D Vial: 16
Acq On : 9 Dec 1999 3:11 Operator: JAA/KLH
Sample : 9913268 Inst : SW3
Misc : 683-SWW1A Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:18 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 8681403
Conc: 136.84 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A957R.D Vial: 16
Acq On : 9 Dec 1999 3:11 Operator: JAA/KLH
Sample : 9913268 Inst : SW3
Misc : 683-SWW1A Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:18 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6106016	92.888 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	8681403	136.836 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A957R.D W1130DR.M Thu Dec 09 09:27:57 1999 BUDDY Page 1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-NWW2

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913269

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A958R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 15 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

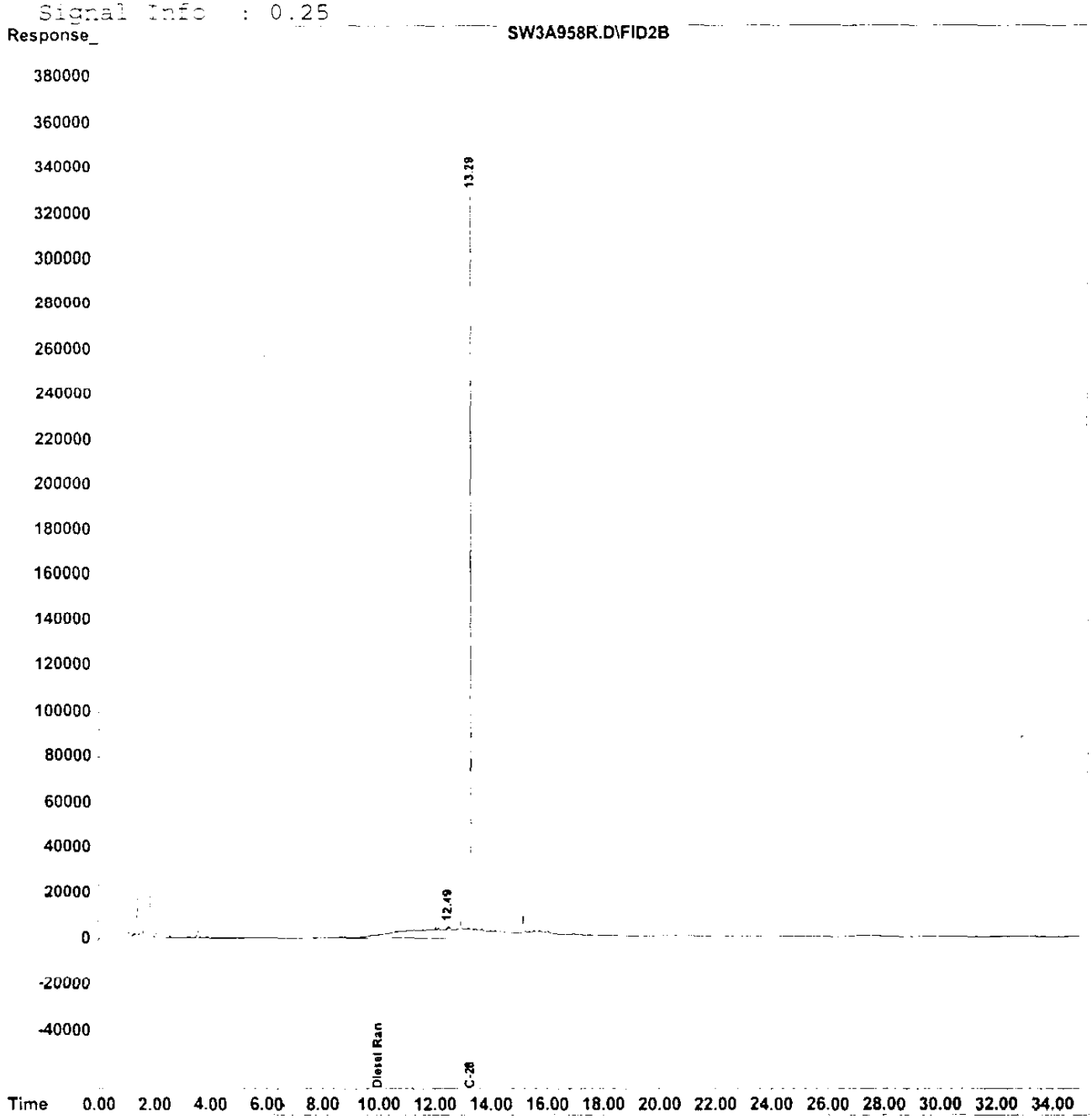
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	5900	

Quantitation Report

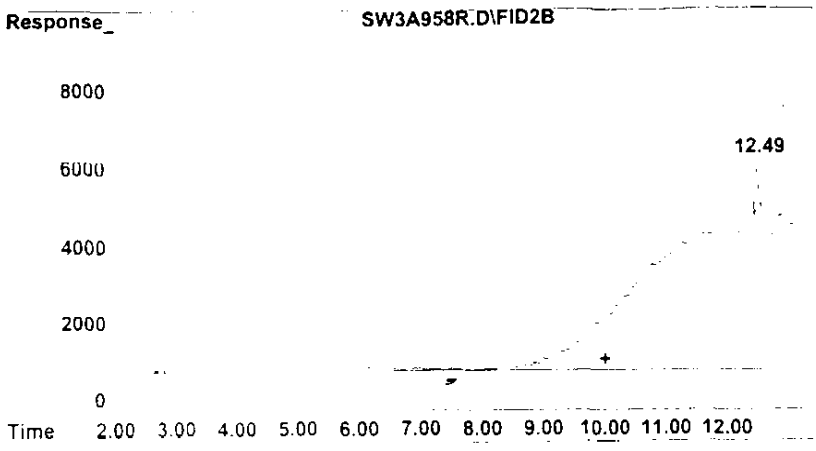
Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A958R.D Vial: 17
Acq On : 9 Dec 1999 3:52 Operator: JAA/KLH
Sample : 9913269 Inst : SW3
Misc : 683-NWW2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:18 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



036037



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 6366172
Conc: 100.34 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A958R.D Vial: 17
Acq On : 9 Dec 1999 3:52 Operator: JAA/KLH
Sample : 9913269 Inst : SW3
Misc : 683-NWW2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:18 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6122966	93.146 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	6366172	100.344 ug/mL

(f)=RT Delta > 1/2 Window (m)-manual int.
SW3A958R.D W1130DR.M Thu Dec 09 09:28:02 1999 BUDDY Page 1

030039

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-NEW2

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913270

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A959R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 10 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (ul) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

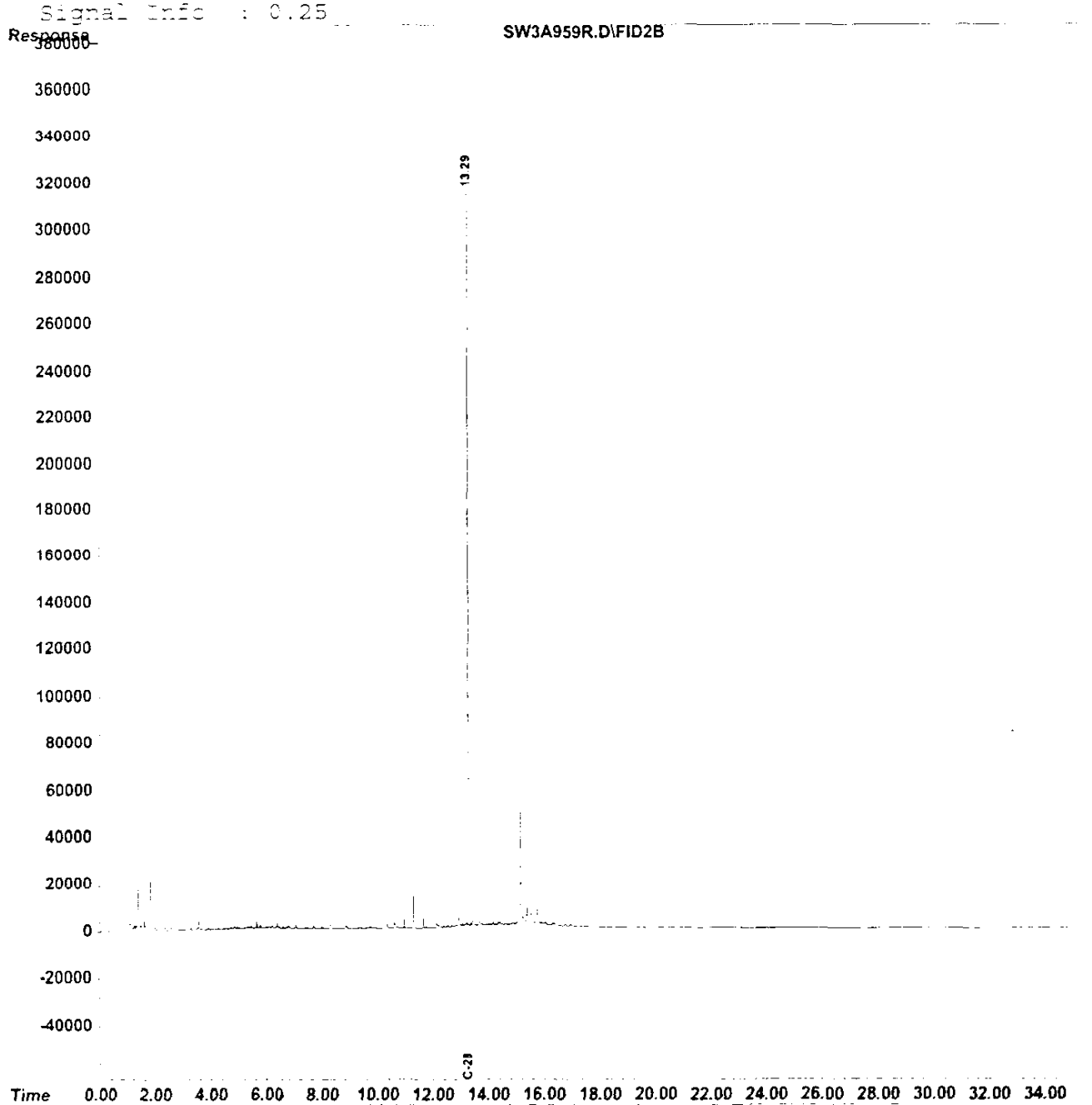
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	5600	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A959R.D Vial: 18
Acq On : 9 Dec 1999 4:33 Operator: JAA/KLH
Sample : 9913270 Inst : SW3
Misc : 683-NEW2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A959R.D Vial: 18
Acq On : 9 Dec 1999 4:33 Operator: JAA/KLH
Sample : 9913270 Inst : SW3
Misc : 683-NEW2 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5914124	89.969 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-G4W

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913271

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A960R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 24 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

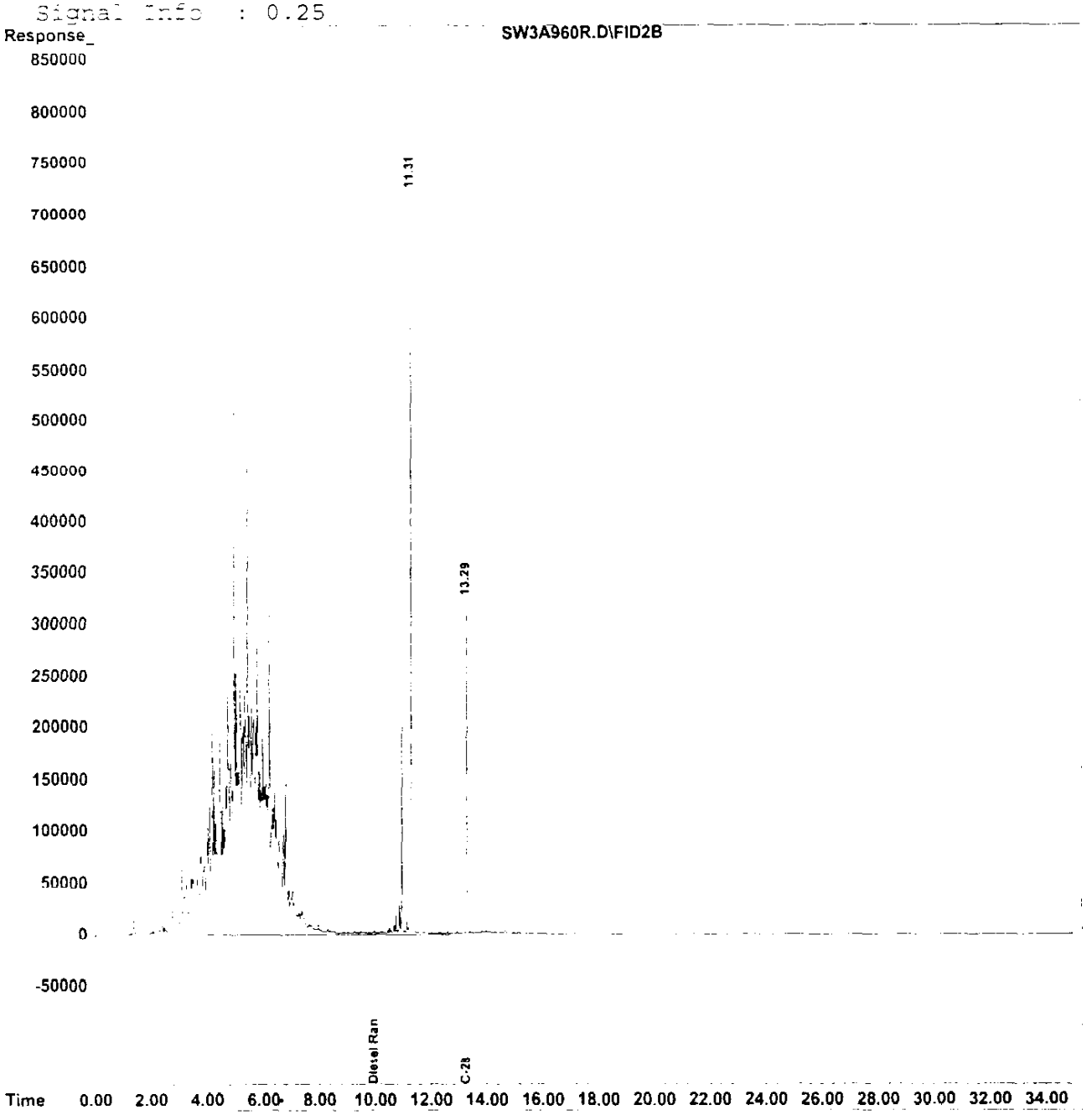
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	320000	E

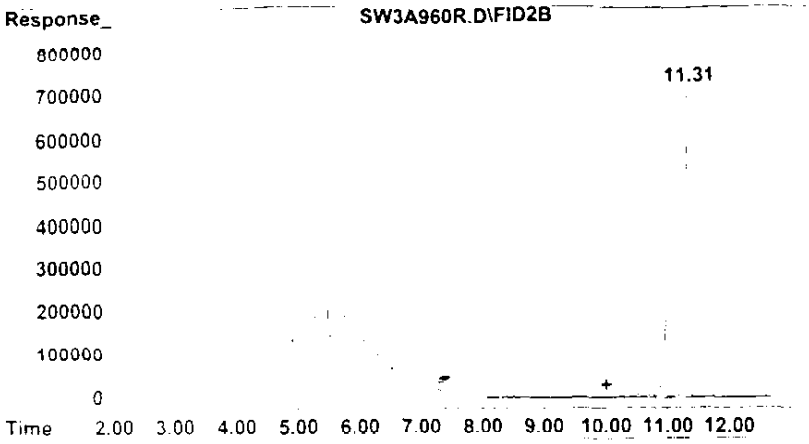
Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A960R.D Vial: 19
Acq On : 9 Dec 1999 5:14 Operator: JAA/KLH
Sample : 9913271 Inst : SW3
Misc : 683-G4W Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 307020206
Conc: 4839.25 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A960R.D Vial: 19
Acq On : 9 Dec 1999 5:14 Operator: JAA/KLH
Sample : 9913271 Inst : SW3
Misc : 683-G4W Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6032167	91.765 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	307020206	4839.248 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-G4WDL

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913271DL

Sample wt/vol: 20 (g/ml) G Lab File ID. SW3A966R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 24 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

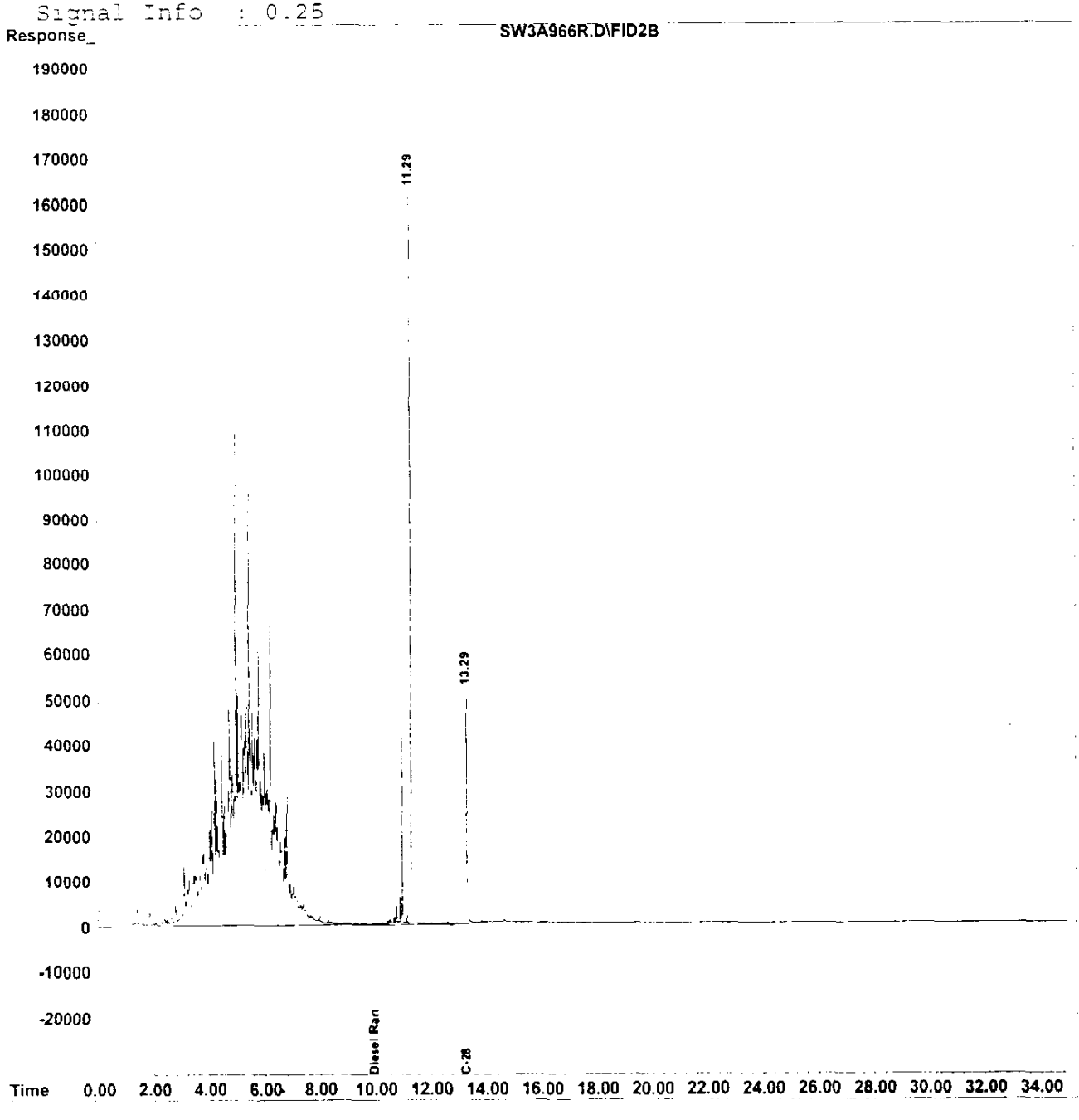
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	320000	D

Quantitation Report

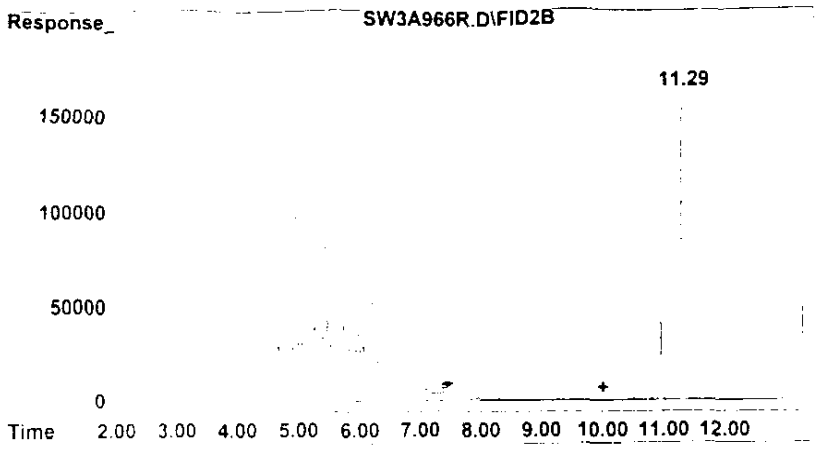
Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A966R.D Vial: 25
Acq On : 9 Dec 1999 9:27 Operator: JAA/KLH
Sample : 9913271DL 5X Inst : SW3
Misc : 683-G4WDL Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 10:03 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



030048



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 61671131
Conc: 972.06 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A966R.D Vial: 25
Acq On : 9 Dec 1999 9:27 Operator: JAA/KLH
Sample : 9913271DL 5X Inst : SW3
Misc : 683-G4WDL Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 10:03 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	1117905	17.006 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	61671131	972.060 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A966R.D W1130DR.M Thu Dec 09 10:03:47 1999 BUDDY Page 1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-H5W

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913272

Sample wt/vol: 20.1 (g/ml) G Lab File ID: SW3A961R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 18 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

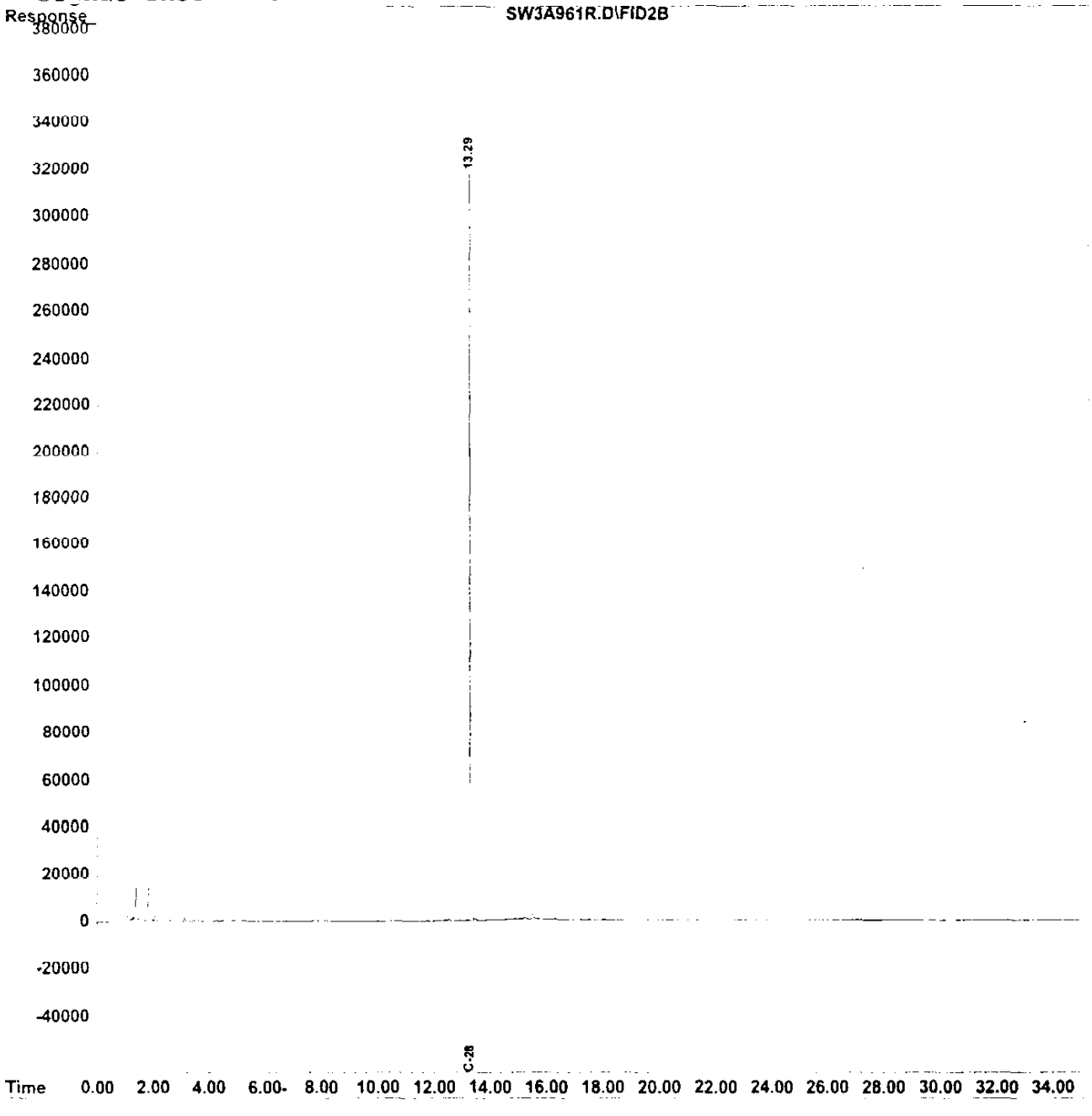
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6100	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A961R.D Vial: 20
Acq On : 9 Dec 1999 5:55 Operator: JAA/KLH
Sample : 9913272 Inst : SW3
Misc : 683-H5W Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A961R.D Vial: 20
Acq On : 9 Dec 1999 5:55 Operator: JAA/KLH
Sample : 9913272 Inst : SW3
Misc : 683-H5W Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:19 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6072451	92.377 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A961R.D W1130DR.M Thu Dec 09 09:28:20 1999 BUDDY Page 1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G4

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913273

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A962R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 20 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

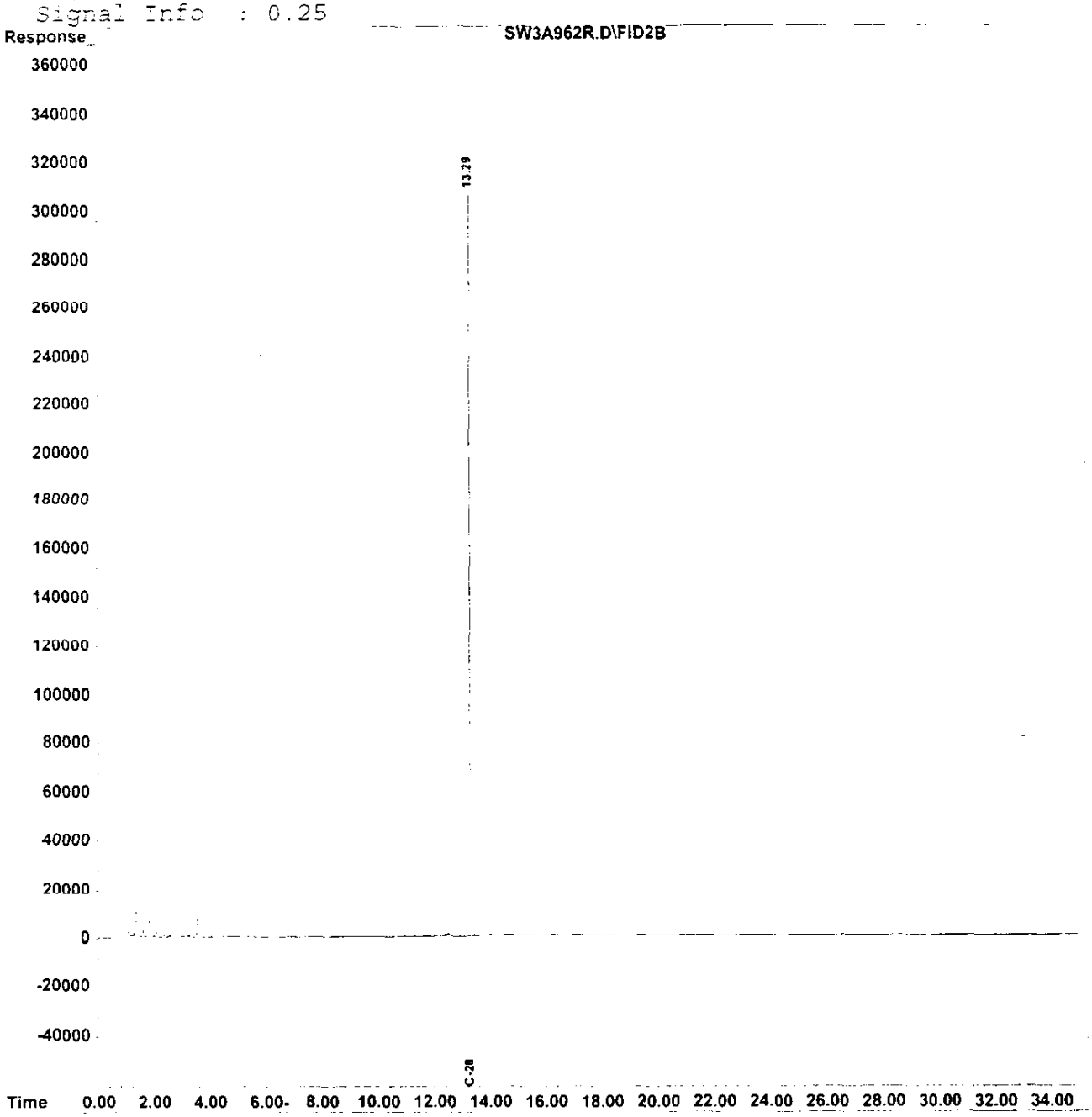
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	6200	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A962R.D Vial: 21
Acq On : 9 Dec 1999 6:36 Operator: JAA/KLH
Sample : 9913273 Inst : SW3
Misc : 683-F-G4 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A962R.D Vial: 21
Acq On : 9 Dec 1999 6:36 Operator: JAA/KLH
Sample : 9913273 Inst : SW3
Misc : 683-F-G4 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5873031	89.344 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G5B

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913274

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A963R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 39 decanted: (Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

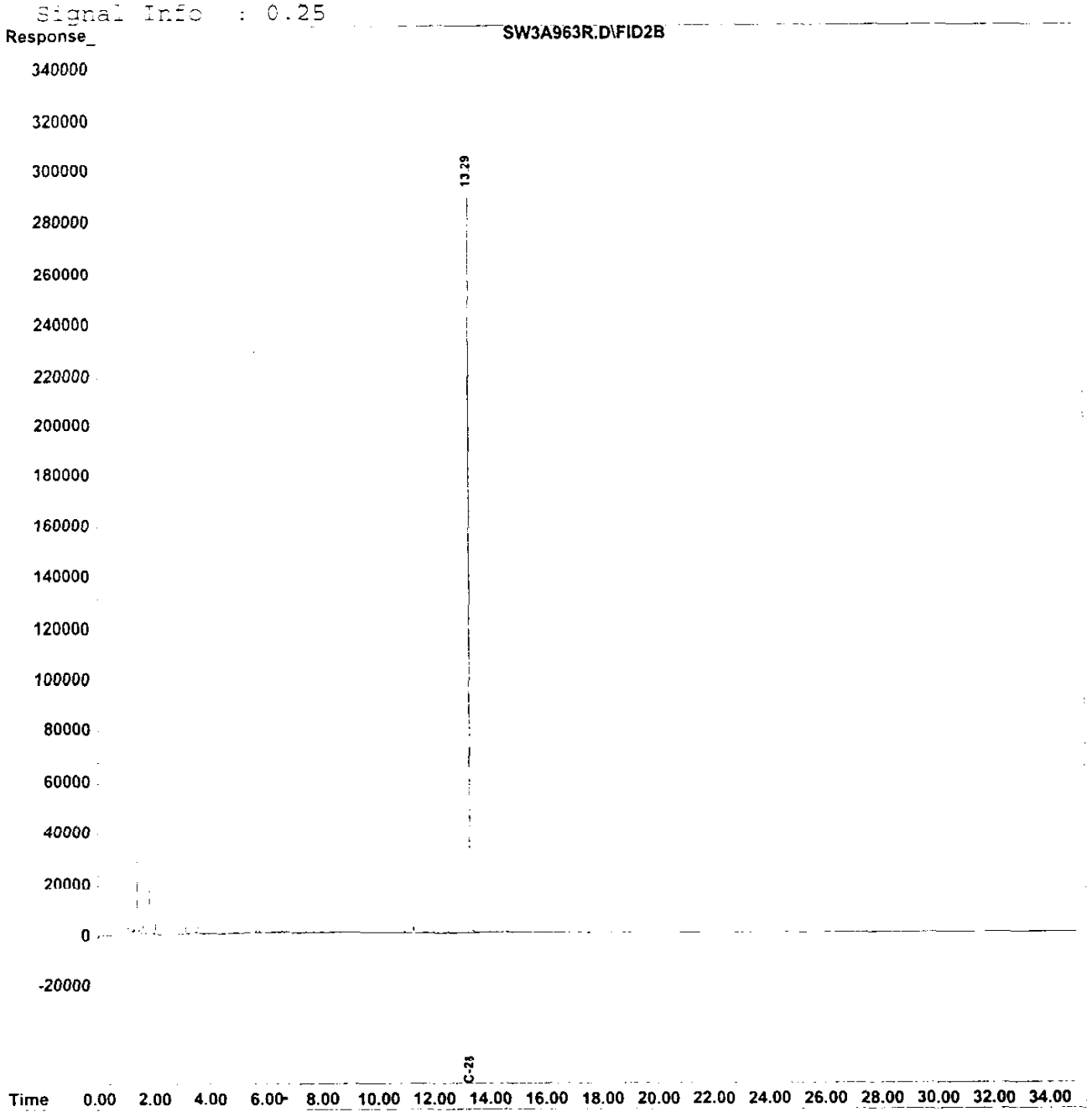
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	8200	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A963R.D Vial: 22
Acq On : 9 Dec 1999 7:17 Operator: JAA/KLH
Sample : 9913274 Inst : SW3
Misc : 683-F-G5B Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A963R.D Vial: 22
Acq On : 9 Dec 1999 7:17 Operator: JAA/KLH
Sample : 9913274 Inst : SW3
Misc : 683-F-G5B Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5666379	86.200 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A963R.D W1130DR.M Thu Dec 09 09:28:29 1999 BUDDY Page 1

030059

C. Standards Data

Response Factor Report SW3

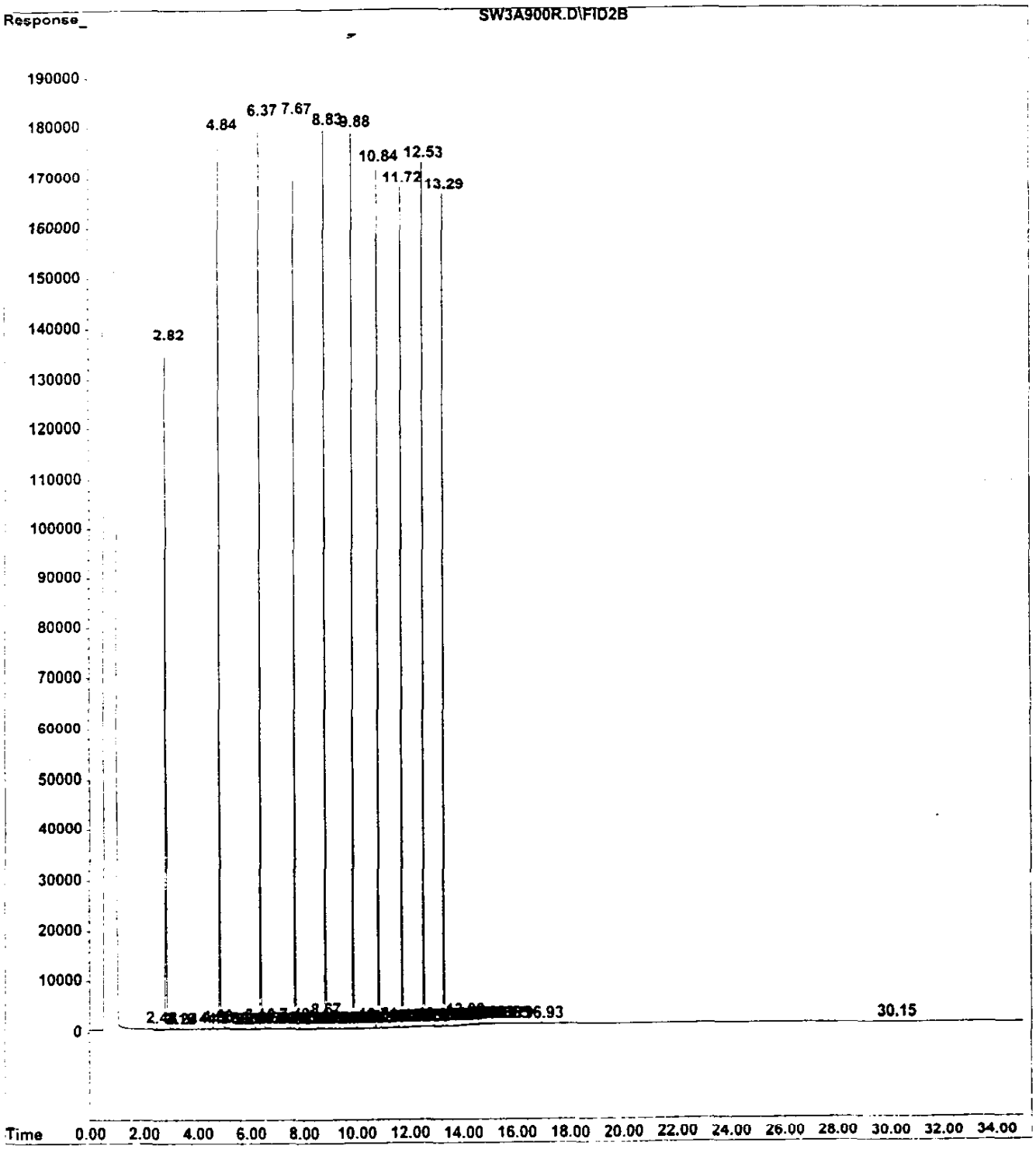
Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999

Calibration Files
CON1 =SW3A901R.D CON2 =SW3A902R.D CON3 =SW3A903R.D
CON4 =SW3A904R.D CON5 =SW3A905R.D

		Compound	CON1	CON2	CON3	CON4	CON5	Avg	%RSD
1)	H	Diesel Range Organics	6.398	6.237	6.345	6.376	6.367	6.344 E4	1.00
2)	S	C-28	6.789	6.642	6.579	6.573	6.286	6.574 E4	2.78

(#) = Out of Range

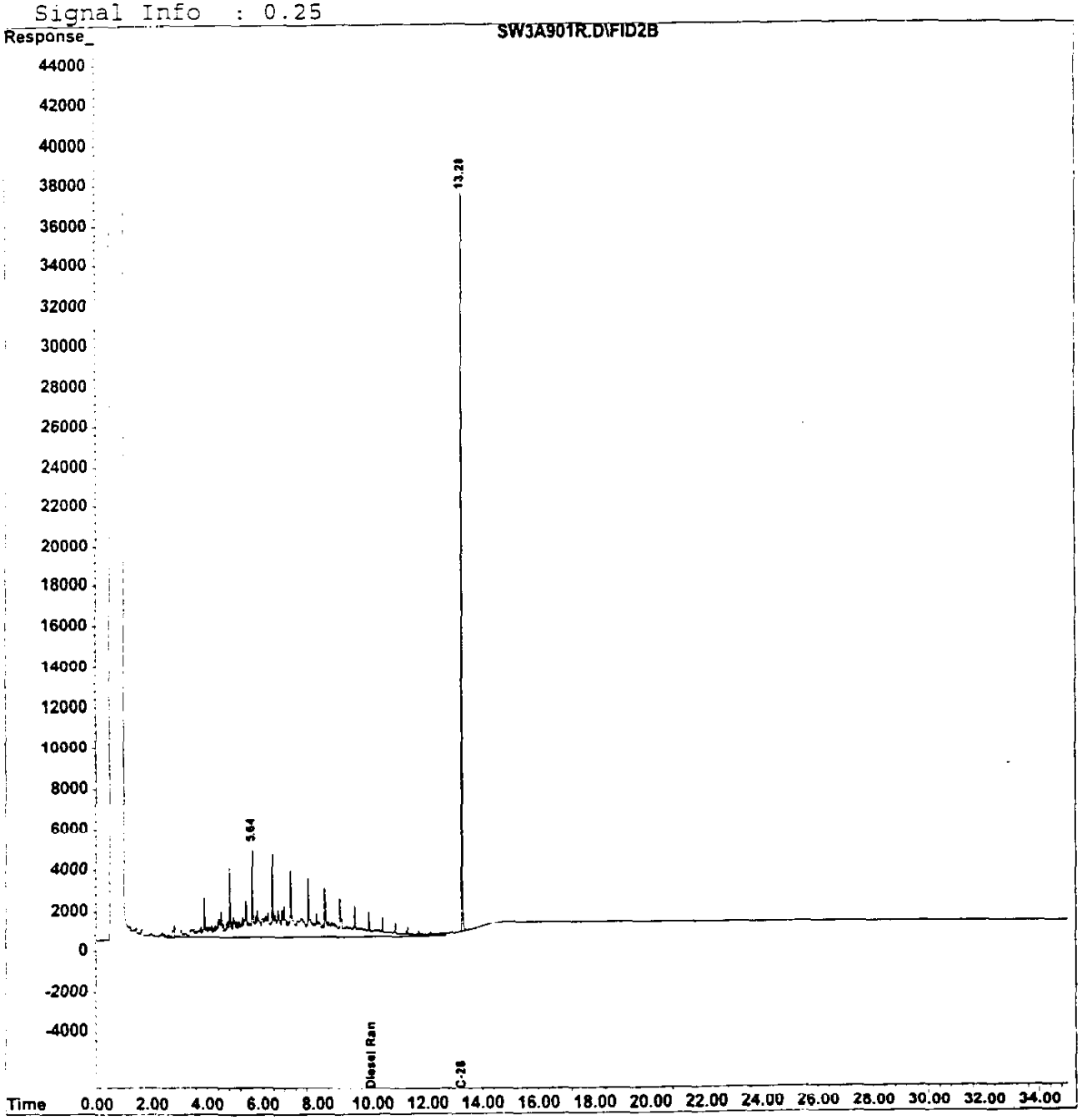
File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A900R.D
Operator : JAA
Acquired : 30 Nov 1999 16:38 using AcqMethod TPH-DSLR.M
Instrument : SW3
Sample Name: S-9114 RTM
Misc Info : C10-C28EVEN
Vial Number: 1

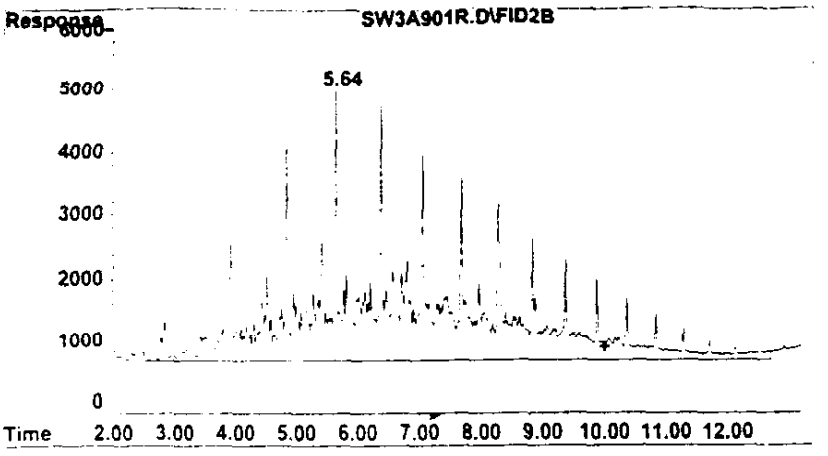


Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A901R.D Vial: 2
Acq On : 30 Nov 1999 17:19 Operator: JAA
Sample : S-9370 LL Inst : SW3
Misc : DIESEL (50 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 8:59 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 3198998
Conc: 50.93 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A901R.D Vial: 2
Acq On : 30 Nov 1999 17:19 Operator: JAA
Sample : S-9370 LL Inst : SW3
Misc : DIESEL (50 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 8:59 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

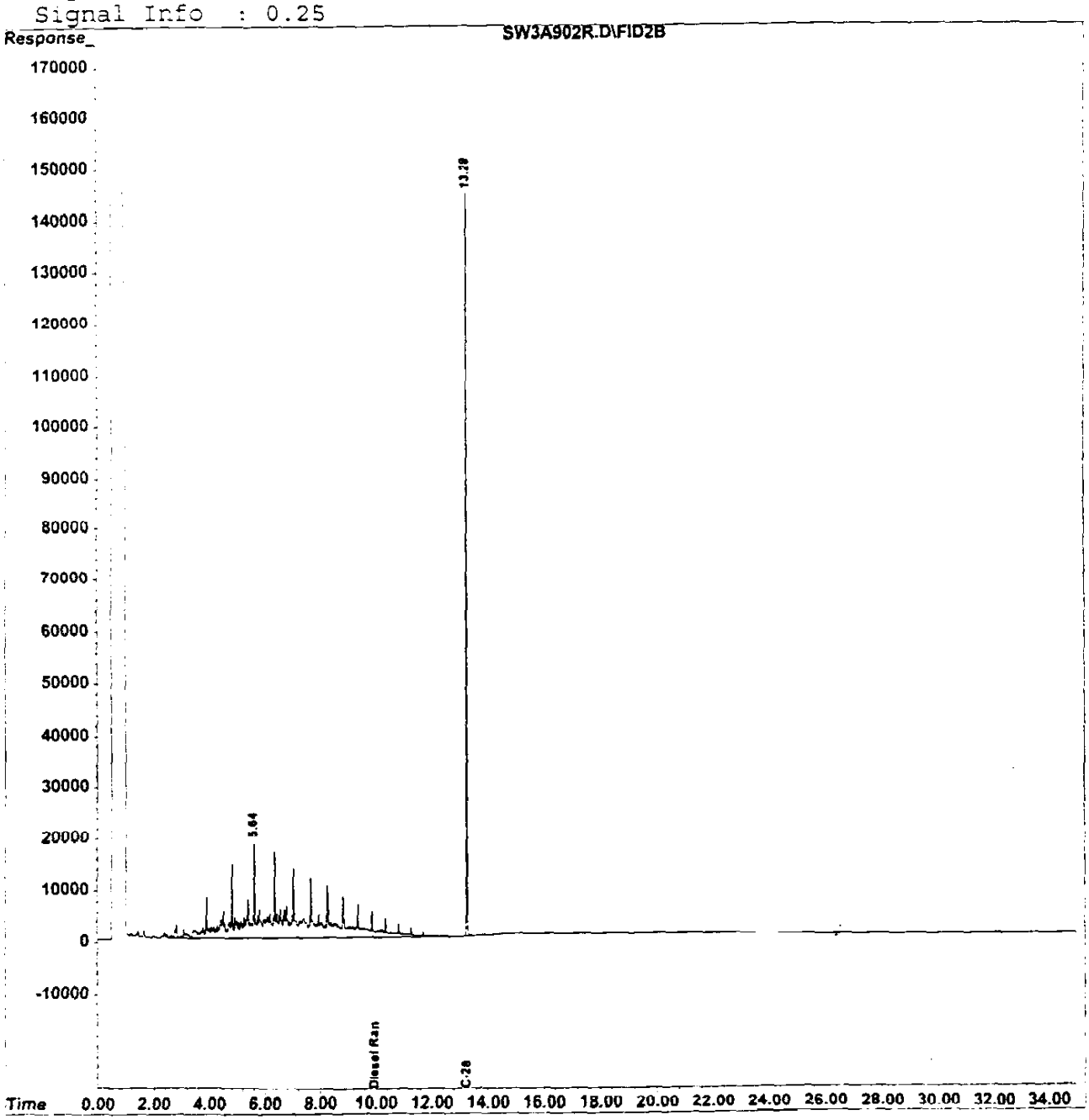
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.28	678879	10.782 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	3198998	50.928 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.

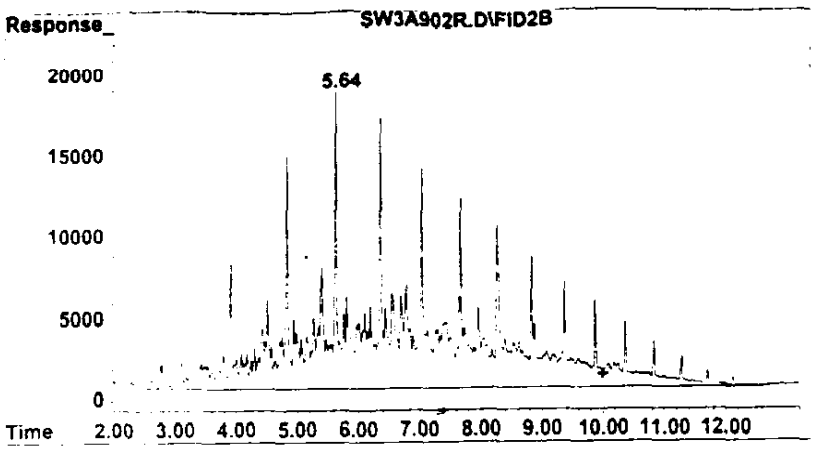
Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A902R.D Vial: 3
Acq On : 30 Nov 1999 18:00 Operator: JAA
Sample : S-9369 ML Inst : SW3
Misc : DIESEL (200 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:00 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



030086



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 12473012
Conc: 198.57 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A902R.D Vial: 3
Acq On : 30 Nov 1999 18:00 Operator: JAA
Sample : S-9369 ML Inst : SW3
Misc : DIESEL (200 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:00 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

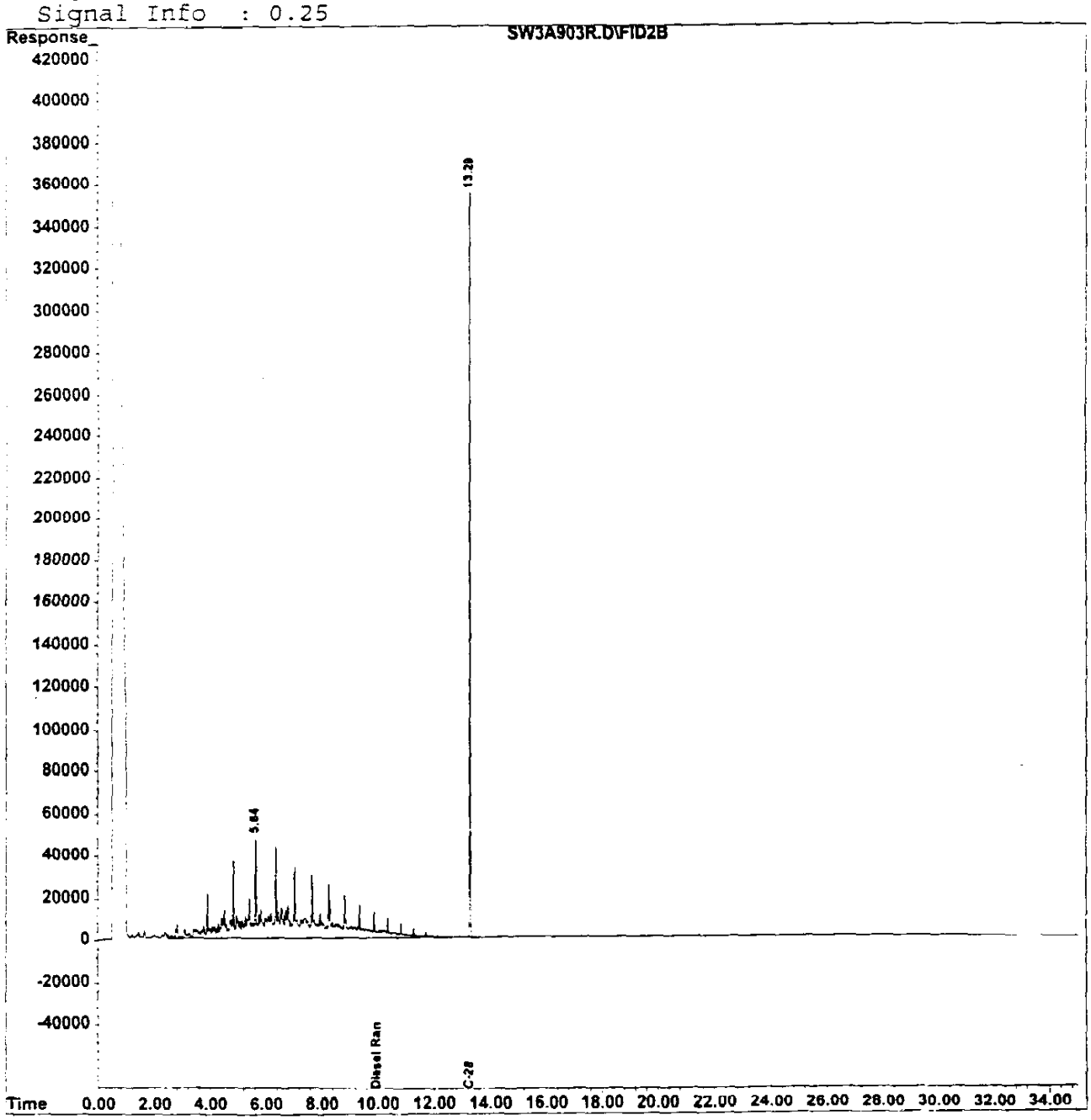
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	2656670	42.193 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	12473012	198.568 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A902R.D W1130DR.M Wed Dec 01 09:05:34 1999 BUDDY Page 1

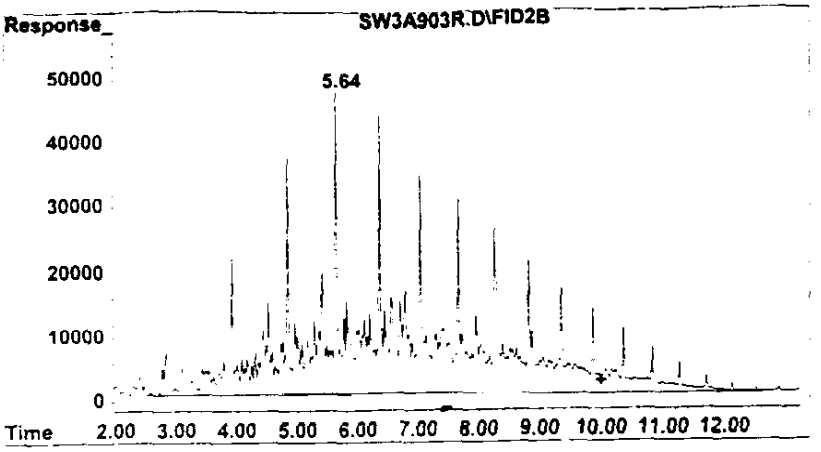
Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A903R.D Vial: 4
Acq On : 30 Nov 1999 18:41 Operator: JAA
Sample : S-9452 MM Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:00 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



030069



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31725790
Conc: 505.07 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A903R.D Vial: 4
Acq On : 30 Nov 1999 18:41 Operator: JAA
Sample : S-9452 MM Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:00 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

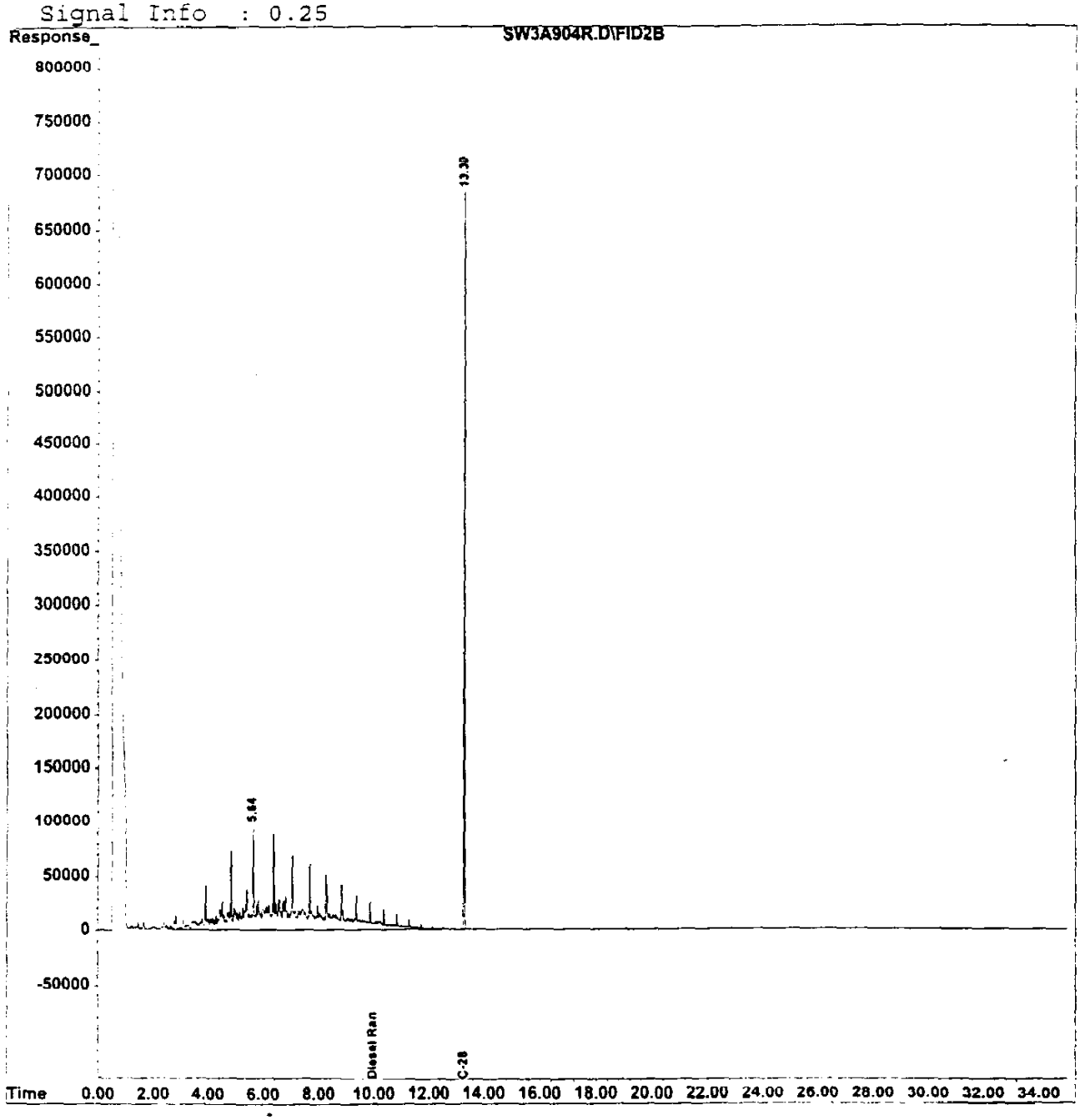
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6578977	104.486 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	31725790	505.069 ug/mL

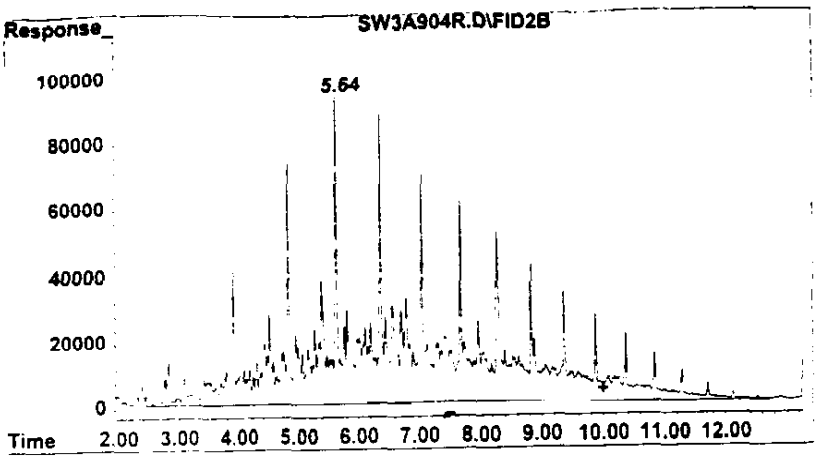
(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A903R.D W1130DR.M Wed Dec 01 09:05:38 1999 BUDDY Page 1

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A904R.D Vial: 5
Acq On : 30 Nov 1999 19:22 Operator: JAA
Sample : S-9367 MH Inst : SW3
Misc : DIESEL (1000 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:01 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 63755374
Conc: 1014.97 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A904R.D Vial: 5
Acq On : 30 Nov 1999 19:22 Operator: JAA
Sample : S-9367 MH Inst : SW3
Misc : DIESEL (1000 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:01 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

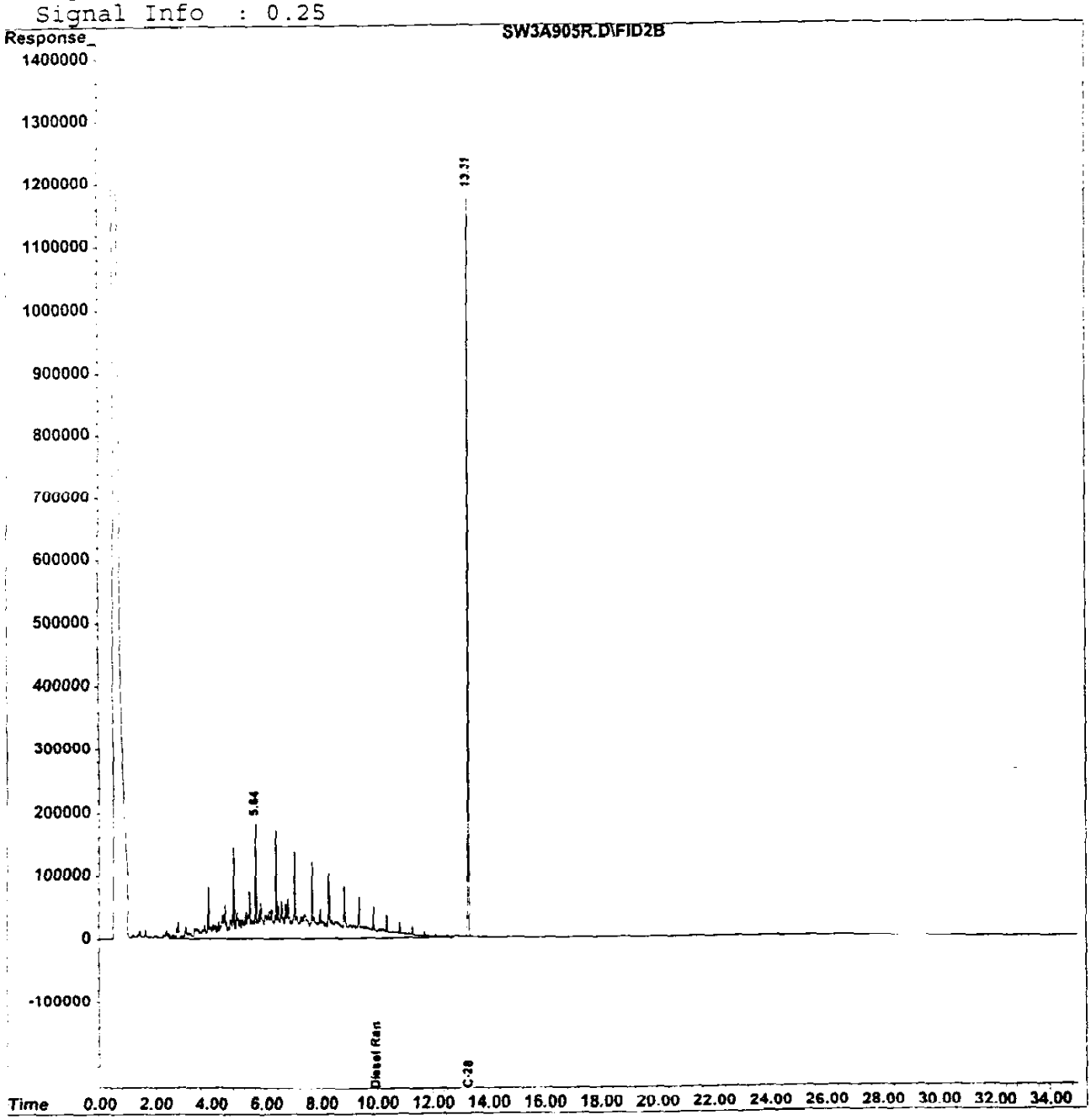
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.30	13145062	208.766 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	63755374	1014.975 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.

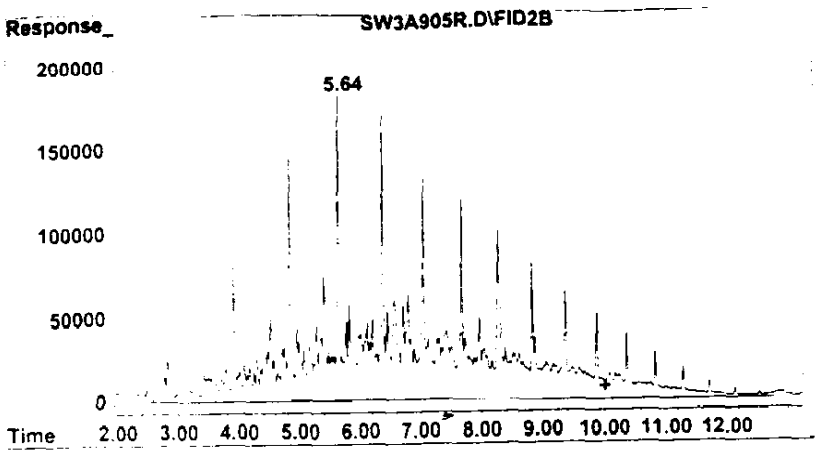
Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A905R.D Vial: 6
Acq On : 30 Nov 1999 20:03 Operator: JAA
Sample : S-9366 HH Inst : SW3
Misc : DIESEL (2000 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:01 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



030075



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 127333841
Conc: 2027.13 ug/mL m

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A905R.D Vial: 6
Acq On : 30 Nov 1999 20:03 Operator: JAA
Sample : S-9366 HH Inst : SW3
Misc : DIESEL (2000 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:01 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 10 17:06:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.31	25142605	399.308 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	127333841	2027.133 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.

Evaluate Continuing Calibration Report

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A906R.D Vial: 7
Acq On : 30 Nov 1999 20:44 Operator: JAA
Sample : S-9551 ICV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e

Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

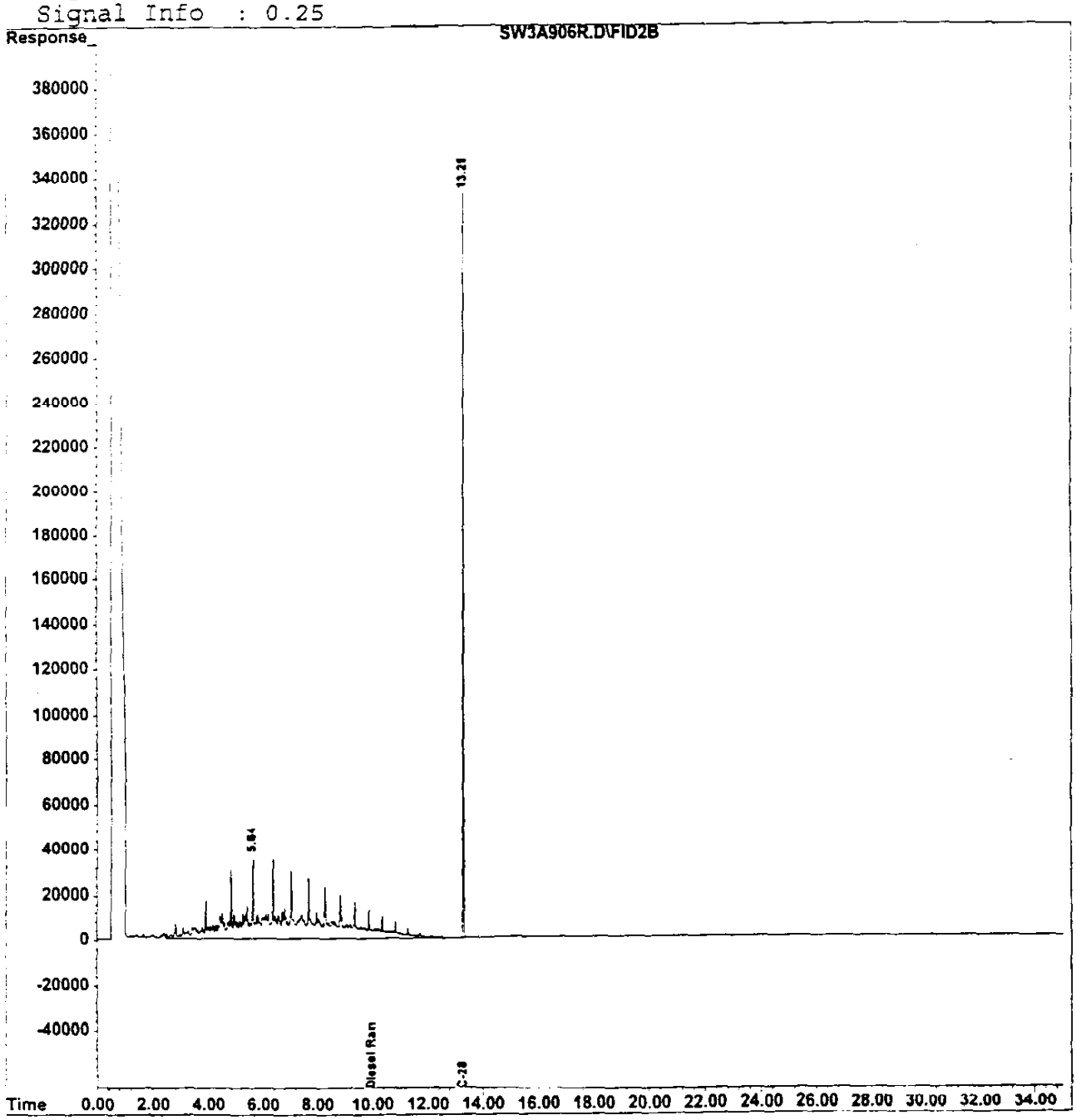
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	H	Diesel Range Organics	500.000	503.508	-0.7	0	0.00
2	S	C-28	100.000	93.782	6.2	0	0.00

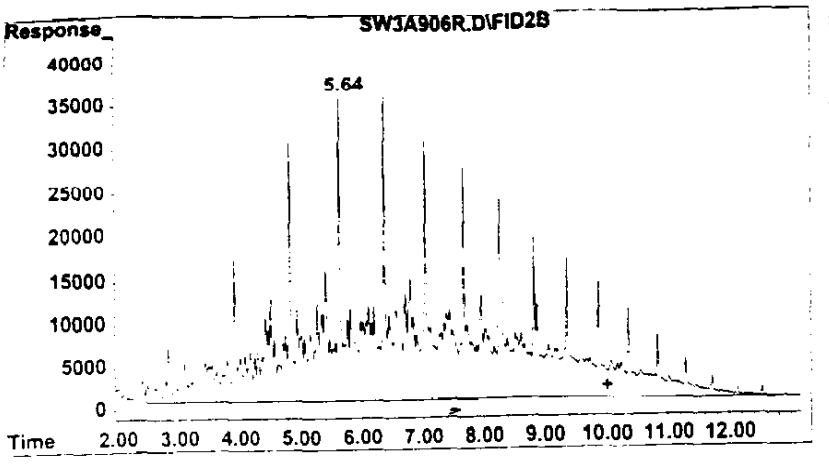
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A906R.D Vial: 7
Acq On : 30 Nov 1999 20:44 Operator: JAA
Sample : S-9551 ICV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:03 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31944432
Conc: 503.51 ug/mL m

Quantitation Report

Data File : O:\ORG\SVOA\FID\SW3\30NOV99\SW3A906R.D Vial: 7
Acq On : 30 Nov 1999 20:44 Operator: JAA
Sample : S-9551 ICV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 9:03 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6164807	93.782 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	31944432	503.508 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.
SW3A906R.D W1130DR.M Wed Dec 01 09:05:54 1999 BUDDY Page 1

Evaluate Continuing Calibration Report

Data File : O:\ORG\SVOA\FID\SW3\08DEC99\SW3A942R.D Vial: 1
Acq On : 8 Dec 1999 16:56 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e

Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	H	Diesel Range Organics	500.000	503.652	-0.7	0	0.00
2	S	C-28	100.000	94.609	5.4	0	0.00

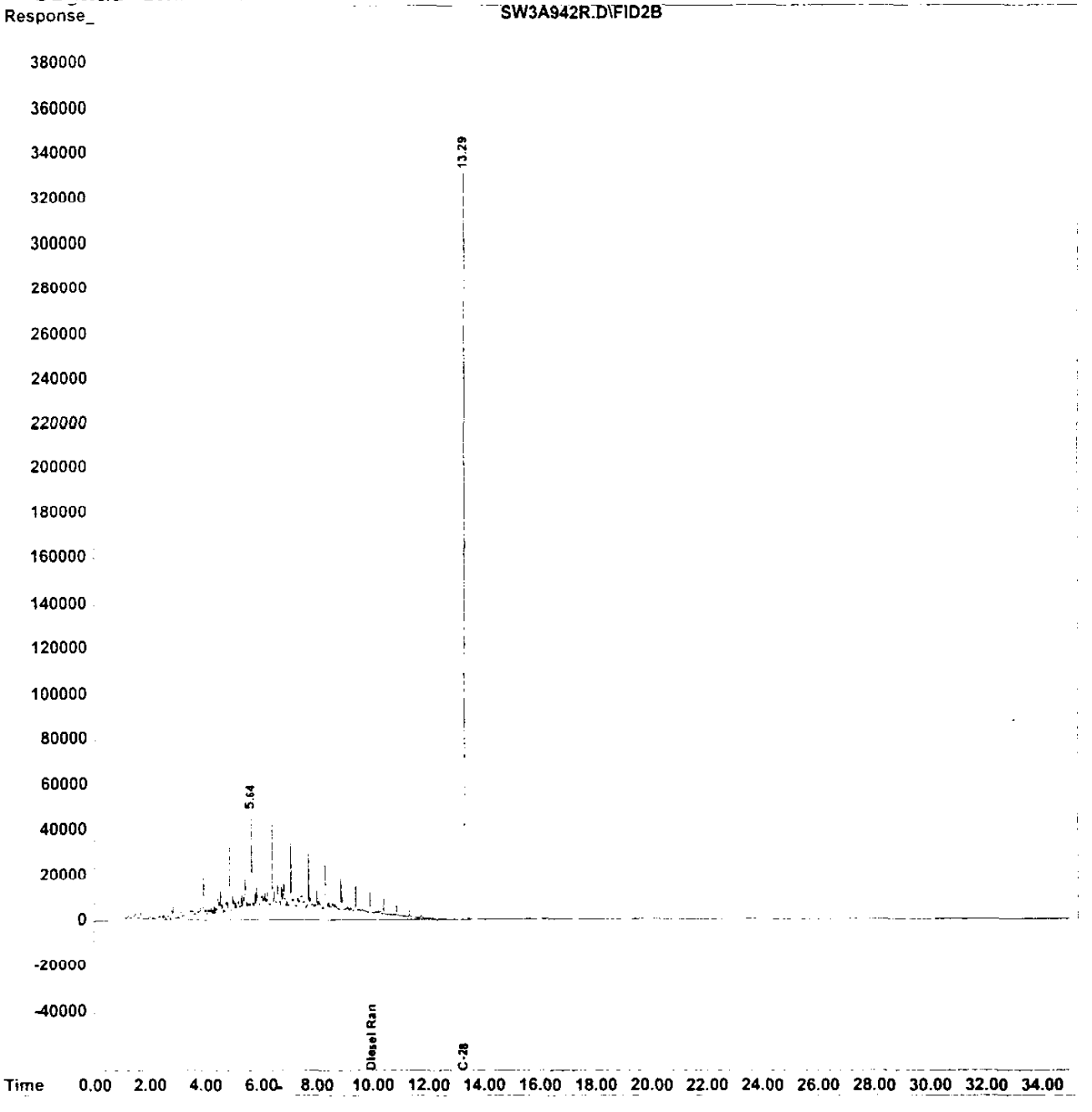
(#) = Out of Range SPCC's out = 0 CCC's out = 0

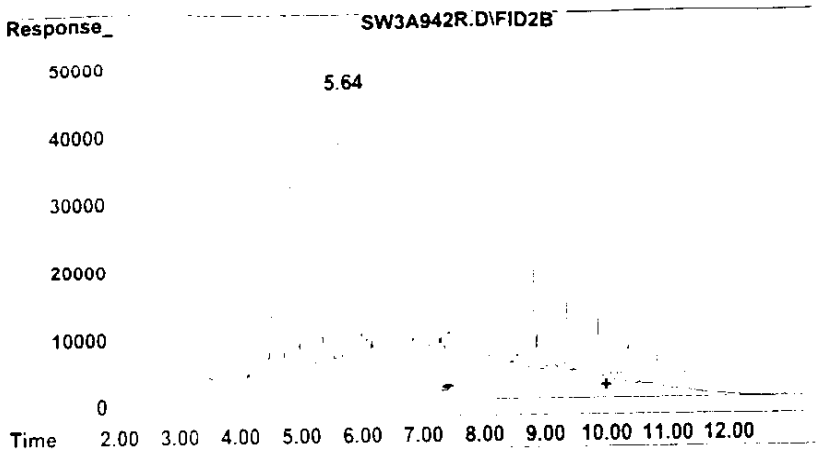
Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A942R.D Vial: 1
Acq On : 8 Dec 1999 16:56 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:13 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31953584
Conc: 503.65 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A942R.D Vial: 1
Acq On : 8 Dec 1999 16:56 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:13 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6219118	94.609 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	31953584	503.652 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int
SW3A942R.D W1130DR.M Thu Dec 09 09:31:29 1999 BUDDY Page 1

030085

Evaluate Continuing Calibration Report

Data File : O:\ORG\SVOA\FID\SW3\08DEC99\SW3A954R.D Vial: 13
Acq On : 9 Dec 1999 1:08 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e

Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	H	Diesel Range Organics	500.000	504.218	-0.8	0	0.00
2	S	C-28	100.000	96.546	3.5	0	0.00

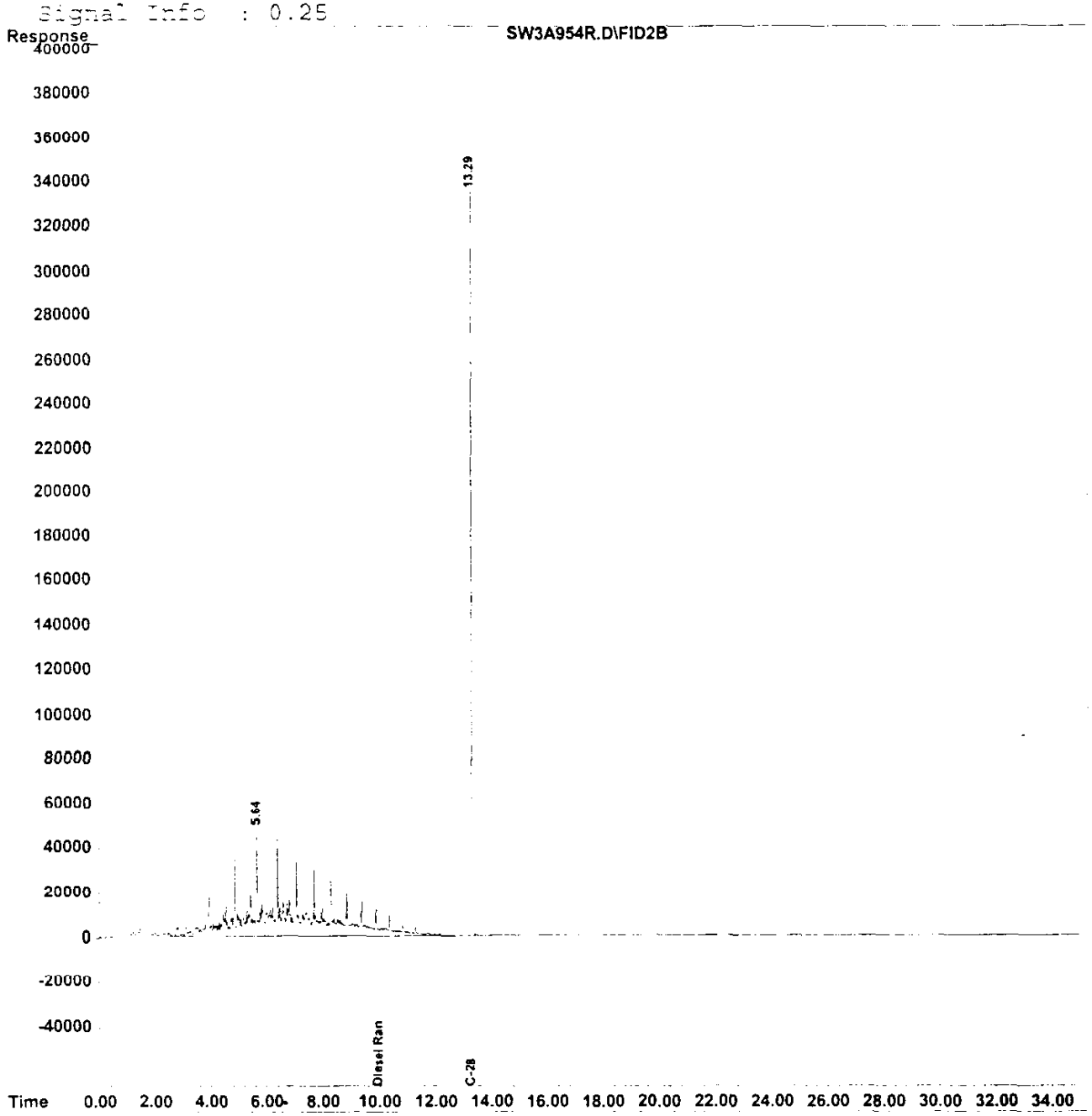
(#) = Out of Range SPCC's out = 0 CCC's out = 0

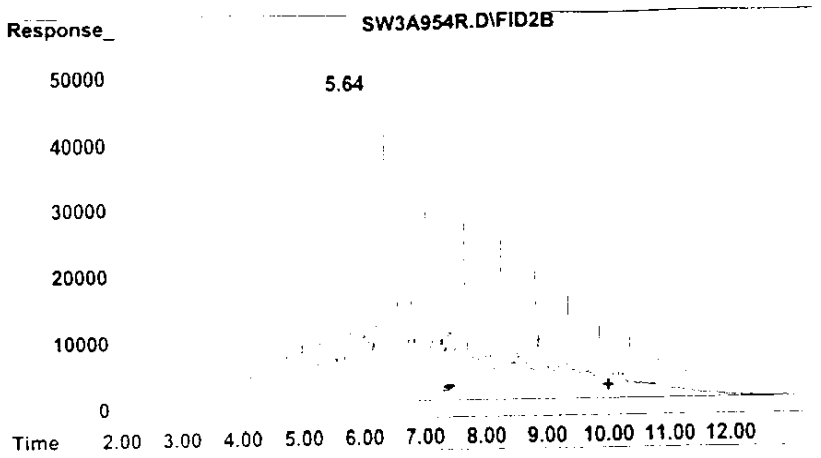
Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A954R.D Vial: 13
Acq On : 9 Dec 1999 1:08 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:17 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31989476
Conc: 504.22 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A954R.D Vial: 13
Acq On : 9 Dec 1999 1:08 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:17 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6346503	96.546 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	31989476	504.218 ug/mL

(f)=RT Delta > 1/2 Window (m)-manual int.
SW3A954R.D W1130DR.M Thu Dec 09 09:31:35 1999 BUDDY Page 1

030089

Evaluate Continuing Calibration Report

Data File : O:\ORG\SVOA\FID\SW3\08DEC99\SW3A965R.D Vial: 24
Acq On : 9 Dec 1999 8:39 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e

Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	H	Diesel Range Organics	500.000	539.140	-7.8	0	0.00
2	S	C-28	100.000	101.259	-1.3	0	0.00

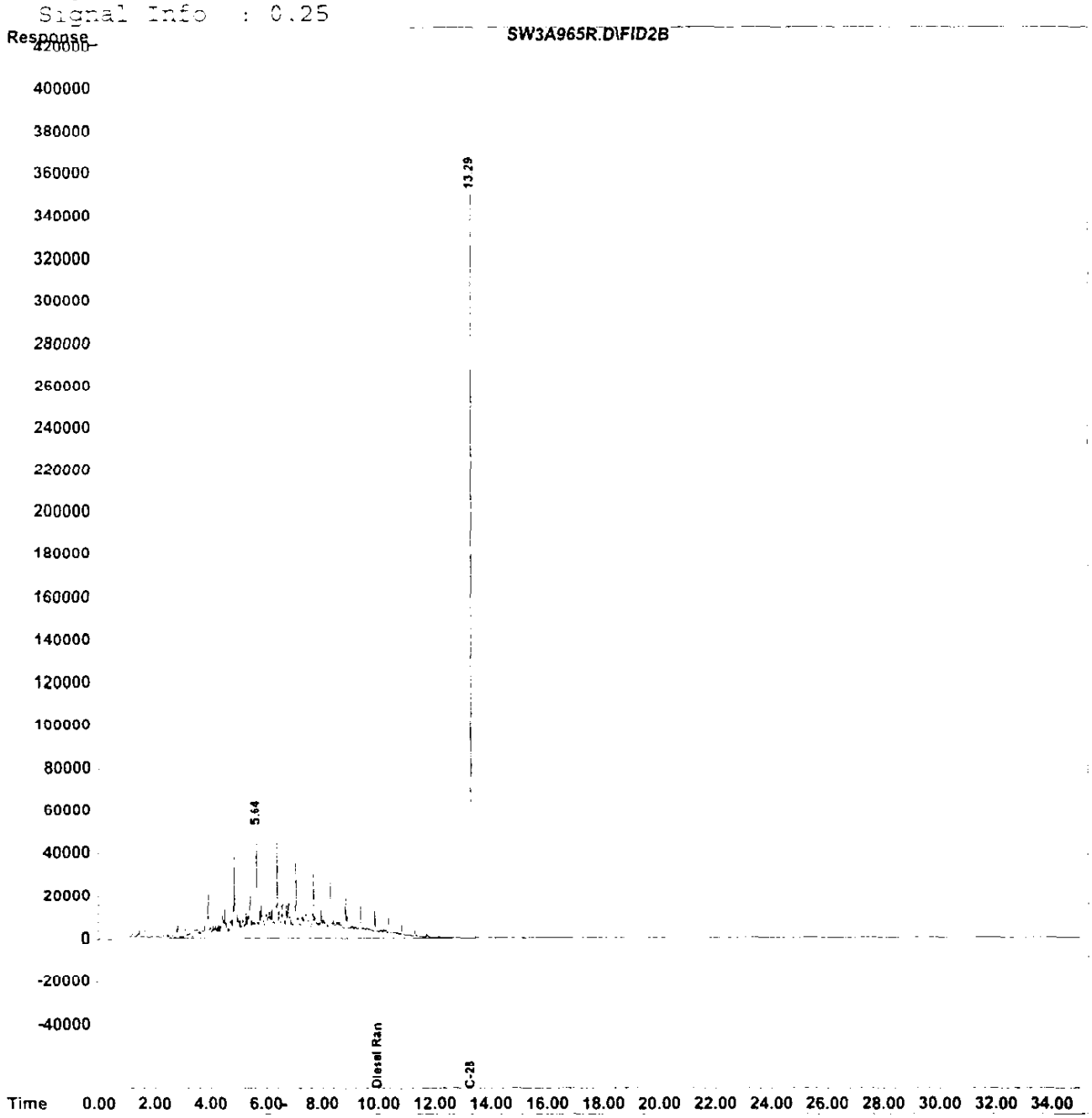
(#) = Out of Range SPCC's out = 0 CCC's out = 0

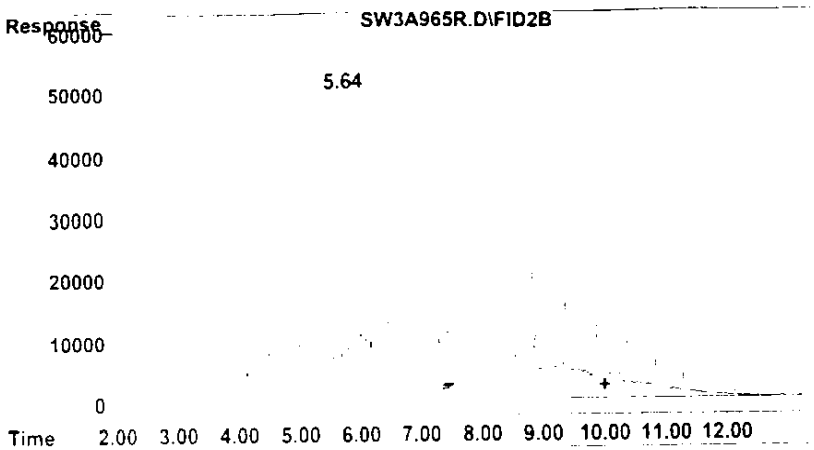
Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A965R.D Vial: 24
Acq On : 9 Dec 1999 8:39 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 34205093
Conc: 539.14 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A965R.D Vial: 24
Acq On : 9 Dec 1999 8:39 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:20 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6656299	101.259 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	34205093	539.140 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.

Evaluate Continuing Calibration Report

Data File : O:\ORG\SVOA\FID\SW3\08DEC99\SW3A968R.D Vial: 27
Acq On : 9 Dec 1999 10:49 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e

Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	H	Diesel Range Organics	500.000	499.384	0.1	0	0.00
2	S	C-28	100.000	92.254	7.7	0	0.00

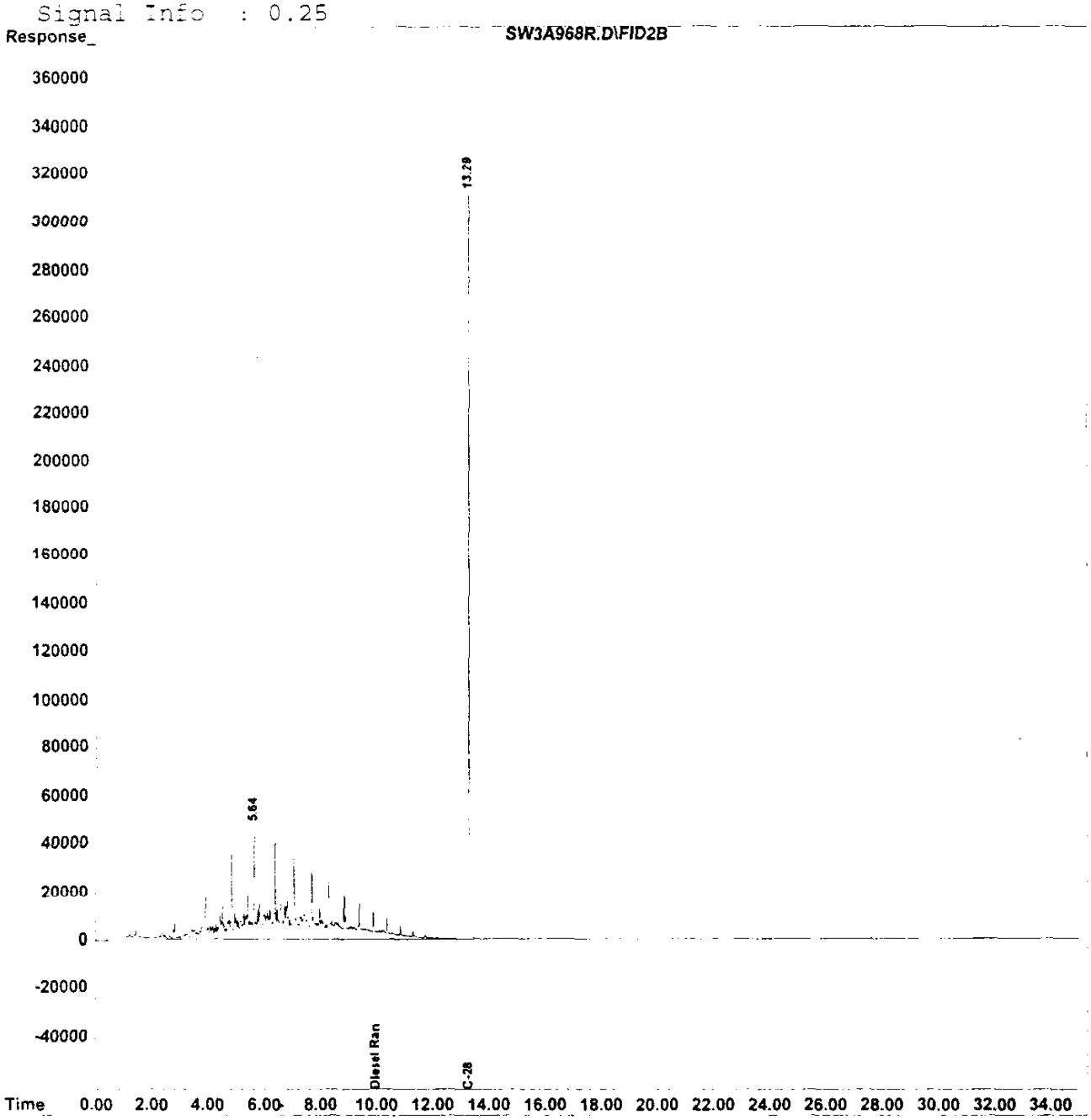
(#) = Out of Range SPCC's out = 0 CCC's out = 0

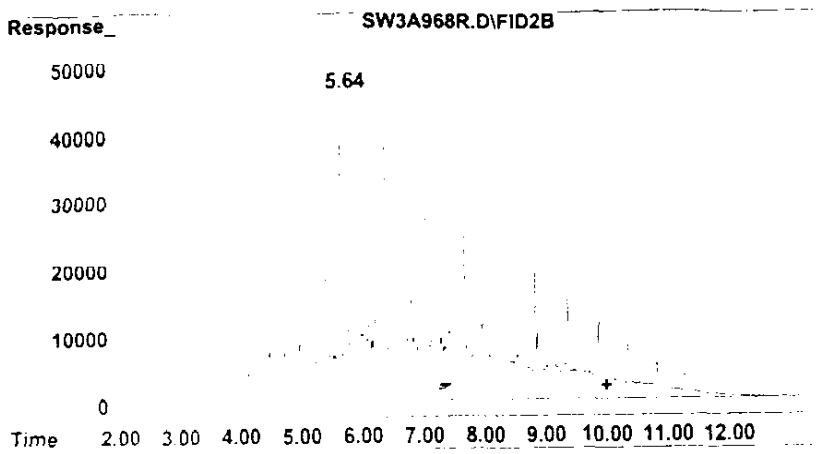
Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A968R.D Vial: 27
Acq On : 9 Dec 1999 10:49 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 11:25 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31682832
Conc: 499.38 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A968R.D Vial: 27
Acq On : 9 Dec 1999 10:49 Operator: JAA/KLH
Sample : S-9602 CCV Inst : SW3
Misc : DIESEL (500 ug/mL) Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 11:25 1999 Quant Results File: W1130DR.RES

Quant Method : O:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:01:57 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6064350	92.254 ug/mL
Target Compounds			
1) H Diesel Range Organics	10.00	31682832	499.384 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.

D. Raw QC Data

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB912081

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: TB912081

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A943R.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

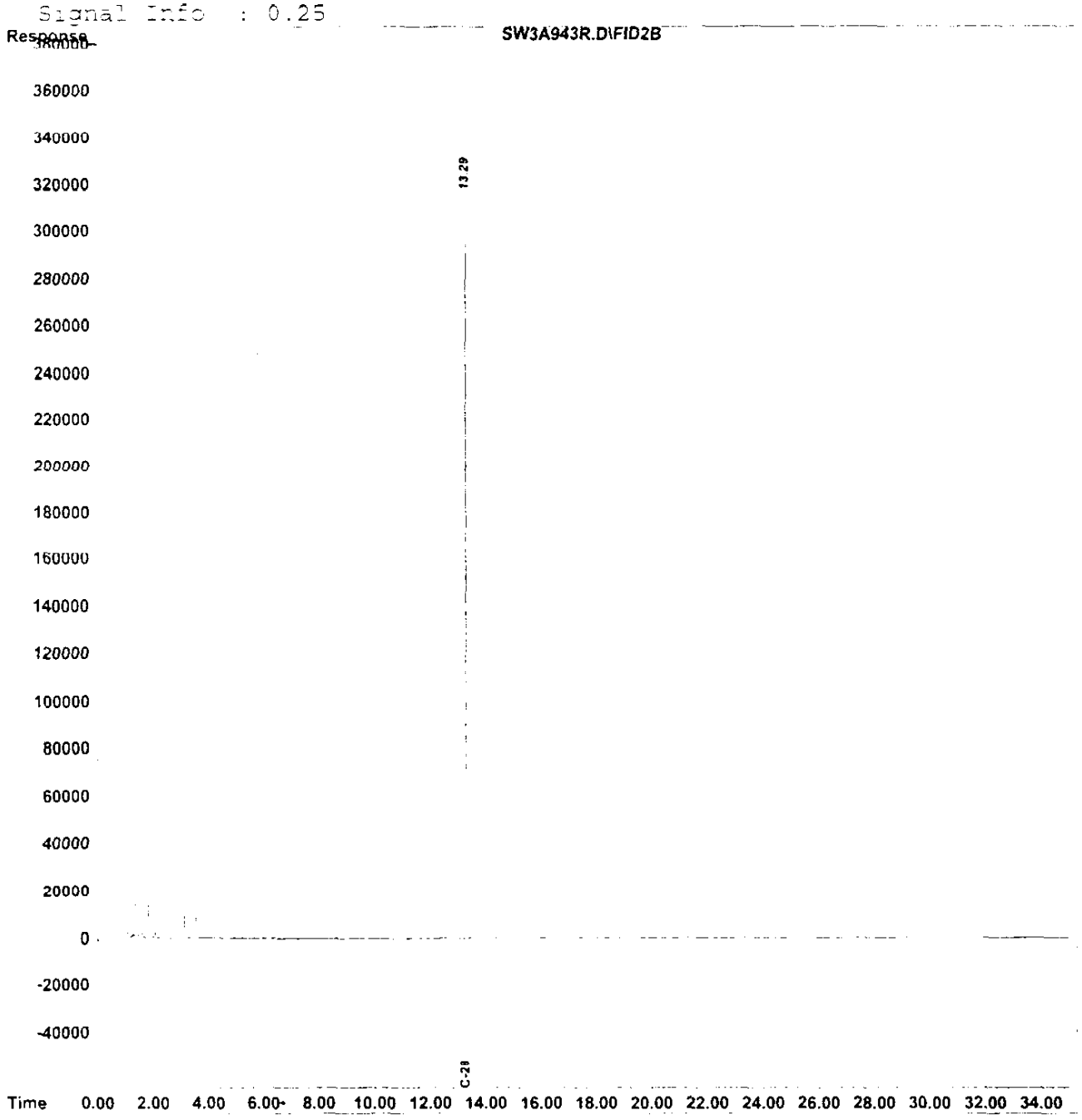
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	5000	U

Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A943R.D Vial: 2
Acq On : 8 Dec 1999 17:37 Operator: JAA/KLH
Sample : TB912081 Inst : SW3
Misc : TB912081 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:13 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A943R.D Vial: 2
Acq On : 8 Dec 1999 17:37 Operator: JAA/KLH
Sample : TB912081 Inst : SW3
Misc : TB912081 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:13 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5981355	90.992 ug/mLm
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TL912021

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: TL912081

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A944R.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

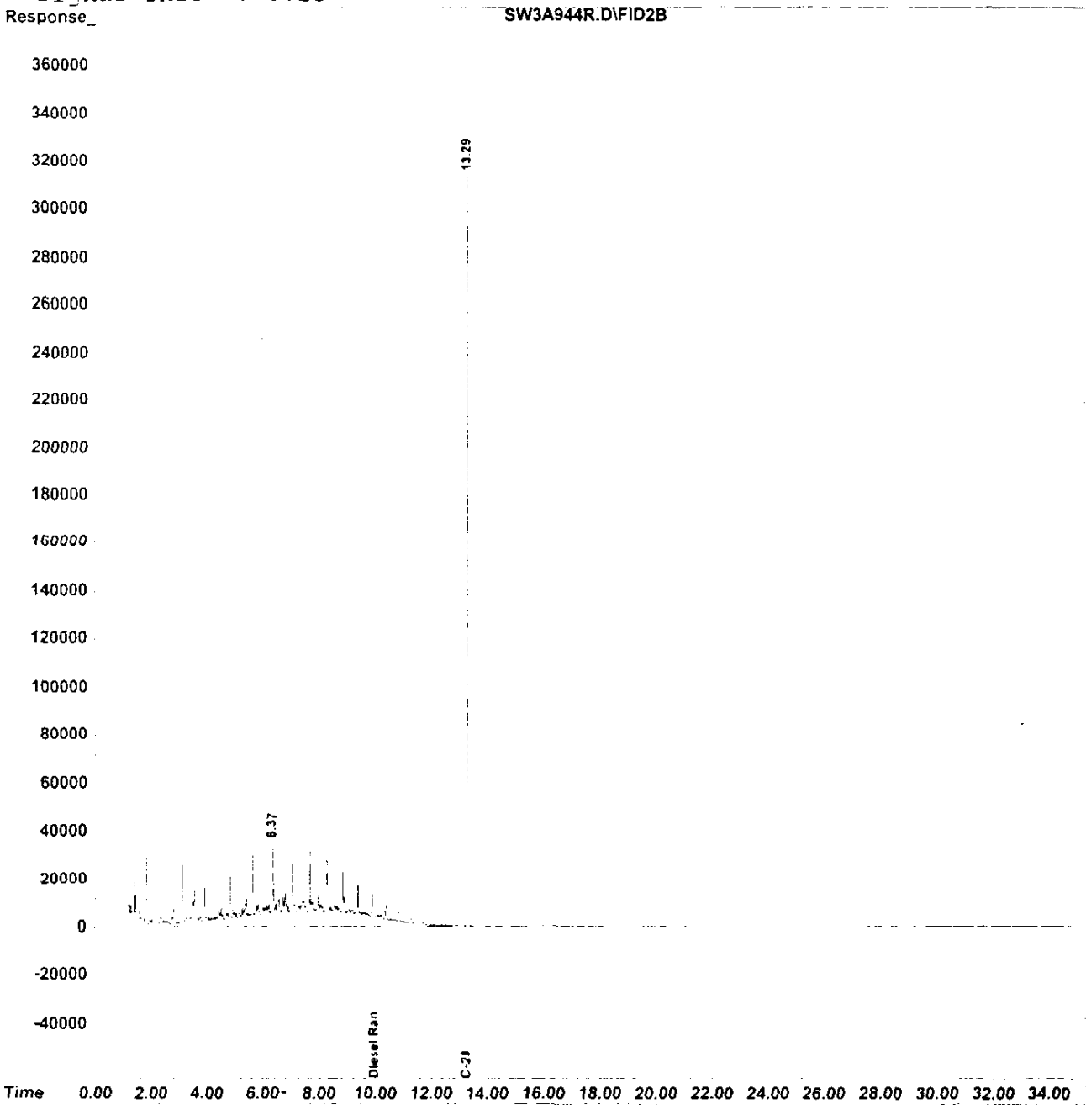
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	25000	

Quantitation Report

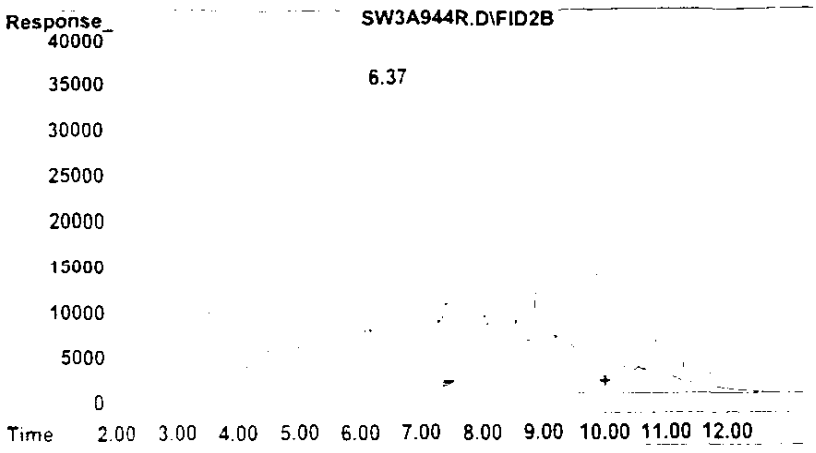
Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A944R.D Vial: 3
Acq On : 8 Dec 1999 18:18 Operator: JAA/KLH
Sample : TL912081 Inst : SW3
Misc : TL912021 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:14 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



030103



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 31923725
Conc: 503.18 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A944R.D Vial: 3
Acq On : 8 Dec 1999 18:18 Operator: JAA/KLH
Sample : TL912081 Inst : SW3
Misc : TL912021 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:14 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5941846	90.391 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	31923725	503.181 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int
SW3A944R.D W1130DR.M Thu Dec 09 09:26:58 1999 BUDDY Page 1

030105

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW1 MS

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913266 MS

Sample wt/vol: 20 (g/ml) G Lab File ID: SW3A952R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture: 14 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

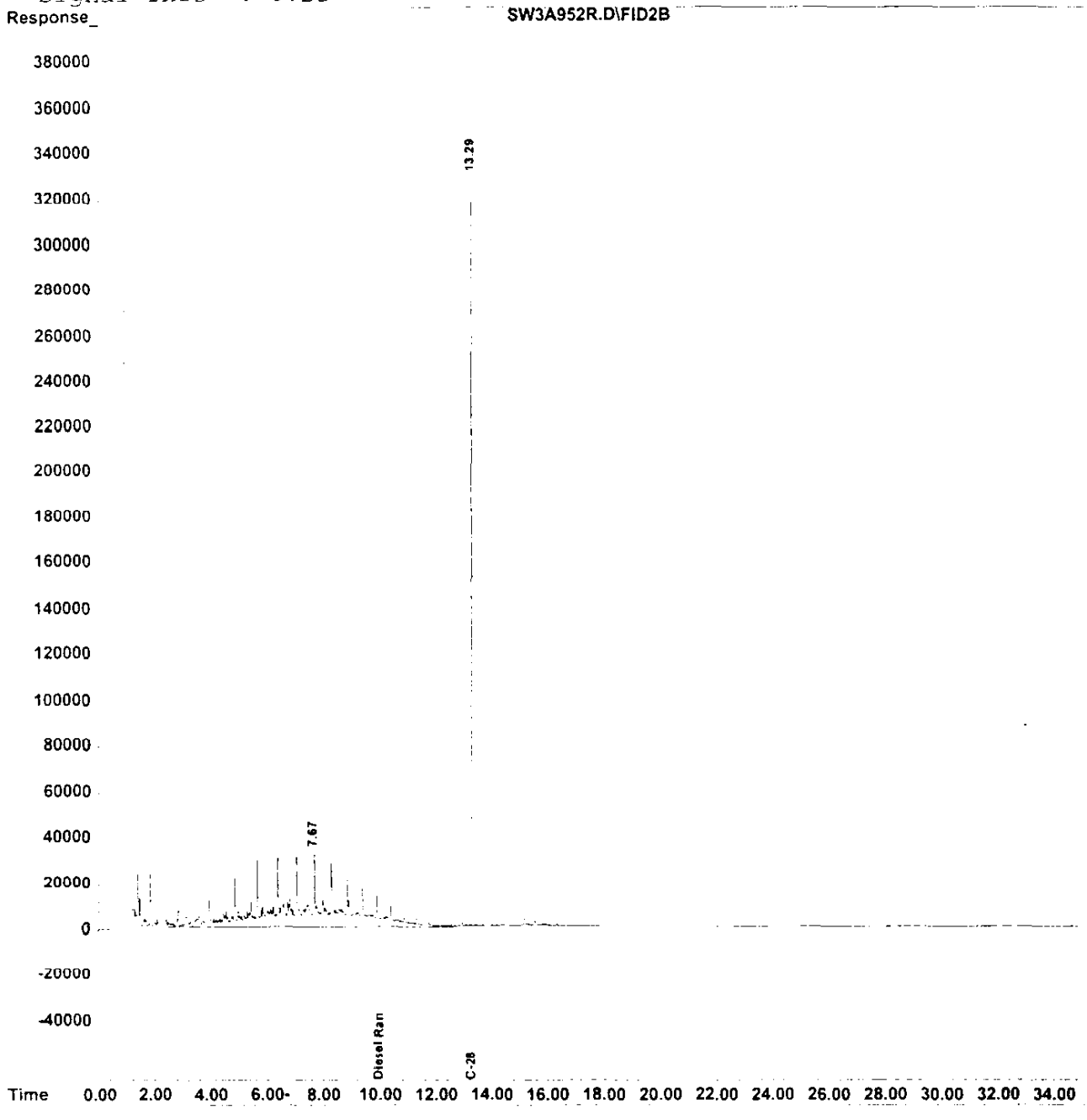
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	26000	

Quantitation Report

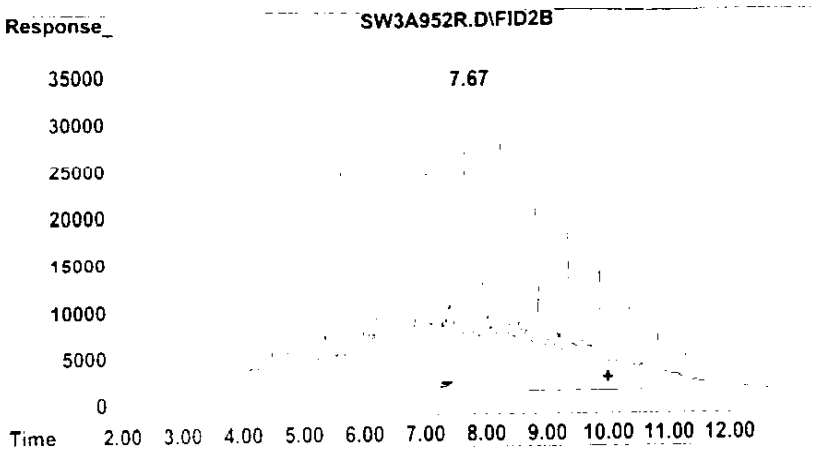
Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A952R.D Vial: 11
Acq On : 8 Dec 1999 23:46 Operator: JAA/KLH
Sample : 9913266 MS Inst : SW3
Misc : 683-SEW1 MS Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:16 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25



030107



#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 27868365
Conc: 439.26 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A952R.D Vial: 11
Acq On : 8 Dec 1999 23:46 Operator: JAA/KLH
Sample : 9913266 MS Inst : SW3
Misc : 683-SEW1 MS Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:16 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	6167367	93.821 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	27868365	439.261 ug/mL

(f)=RT Delta > 1/2 Window (m)=manual int.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW1 MSD

Lab Name: STL BALTIMORE Contract: IT CORP

Lab Code: STLB Case No.: 991733 SAS No.: SDG No.: 9913260

Matrix: (soil/water) SOIL Lab Sample ID: 9913266 MSD

Sample wt/vol. 20.2 (g/ml) G Lab File ID: SW3A955R.D

Level: (low/med) LOW Date Received: 12/07/99

% Moisture 14 decanted:(Y/N) N Date Extracted: 12/08/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (ul) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

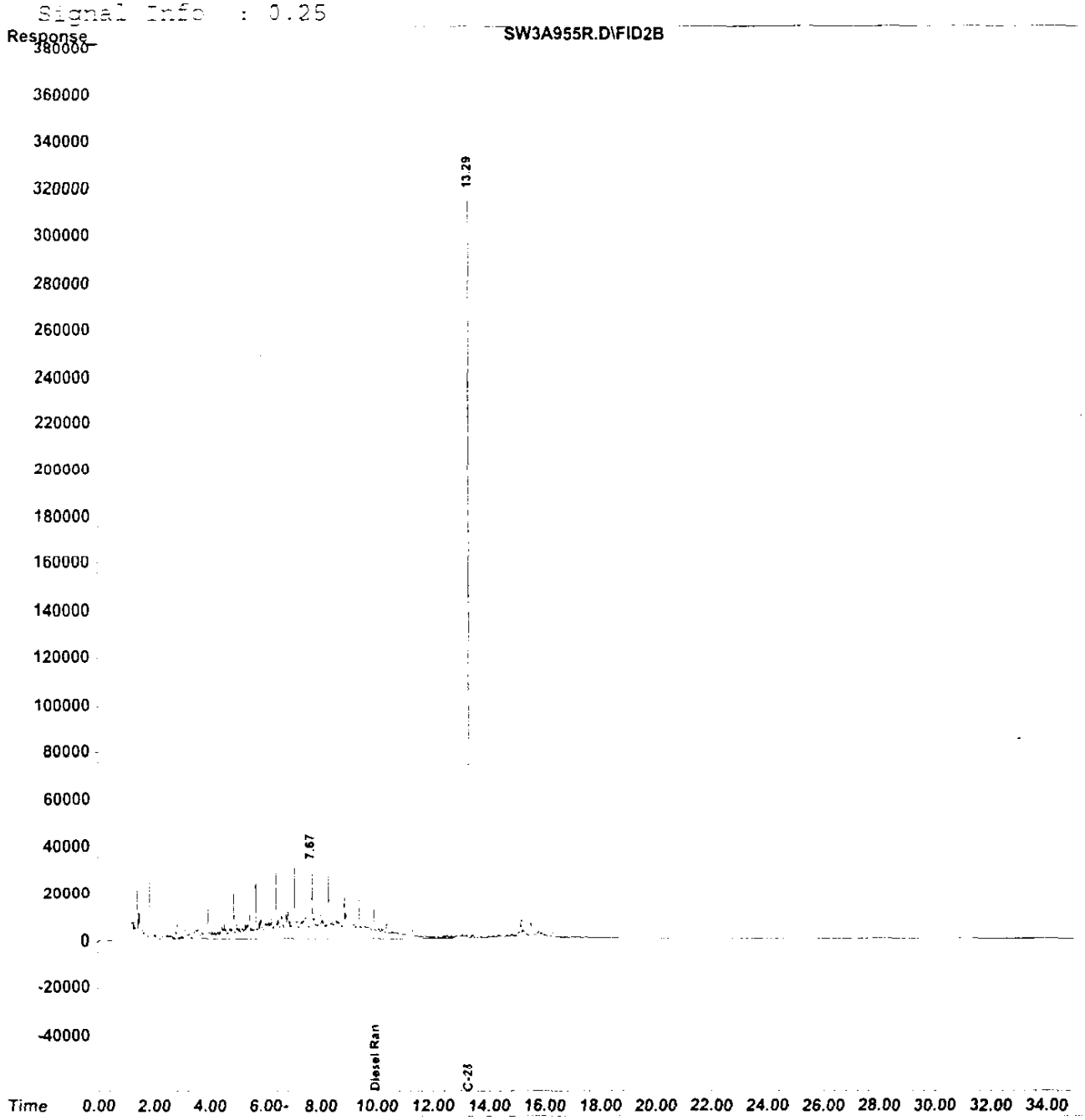
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
	DIESEL RANGE ORGANICS	25000	

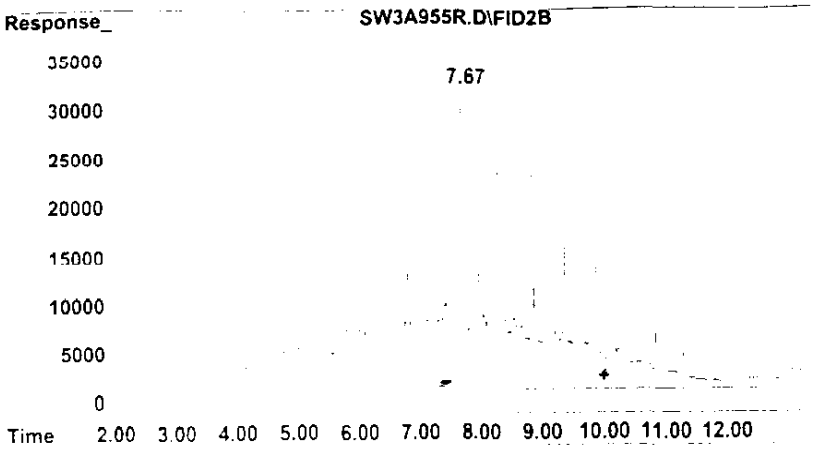
Quantitation Report

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A955R.D Vial: 14
Acq On : 9 Dec 1999 1:49 Operator: JAA/KLH
Sample : 9913266 MSD Inst : SW3
Misc : 683-SEW1 MSD Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:17 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Multiple Level Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25





#1 Diesel Range Organics

R.T.: 10.000 min
Delta R.T.: 0.000 min
Response: 27257085
Conc: 429.63 ug/mL m

Quantitation Report (QT Reviewed)

Data File : F:\ORG\SVOA\FID\SW3\08DEC99\SW3A955R.D Vial: 14
Acq On : 9 Dec 1999 1:49 Operator: JAA/KLH
Sample : 9913266 MSD Inst : SW3
Misc : 683-SEW1 MSD Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 9 9:17 1999 Quant Results File: W1130DR.RES

Quant Method : F:\ORG\SVOA\FID\METHODS\W1130DR.M (Chemstation Integrator)
Title :
Last Update : Wed Dec 01 09:02:24 1999
Response via : Initial Calibration
DataAcq Meth : TPH-DSLR.M

Volume Inj. : 1.0 uL
Signal Phase : RTX-5
Signal Info : 0.25

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S C-28	13.29	5990551	91.131 ug/mLm
Target Compounds			
1) H Diesel Range Organics	10.00	27257085	429.626 ug/mL

(f)=RT Delta > 1/2 Window (m)-manual int.
SW3A955R.D W1130DR.M Thu Dec 09 09:27:48 1999 BUDDY

E. Laboratory Logs

STL LABORATORIES EXTRACTION SHEET — GC/FID-TPH SOIL

STL REPORT # : 991733
REF #'S

CLIENT	IT CORP	EXTRACTION CHEMIST	MS		EXTRACTION METHOD# SW 3550 SW 8015 DRO
BATCH #	T912081	CONCENTRATION CHEMIST	DKL	WATER BATH TEMP 75-90 VERIFIED INIT. DKL	CLEANUP METHOD# N/A
SPIKED BY	MS	SURR SOLN. S-8455 (500 ug/mL)		EXT START DATE&TIME 12/8/99 1:00 PM	EXT/VIAL SOLVENT CH2CL2/CH2CL2
WITNESS	JH	TPH M.S SOLN S-8444 (500 ug/mL)		EXT END DATE & TIME 12/8/99 2:00 PM	SOLVENT LOT # E00049
EAL SOP #	EAL-M-3550B-1			FINAL CONC DATE 12/8/99	

STL NUMBER	CLIENT ID	FRACTION	MATRIX	INITIAL AMOUNT (20g)	SURR VOLUME	MS VOLUME	CLEAN UPS N/A	CLEAN UPS N/A	METHOD FINAL VOL	GPC FINAL VOL (if applicable)	COMMENTS
TB912081	TB912081	TPH DRO	Soil	20.0	0.2 mL	MS			1.0 mL	NA	
TL912081	TL912081	TPH DRO	Soil	20.0	0.2 mL	1.0mL					
9913260	683-F-F5	TPH DRO	Soil	20.0	0.2 mL	MS					
9913261	683-F-E5	TPH DRO	Soil	20.0	0.2 mL						
9913262	683-F-F6A	TPH DRO	Soil	20.0	0.2 mL						
9913263	683-F-G6	TPH DRO	Soil	20.0	0.2 mL						
9913264	683-F-E7	TPH DRO	Soil	20.0	0.2 mL						
9913265	683-F-G7	TPH DRO	Soil	20.0	0.2 mL						
9913266	683-SEW1	TPH DRO	Soil	20.0	0.2 mL						
9913266MS	683-SEW1	TPH DRO	Soil	20.0	0.2 mL	1.0mL					
9913266MSD	683-SEW1	TPH DRO	Soil	20.0	0.2 mL	1.0mL					
9913267	683-SEW2	TPH DRO	Soil	20.0	0.2 mL	MS					
9913268	683-SWW1A	TPH DRO	Soil	20.0	0.2 mL						
9913269	683-NWW2	TPH DRO	Soil	20.0	0.2 mL						
9913270	683-NEW2	TPH DRO	Soil	20.0	0.2 mL						
9913271	683-G4W	TPH DRO	Soil	20.0	0.2 mL						
9913272	683-H5W	TPH DRO	Soil	20.0	0.2 mL						
9913273	683-F-G4	TPH DRO	Soil	20.0	0.2 mL						
9913274	683-F-G5B	TPH DRO	Soil	20.0	0.2 mL						

Additional Comments:

Were extraction holding times met? X
Were the proper spikes used? X
Is the final volume correct? X
Was an MS/MSD extracted with this batch? X
If not, was an LCS duplicate extracted? NA

FIDS11 | 2,3

Were TCLP/DI WET extraction holding times met? NA
Was a TMS extracted for each client? NA
Was the extraction sheet reviewed for ID's/errors? X
Have all associated memos/E-mail/NCRs been included? X

TOTAL SAMPLE 19 CHECKED: 12/11/99 RECEIVED: 12/15/99

Injection Log

Directory: o:\org\svoa\fid\sw3\30nov99

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	sw3a900r.d	1.	S-9114 RTM	C10-C28EVEN	30 Nov 99 16:38
2	2	sw3a901r.d	1.	S-9370 LL	DIESEL (50 ug/mL)	30 Nov 99 17:19
	3	sw3a902r.d	1.	S-9369 ML	DIESEL (200 ug/mL)	30 Nov 99 18:00
4	4	sw3a903r.d	1.	S-9452 MM	DIESEL (500 ug/mL)	30 Nov 99 18:41
5	5	sw3a904r.d	1.	S-9367 MH	DIESEL (1000 ug/mL)	30 Nov 99 19:22
6	6	sw3a905r.d	1.	S-9366 HH	DIESEL (2000 ug/mL)	30 Nov 99 20:03
7	7	sw3a906r.d	1.	S-9551 ICV	DIESEL (500 ug/mL)	30 Nov 99 20:44
8	8	sw3a907r.d	1.	TB911241	TB911241	30 Nov 99 21:25
9	9	sw3a908r.d	1.	TD911241	TD911241	30 Nov 99 22:06
10	10	sw3a909r.d	1.	TL911241	TL911241	30 Nov 99 22:47
11	11	sw3a910r.d	1.	9912744	DIESEL (IA353)	30 Nov 99 23:28
12	12	sw3a911r.d	1.	9912750	DIESEL (50021)	1 Dec 99 00:09
13	13	sw3a912r.d	1.	SOLVENT	SOLVENT	1 Dec 99 00:50
14	14	sw3a913r.d	1.	TB911242	TB911242	1 Dec 99 01:31
15	15	sw3a914r.d	1.	TD911242	TD911242	1 Dec 99 02:12
16	16	sw3a915r.d	1.	TL911242	TL911242	1 Dec 99 02:53
17	17	sw3a916r.d	1.	9912745	DIESEL (IA353)	1 Dec 99 03:34
18	18	sw3a917r.d	1.	9912751	DIESEL (40016)	1 Dec 99 04:15
19	19	sw3a918r.d	1.	SOLVENT	SOLVENT	1 Dec 99 04:56
20	20	sw3a919r.d	1.	S-9452 CCV	DIESEL (500 ug/mL)	1 Dec 99 05:37

Injection Log

Directory: o:\org\svoa\fid\sw3\08dec99

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	sw3a942r.d	1.	S-9602 CCV	DIESEL (500 ug/mL)	8 Dec 99 16:56
	2	sw3a943r.d	1.	TB912081	TB912081	8 Dec 99 17:37
3	3	sw3a944r.d	1.	TL912081	TL912021	8 Dec 99 18:18
4	4	sw3a945r.d	1.	9913260	683-F-F5	8 Dec 99 18:59
5	5	sw3a946r.d	1.	9913261	683-F-E5	8 Dec 99 19:40
6	6	sw3a947r.d	1.	9913262	683-F-F6A	8 Dec 99 20:21
7	7	sw3a948r.d	1.	9913263	683-F-G6	8 Dec 99 21:02
8	8	sw3a949r.d	1.	9913264	683-F-E7	8 Dec 99 21:43
9	9	sw3a950r.d	1.	9913265	683-F-G7	8 Dec 99 22:24
10	10	sw3a951r.d	1.	9913266	683-SEW1	8 Dec 99 23:05
11	11	sw3a952r.d	1.	9913266 MS	683-SEW1 MS	8 Dec 99 23:46
12	12	sw3a953r.d	1.	SOLVENT	SOLVENT	9 Dec 99 00:27
13	13	sw3a954r.d	1.	S-9602 CCV	DIESEL (500 ug/mL)	9 Dec 99 01:08
14	14	sw3a955r.d	1.	9913266 MSD	683-SEW1 MSD	9 Dec 99 01:49
15	15	sw3a956r.d	1.	9913267	683-SEW2	9 Dec 99 02:30
16	16	sw3a957r.d	1.	9913268	683-SWW1A	9 Dec 99 03:11
17	17	sw3a958r.d	1.	9913269	683-NWW2	9 Dec 99 03:52
18	18	sw3a959r.d	1.	9913270	683-NEW2	9 Dec 99 04:33
19	19	sw3a960r.d	1.	9913271	683-G4W	9 Dec 99 05:14
20	20	sw3a961r.d	1.	9913272	683-H5W	9 Dec 99 05:55
21	21	sw3a962r.d	1.	9913273	683-F-G4	9 Dec 99 06:36
22	22	sw3a963r.d	1.	9913274	683-F-G5B	9 Dec 99 07:17
23	23	sw3a964r.d	1.	SOLVENT	SOLVENT	9 Dec 99 07:58
24	24	sw3a965r.d	1.	S-9602 CCV	DIESEL (500 ug/mL)	9 Dec 99 08:39
25	25	sw3a966r.d	1.	9913271DL 5X	683-G4WDL	9 Dec 99 09:27
26	26	sw3a967r.d	1.	SOLVENT	SOLVENT	9 Dec 99 10:08
27	27	sw3a968r.d	1.	S-9602 CCV	DIESEL (500 ug/mL)	9 Dec 99 10:49

030117

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9590	Pest Surrogate	S-9561	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone UN1090	07/02/99	07/06/00		IP
S-9591	2,4'-DDT	Restek A012353	1000 ug/ml	—	—	—	MeOH	[illegible] 12-7-99	11-01		JH
S-9592	2,4-DDD	Restek A010764	1000 ug/ml	—	—	—	MeOH		9-00		IP
S-9593	2,4 DDE	Restek A010765	1000 ug/ml	—	—	—	MeOH		9/00		IP
S-9594	Endosulfan I	Restek A014057	1000 ug/ml	—	—	—	MeOH		7/00		IP
S-9595	Dacthal	Restek A014924	1000 ug/ml	—		—	MeOH		10/01		IP
S-9596	trans-Nonachlor	Restek A011643	1000 ug/ml	—	—	—	MeOH		03/01		IP
S-9597	Pest MSADD (substock) comp	S-9591		1 ml	10 ml	100 ug/ml	MeOH UN1320	12/7/99	6/7/00		IP
		S-9592									
		S-9593									
		S-9594									
		S-9595									
		S-9596									
		S-9598									
S-9598	Endosulfan Sulfate	Restek A012844	1000 ug/ml	—	—	—	MeOH	12/7/99	12/00		IP
S-9599	Mirex (substock)	S-9229	1000 ug/ml	100 ul	10 ml	10 ug/ml	MeOH UN1230	12/7/99	6/7/00		IP
S-9600	Pest MDL ADD	S-9597	100 ug/ml	25 ul	25 ml	0.1 ug/ml	MeOH UN1230	12/7/99	6/7/00		IP
		S-9599	10 ug/ml	250 ul	25 ml	0.1 ug/ml	MeOH UN1230	12/7/99	6/7/00		IP
		S-9438	100 ug/ml	25 ul							
S-9601	A-mix pest A Mix ICV	S-9179 ~~S-9400~~	8.80 ug/ml	500 ul	100 ml	0.04-0.4 ug/ml	Fisher MEX-H3034	12/08/99	6/08/2000		TS
S-9602	Diesel Mm	S-9366	2000 ug/ml 400	6.25 mL	25 mL	500 ug/ml 100	MeCl2 / BV602	120899	012400		[illegible]

EA Laboratories **SEMI-Volatiles Lab Standards Logbook** **Book # : 10**

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9550	C-18	Supelco 85H0085	99%	.05g	25mL	2000ug/mL	MeCl2/BU602	110499	050500		[illegible]
S-9551	Diesel ICV	Ultra P-0692 ECO 611	500ug/mL	2.5mL	25mL	500ug/mL	MeCl2/BU602	↓	↓		↓
	C-18	S-9550	2000ug/mL	1.25mL	↓	100ug/mL	↓	↓	↓		↓
S-9552	C-14 Stock	Chemservice 219-87A	98%	.0025g	25mL	100ug/mL	MeCl2/BU602	110499	050499		[illegible]
S-9553	Pesticide Surr.	S-9413	200ug/mL	0.3mL	100mL	0 ug/mL	MeCl2/[illegible]	11-9-99	5-1-00		JH
S-9554	2-Nitroaniline GC-Explosive Surr.	T-2023	5110 µg/mL	78 µL	10mL	40 µg/mL	Acetonitrile BU BP973	11/9/99	10/4/00		WEM
S-9555	Alt 2a-4,6-DNT	S-9263	1000 µg/mL	2 µL	10mL	0.2 µg/mL	↓	11/10/99	5/5/2000		WEM
↓	4a-2,6-DNT	S-9264 ~~S-9262~~	[illegible]	2 µL	↓	0.2 µg/mL	↓	↓	↓		↓
	RDX	S-9265	↓	10 µL	↓	1.0 µg/mL	↓	↓	↓		↓
	HMX	S-9266	↓	75 µL	↓	7.5 µg/mL	↓	↓	↓		↓
↓	Tetryl	S-9264	↓	50 µL	↓	5.0 µg/mL	↓	↓	↓		↓

030119

. Laboratories **SEMI-Volatiles Lab Standards Logbook** DRO Book # : 16

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	I
S-9440	PEST B3 ICV STOCK	Restek A013604	8-16 ug/ml	—	—	—	HEX ~~994021~~ final 2-14-99	9-10-99	7-03		R
S-9441	PEST B3 ICV	S-9440	8-16 ug/ml	500 ul	100 ml	0.04-0.08 mg/ml	HEX 994022	9-10-99	3-10-00		R
S-9442	Diesel Stock	S-8779	Neat	~~1.25~~ 1.5 g 9/24/99	~~25~~ 10 mL	50,000 ug/ml	Toluene	09/11/99	03/11/99 ~~00~~ 9/24/99		J
S-9443	Diesel MS	S-9447	50,000 ug/ml	5 mL	100 mL	2500 ug/ml	50:50 Acetone/Hexane	↓	↓		↓
S-9444	Stoddard MS	↓	↓	1 mL	↓	500 ug/ml	↓	↓	↓		↓
S-9445	Ar 1221	Restek A002324	1000 PPM	—	—	—	—	9/13/99	2/2000		T
S-9446	Ar 1221	S-9445	↓	20 ul	100 ml	0.2 ug/ml	Fisher HEXANE/H1297-4	↓	3/2000		T
S-9447	TOXAPHENE	Restek A001212	1000 PPM	—	—	—	—	9/13/99	6/2000		↓
S-9448	TOXAPHENE	S-9447	↓	200 ul	100 ml	0.5 ug/ml	Fisher HEXANE/H1297-4	↓	3/2000		↓
S-9449	Triphenylphosphate	Chem Serv 227-43A	500 ug/ml	—	—	—	Ethylmethanol ether	opened 9-13-99	11-00		J.
S-9450	Tributylphosphate	Chem Serv 231-113A	2000 ug/ml	—	—	—	acetone	↓	2/01		↓
S-9451	8141 ~~MS~~ Surrogate 9/13/99	S8858	1000 ug/ml	0.50 ml ~~0.25 mL~~	50 mL ~~25 mL~~	10 ug/ml	MeOH UN1230	9-13-99	12-99		J
S-9452	Diesel MM	S-9316	2000 ug/ml	6.25 mL	25 mL	500 ug/ml	Methylene Chloride	09/14/99	012400		J
S-9453	Pesticide Surrogate	S-9413	200 ug/ml	0.6 mL	200 mL	0.6 ug/ml	Acetone BUS16	9-16-99	3-16-00		J
S-9454	OPPest 8141 Surr	S-9449	500 ug/ml	4.0 mL	100 mL	20 ug/ml	MeOH N10273	9-16-99	3-18-00		J
↓	↓	S-9450	2000 ug/ml	1.0 mL	↓	↓	↓	↓	↓		↓
S-9455	Chlordane Stock	Restek A013176	1000 ug/ml	—	—	—	hexane	9-21-99	6-03		J
S-9456	Chlordane MDL Spike	S-9455	↓	50 ul	50 mL	1.0 ug/ml	acetone BUS16	↓	3-21-00		J
S-9457	Pesticide Surrogate	S-9413	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	acetone BUS16	9-23-99	3-23-00		J.
S-9458	C_{28} Succ.	Sigma 83H0685	99%	250 mg	500 ml	500 ug/ml	80:20 Acetone/Methanol BU123/B4660	9/23/99	3/23/00		
S-9459	BZ-87	EM Science A020342	100 ug/ml	—	—	—	—	9/24/99	10/1/00		
S-9460	BZ-49	EM Science A020149	100 ug/ml	—	—	—	—	↓	10/1/00		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9440	PEST B3 ICV Stock	Restek A013604	8-16 ug/ml	—	—	—	HEX ~~994012~~ RMC 9-10-99	9-10-99	7-03		RMC
S-9441	PEST B3 ICV	S-9440	8-16 ug/ml	500 ul	100 mL	0.04-0.08 ug/ml	HEX 994072	9-10-99	3-10-00		RMC
S-9442	Diesel Stock	S-8779	Neat	~~1.25g~~ .5 JAA 091199	~~25mL~~ 10	50,000 ug/ml	Toluene	091199	031199 00 JAA 091499		JAA
S-9443	Diesel MS	S-9442	50,000 ug/ml	5mL	100mL	2500 ug/ml	80:20 Acetone	↓	↓		↓
S-9444	Stockton MS	↓	↓	1mL	↓	500 ug/ml	↓	↓	↓		↓
S-9445	Ar 1221	Restek A008324	1000PPM	—	—	—	—	9/13/99	2/2000		TJ
S-9446	Ar 1221	S-9445	↓	20ul	100ml	0.2ug/ml	Fisher HEXANE/H207-4	↓	3/2000		TJ
S-9447	TOXAPHENE	Restek A001212	1000PPM	—	—	—	—	9/13/99	6/2000		↓
S-9448	TOXAPHENE	S-9447	↓	200ul	100ml	0.5ug/ml	Fisher HEXANE/H307-4	↓	3/2000		↓
S-9449	Triphenylphosphate	Chem Serv 227-43A	500 ug/ml	—	—	—	t-butyl methyl ether	opened 9-13-99	11-00		J.H.
S-9450	Tributylphosphate	Chem Serv 231-113A	2000 ug/ml	—	—	—	acetone	↓	2/01		↓
S-9451	8141 ~~MS~~ Surrogate MS 9130	S8858	1000 ug/ml	0.50 ~~0.25mL~~ 091199	50mL ~~25mL~~ JH 9130	10 ug/ml	MeOH UN1230	9-13-99	12-99		JH
S-9452	Diesel MM	S-9366	2000/400 ug/ml	6.25mL	25mL	500/100 ug/ml	MeCl/BU602	091499	012400		JAA
S-9453	Pesticide Surrogate	S-9413	200 ug/ml	0.6mL	200mL	0.6 ug/ml	acetone BU516	9-16-99	3-16-00		JH
S-9454	OP Pest 8141 Surr	S-9449	500 ug/ml	4.0mL	100mL	20 ug/ml	MeOH N10273	9-18-99	3-18-00		JH
↓	↓	S-9450	2000 ug/ml	1.0mL	↓	↓	↓	↓	↓		↓
S-9455	Chlordane Stock	Restek A013176	1000 ug/ml	—	—	—	hexane	9-21-99	6-03		JH
S-9456	Chlordane MDL Spike	S-9455	↓	50ul	50mL	1.0 ug/ml	acetone BU516	↓	3-21-00		JH
S-9457	Pesticide Surrogate	S-9413	200 ug/ml	0.6ml	200mL	0.6 ug/ml	acetone BU516	9-23-99	3-23-00		JH
S-9458	C28 Surr.	Sigma 83H0685	99%	250mg	500ml	500 ug/ml	80:20 Acetone/Mecl2 BU123/BU660	9/23/99	3/23/00		[illegible]
S-9459	BZ-87	EM Science A7030342	100 ug/ml	—	—	—	—	9/24/99	10/1/00		[illegible]
S-9460	BZ-49	EM Science A9020149	100 ug/ml	—	—	—	—	↓	10/1/00		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9365	C28 Stock	Chemserve 154-63A	99%	.05g	25mL	2000ug/mL	MeCl2/N06293	072499	01249900	[illegible]	[illegible]
S-9366	Diesel HH	Ultra RGD-616	50,000ug/mL	2mL	50mL	2000ug/mL	MeCl2/N06293	072499	01249900		
	C28	S-9365	2000ug/mL	10mL	↓	400ug/mL					
S-9367	Diesel MH	S-9366	2000/400 ug/mL	5mL	10mL	1000/200 ug/mL					
S-9368	Diesel MM			6.25mL	25mL	500/100 ug/mL					
S-9369	Diesel ML			1mL	10mL	200/40 ug/mL					
S-9370	Diesel LL			.25mL	10mL	~~100~~ 50/10 ug/mL	[illegible] 072499				
S9371	Herbicide MS.	S-9061	1000ug/ml	800ul	50.0mL	16 ug/ml	MeOH DT7221	7-28-99	1-28-00		JA
		S-9062	100ug/ml			1.6 ug/ml					
		S-9174	10-10,000 ug/ml	80mL		1.6-1600 ug/ml					
S-9372	Pesticide Surrogate	S-9242	200ug/ml	0.6mL	200mL	0.6ug/ml	Acetone DT943	7-28-99	1-28-00		JA
S-9373	EDB/DBCP Con 1	S-9311	0.4ug/ml	3ul	35ml	34.3 ng/ul	WA/DI H2O	7-29-99	7/30/99		[illegible]
S-9374	2			5ul		57.1					
S-9375	3			10ul		114					
S-9376	4			15ul		171					
S-9377	5			25ul		286					
S-9378	Pest surrogate stock	Restek A0126YE	200ug/ml	—	—	—	acetone	8/2/99	12/01		[illegible]
S-9379	Pest Surr. mix	S-9378	200ug/ml	0.5ml	10ml	10ug/ml	HEX/BV082	8/2/99	8/2/00		[illegible]
S-9380	Mirex	Chemservice 223-67A	1000ug/ml	—	—	—	Methanol	8/2/99	09/00		
S-9381	Hexachlorobenzene	Chemservice 229-16B	100ug/ml	—	—	—	↓	↓	12/00		
S-9382	C Mix Con 5	S-~~9381~~	—	—	—	—	—	—	—		
↓	Hexachlorobenzene	S-9381	100ug/ml	160ul	100ml	0.16ug/ml	HEX/BV082	8/2/99	8/2/00		

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9322	8140 Std								10/31/99		
	8140 mix	S-9320	200 ug/ml	1.25 ml	10 ml	25 ug/ml	Hex / BV082	6/10/99	~~12/10/99~~	JG 6/10/99	JG
	Malathion	S-9321	1000 ug/ml	250 ul	↓	↓	↓	↓	↓		↓
	triphenylphosphate ga	~~S-9164~~ S-9323	500	↓	↓	↓	↓	↓	↓		↓
	tributylphosphate dd	~~S-9165~~ S-9083	2000	↓	↓	↓	↓	↓	↓		↓
S-9323	triphenylphosphate	Chemserv 209-30B	500 ug/ml	—	—	—	NA	↓	10/31/99		↓
S-9324	Aroclor 1016/1260 Con 3	S-8979	10000 ug/ml	40 ML	100 ml	0.4 ug/ml	HEXANE / BV082	6/11/99	10/20/99		TJ
↓	TCX / DCB	S-9181	10 ug/ml	200 ml	↓	0.02 ug/ml	↓	↓	↓		↓
S-9325	PCBAR 1221/1254 MDL spk	S-9090	1000 ug/ml	25 ml	50 ml	0.5 ug/ml	acetone BT943	6-12-99	12-12-99		JJ
↓	↓	S-8148	↓	↓	↓	↓	↓	↓	↓		↓
S-9326	PCB AR 1232 MDL spk	S-9042	↓	↓	↓	↓	↓	↓	↓		↓
S-9327	PCB AR 1242 MDL spk	S-8829	↓	↓	↓	↓	↓	↓	↓		↓
S-9328	PCB AR 1245 MDL spk	S-9045	↓	↓	↓	↓	↓	↓	↓		↓
S-9329	Pest CLP Surrogate	S-9242	200 ug/ml	200 ul	200 ml	0.2 ug/ml	↓	↓	↓		↓
S 9330	PCB MDL spk 1016/1260	S-9178	50 ug/ml	2.5 ml	25 ml	0.5 ug/ml	↓	6-14-99	12-14-99		JJ
S-9331	Diesel MS	S-8780	50,000 ug/ml	5 ml	100 ml	2500 ug/ml	80:20 Ace/MeCl2	061899	091899		[illegible]
S-9332	Stockton Diesel MS	↓	↓	1 ml	100 ml	500 ug/ml	↓	↓	↓		↓
S-9333	1016/1260 PCB Stock	Roter A012757	1000 ug/ml	5 ml	—	—	hexane	opened 6-18-99	12-01		J
S-9334	PCB MS	S-9333	1000 ug/ml	1.0 ml	200 ml	5.0 ug/ml	Acetone BT943	6-18-99	12-18-99		
S-9335	AFCEE Pest MS	S-~~190~~ 9190	25/50/125 ug/ml	2.0 ml	200 ml	0.25/.5/1.25 ug/ml	MeOH BN746	6-19-99	12-19-99		
S-9336	Pest CLP Surr	S-9242	200 ug/ml	200 ul	200 ml	0.2 ug/ml	Acetone BT943	↓	↓		
S-9337	Pest Surr	↓	↓	0.6 ml	↓	0.6 ug/ml	↓	↓	↓		

Reviewed by: [signature] Date: 7/3/99

030123

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	In
S-9238	Methylated Herb Mix	Protocol lot: W980E11006			1ml	NA	Hex/BU141	5-17-99	11-17-99		
	2,4-D		100 ug/ml								
	2,4,5-TP		10								
	Dalapon		250								
	Dicamba		10								
	Dinoseb		50								
	2,4-DB		100								
	2,4,5-T		10								
	Dichloroprop		100								
	MCPP		10,000								
	MCPA		↓		↓	↓	↓	↓	↓		
S-9239	DCAA	Protocol lot: R981095020	1000 ug/ml		↓	↓	NA	↓	↓		
S-9240	Resc Stock	Restek A007452	1-10 ug/ml	—	—	—	NA	5-18-99	7-31-99		
S-9241	Resc Working	S-9240	↓	1ml	100ml	0.01-0.1 ug/ml	Hex/BU141	↓	↓		
S-9242	Pest Surr. Stock	Restek H012642	200 ug/ml	5ml	—	—	acetone	5-19-99	12-01		
S-9243	Pesticide Surrogate	S-9242	↓	0.6ml	200ml	0.6 ug/ml	acetone BT943	5-20-99	11-20-99		
S-9244	PCB Congener Surr.	S-7789	200 ug/ml	100 ul	250ml	0.08 ug/ml	MeOH BU746	↓	↓		
S-9245	Gasoline Soln.	Ultra P-03056	50,000 ug/mL	4mL	4mL	50,000 ug/mL	MeCl2	—	03/03		
S-9246	Diesel #2	Ultra M-1431	50,000 ug/mL	4mL	4mL	50,000 ug/mL	MeCl2	—	11/02		
S-9247	TNRCC Gasoline	S-9245	↓	42mL	4mL	25,000 ug/mL	↓	05-20-99	11-20-99	05-20-99	
	Diesel	S-9246	↓	↓	↓	↓	↓	↓	↓		
S-9248	C28 Surrogate	Sigma 83140055	99%	250mg	500mL	500 ug/mL	80:20 BU:73; BU:69 ACE:MeCl2	05-22-99	11-22-99		

Date: _____

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9101	OP PEST Std										
	Malathion	S-8762	100 ug/ml	6.25 ml	25 ml	25 ug/ml	Hex/BT250	3/12/99	3/31/99		[illegible]
	OP Pest Mix	S-8763	200 ug/ml	3.125 ml	↓	↓	↓	↓	↓		↓
	Triphenylphosphate	S-8764	1000 ug/ml	625 ul	↓	↓	↓	↓	↓		↓
	Tributylphosphate	S-8765	↓	↓	↓	↓	↓	↓	↓		↓
S-9102	1-methyl naphthalene	Chemserve 172-97B	98%	.02 g	10 mL	2000 ug/mL	MeCl2/BT442	3/13/99	9/13/99		[illegible]
S-9103	2-Bromonaphthalene	Ultra J-2311	20,000 ug/mL	2.1 mL	1 mL	20,000 ug/mL	methanol	↓	↓		↓
S-9104	Polyaromatic Hydrocarbon	Restek A010811	1000 ug/mL	2.5 mL	2.5 mL	1000 ug/mL	MeCl2	↓	↓		↓
S-9105	S-9104 PAH HH	S-9104	1000 ug/mL	2.5 mL	25 mL	100 ug/mL	MeCl2/BT442	↓	↓		↓
	S-9103	S-9103	20,000 ug/mL	.125 mL	↓	↓	↓	↓	↓		↓
	S-9102	S-9102	2000 ug/mL	1.25 mL	↓	↓	↓	↓	↓		↓
S-9106	Aromatic Hydrocarbon	Ultra L-1579	1000 ug/mL	1 mL ~~.5 mL~~	~~25 mL~~ 1 mL	~~20 ug/mL~~ 1000 ug/mL	MeCl2	↓	↓		↓
S-9107	2-bromonaphthalene	Chemserve 212-74C	2000 ug/mL	5 mL	5 mL	2000 ug/mL	methanol	↓	01/00		↓
S-9108	PAH ICV	S-9106	1000 ug/mL	.5 mL	25 mL	20 ug/mL	MeCl2/BT442	↓	9/13/99		↓
	2-bromonaphthalene	S-9107	2000 ug/mL	.25 mL	↓	↓	↓	↓	↓		↓
	1-MN	S-9102	↓	↓	↓	↓	↓	↓	↓		↓
S-9109	PEST-MIX B	LA60651 SUPELCO	0.5-1.0 ug/ml	—	—	—		—	Dec 98		[illegible]
S-9110	MIX B-1	S-9109	↓	0.1 ml	10 ml	0.005-.08 ug/ml	BT250 HEXANE	3/16/99	↓		↓
S-9111	MIX B-2	↓	↓	0.4 ml	↓	0.02-0.24 ug/ml	↓	↓	↓		↓
S-9112	MIX B-5	↓	↓	1.6 ml	↓	0.08-0.16 ug/ml	↓	↓	↓		↓
S-9113	Diesel MM	S-8964	2000 ug/mL	6.25 mL	25 mL	500/100 ug/mL	MeCl2/BT442	03/16/99	07/09/99		[illegible]
S-9114	Di BTM	S-8636	10,000 ug/mL	1.25 mL	↓	500 ug/mL	↓	↓	9/12/99		↓

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Date: _____

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8967	Diesel ML	S-8964	2000/400 ug/mL	1.0mL	10.0mL	200/40 ug/mL	MeCl2: BT442	010999	070999		TD
S-8968	Diesel LL	S-8964	↓	0.25mL	10.0mL	50/10 ug/mL	↓	↓	↓		↓
S-8969	Diesel Standard	ultra L-0691	5000ug/mL	2.5mL	2.5mL	5000ug/mL	MeCl2	010999	06/99		TD
S-8970	Diesel ICV	S-8969	5000 ug/mL	2.5mL	25.0mL	500ug/mL	MeCl2 - BT442	010999	070999	102549	TD
	C28 -	S-8961	2000 ug/mL	1.25mL	25.0mL	100 ug/mL	MeCl2 - BT442	↓	↓	↓	TD
S-8971	Motor oil std	Restek A010155	50000 ug/mL	1mL	1mL	50000 ug/mL	MeCl2	010999	1/01		[illegible]
S-8972	M.O. HH	S-8971	↓	↓	25mL	2000 ug/mL	MeCl2/BT442	↓	010999		↓
	C26	S-8962	2000 ug/mL	5mL	↓	400 ↓	↓	↓	↓		↓
S-8973	M.O. MH	S-8972	↓ 2000/400 ug/mL	5mL	10mL	1000/200 ug/mL	MeCl2/BT442	010999	070999		[illegible]
S-8974	M.O. MM	↓	↓	6.25mL	25mL	500/100 ug/mL	↓	↓	↓		↓
S-8975	M.O. ML	↓	↓	1mL	10mL	200/40 ug/mL	↓	↓	↓		↓
S-8976	M.O. LL	↓	↓	.250mL	10mL	~~100~~ 50/10 ug/mL	[illegible] 010999 ↓	↓	↓	[illegible] 032099	↓
S-8977	M.O. ICV	S-8298	2000/400	6.25mL	25mL	500/100 ug/mL	MeCl2/BT442	010999	032598 ~~070999~~	6/17/99	[illegible]
S-8978	Aroclor 1254 Conc1	S-8148	1000 µg/mL	10 µL	100 mLs	0.1 µg/mL	Hexane/BQ537	1/12/99	7/12/99		WEM
↓	TCX/DCB (Pest Surr)	S-8623	10 µg/mL	200 µL	↓	0.02 µg/mL	↓ BKJ	↓	WEM 4/1/99 ↓		↓
S-8979	Aroclor 1016/1260	Restek Lot# A011442	1000 µg/mL	—	—	—	Hexane	1/13/99	6/1/01		WEM
S-8980	Aroclor 1016/1260 Conc1	S-8979	1000 µg/mL	10 µL	100 mLs	0.1 µg/mL	Hexane BKJ BQ537	1/13/99	4/12/99	Reverified 4/14/99 Exp 7/12/99	WEM
↓	Pest Surr	S-8623	10 µg/mL	50 µL	↓	0.005 µg/mL	↓	↓	↓	↓	↓
S-8981	Aroclor 1016/1260 Conc2	S-8979	1000 µg/mL	20 µL	100 mLs	0.2 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	100 µL	↓	0.01 µg/mL	↓	↓	↓	↓	↓
S-8982	Aroclor 1016/1260 Conc3	S-8979	1000 µg/mL	40 µL	↓	0.4 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	200 µL	↓	0.02 µg/mL	↓	↓	↓	↓	↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8949	TCX/DCB stock	Restek#32000 Lot: A011834	200ug/ml	1.0ml	1.0ml	200ug/ml	acetone	—	8/01		GG
S-8950	Pest CLP surr spk	S-8949	200ug/ml	0.5ml	500ml	0.2 ug/ml	Lot# BP874 acetone	12/25/98	6/26/99		GG
S-8951	Herb. surrogate	S-8868	2000ug/mL	1.0mL	100.0mL	20mg/mL	acetone BP874	12/30/98	6/30/99		DRH
S-8952	Client mineral oil	—	Neat	—	—	—	—	12/30/98	6/30/99		[illegible]
S-8953	Client min. oil STD	S-8952	Neat	1.25g	25mL	50,000ug/mL	Toluene 3R608	12/30/98	6/30/99		↓
S-8954	Client min. oil HH	S-8953	50,000ug/mL	1mL	25mL	2000ug/mL	MeCl2/BT442	↓	↓		↓
S-8955	CLP MS Stock CLP-MS91	Protocol Lot: W9805260	50ug/ml, 100ug/ml	—	—	—	MeOH (BT116)	1/5/99	7/5/99		JA
S-8956	Pest Surr. Stock	Protocol Lot W9808040	200 ug/ml	—	—	—	Hexane/Acetone	1/5/99	7/5/99		↓
S-8957	GPC Pest ✓ Sol.	S-8955	50ug/ml, 100ug/ml	1.0ml	500ml	0.1, 0.2 ug/ml	MeCl2	1/5/99	7/5/99		↓
		S-8956	200ug/ml	250ml	500ml	0.1 ~~0.2~~ ug/ml	MeCl2	1/5/99	7/5/99		↓
-8958	PCB 1260H	Protocol Lot [illegible]	1000 ug/ml	—	—	—	Hexane	1/5/99	7/5/99		↓
S-8959	PCB 1016H	Protocol Lot W9803900	1000 ug/ml	—	—	—	Hexane	1/5/99	7/5/99		↓
S-8960	GPC PCB ✓ Sol	S-8958	1000 ug/ml	0.1 ml	500 ml	0.2 ug/ml	MeCl2	1/5/99	7/5/99		↓
		S-8959	1000 ug/ml	0.1 ml	500ml	0.2 ug/ml	MeCl2	1/5/99	7/5/99		↓
		S-8956	200 ug/ml	625mL	500ml	0.25 ug/ml	MeCl2	1/5/99	7/5/99		↓
S-8961	C28 stock	Sigma 83H0685	99%	.05g	25mL	2000ug/mL	MeCl2/BT442	1/9/99	7/9/99		[illegible]
S-8962	C28 stock	Chem Serv 154-63A	99%	.05g	25mL	2000ug/mL	↓	↓	↓		↓
S-8	Diesel Standard	Ultra M-0493	50,000ug/mL	2.0mL	2.0mL	50,000ug/mL	MeCl2	010999	~~040299~~ 04-02	7/01/99	TD
	el HH TD 010999	S-8963 ~~S-8963~~	↓	↓	50.0mL	2000 ug/mL	MeCl2/BT442	↓	070999		TD
		S-8962	2000 ug/mL	10.0mL	↓	400 ug/mL	↓	↓	↓		↓
		S-8964	400/2000 ug/mL	5.0mL	10.0mL	1000/200 ug/mL	↓	↓	↓		↓
		S-8964	400/2000 ug/mL	6.25mL	25.0mL	500/100 ug/mL	↓	↓	↓		↓

Reviewed by: _____ Date: _____

030127

EA Laboratories **SEMI-Volatiles Lab Standards Logbook** DRO **Book # : 10**

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Initi
S-8835	Herb Mix	Ultra L-1870	10-10,000 µg/ml	–	–	–	MeOH	10/14/98	10/99		GDF
S-8836	C10-C28 Stock	Supelco Lot# LA73122	1000 µg/ml each	3mL	3mL	100 µg/ml each	Hexane	10/15/98	2/01		gA
S-8837	Marine MS	S-8836	↓	2.5mL	50mL	500 µg/ml	80:20 ACE:MeCl2 BP874:B52752	10/15/98	4/15/99		↓
S-8838	Diesel MS	S-8780	50,000 µg/ml	5mL	100mL	250 µg/ml	80:20 ACE:MeCl2 BP874:B52752	10/16/98	3/10/99		gA
S-8839	DCPA Solution	Ultra Scientific J-0528A	100 µg/ml	—	—	—	MeOH	10/16/98	8/2000		Sc
S-8840	Mirex "	Ultra Scientific M-1440	100 µg/ml	—	—	—	MeOH	10/16/98	11/2001		
S-8841	Chlorbenside	ChemServ 180-13CB	Neat	—	—	—			11/2002		
S-8842	Chlorbenside Stock	S-8841	↓	100 mg	25ml	4000 µg/ml	Hexane BP874		4/16/99		
S-8843	Chlorbenside Working	S-8842	4000 µg/ml	250 ul	10ml	100 µg/ml	Hexane BR030		4/16/99		
S-8844	C mix Con 1								2/6/99		
	Stock DCPA	S-8839	100 µg/ml	10ul	100ml	10 PG/ml					
	mirex	S-8840	↓	↓		↓					
	Chlorbenside	S-8843	↓	↓		↓					
	tox/deb	S-8672	10 µg/ml	50ul		5 PG/ml					
S-8845	C mix CON2 DCPA	S-8839	100 µg/ml	40ul		40 PG/ml					
	Stock mirex	S-8840	↓	↓		↓					
	Chlorbenside	S-8843	↓	↓		↓					
	tox/deb	S-8672	10 µg/ml	200ul		20 PG/ml					
S-8846	C Mix CON3 DCPA	S-8839	100 µg/ml	80ul		80 PG/ml					
	Stock mirex	S-8840	↓	↓		↓					
	Chlorbenside	S-8843	↓	↓		↓					
	tox/deb	S-8672	10 µg/ml	400ul		40 PG/ml					

10/16/98

030128

EA Laboratories DLO SEMI-Volatiles Lab Standards Logbook

ok # : 10

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-8777	PEM STD	RESTEK A010112	1-25 ug/ml	1 ml	—	—	HEXANE BR030	9/10/98	11/00		TS
S-8778	PEM working	S-8777	↓	↓	100 ml	0.01-0.25 ug/ml	↓	↓	3/10/99		↓
S-8779	Diesel	Getty Neat	—	—	—	—	—	9/10/98	9/10/00		[illegible]
S-8780	Diesel stock	S-8779	neat	1.25 g	25 mL	50,000 ug/mL	Toluene/[illegible]	9/10/98	3/10/99		↓
S-8781	Diesel MS	S-8780	50,000 ug/mL	5 mL	100 mL	2500 ug/mL	80:20 BR874: ACE:MeCl2 BS759	↓	↓		[illegible]
S-8782	motor oil MM	S-8685	2000 ug/mL 400 ug/mL	5 mL	20 mL	500 ug/mL 100 ug/mL	MeCl2/BS759	9/11/98	12/21/98		↓
~~S-8783~~	~~Surrogate (Tex/DLB)~~	Restek A010877	200 ug/ml	—	TS 9/14/98	—	Acetone	09/14/98	3/01		[illegible]
S-8783	PIBIK	S-8623	10 ug/ml	200 ul	100 ml	0.020 ug/ml 20 ug/ml	HEXANE BR030	9/14/98	3/14/99		TS
S-8784	Fuel oil #6 ~~Before~~ LA-[illegible]	Supelco 4-[illegible]	20 mg/ml	—	—	20 mg/ml	Hexane/MeCl2	opened 9-10-98	6/99		PMI
S-8785	Fuel oil #6 Sunset LL	S-[illegible] S-8[illegible]	20,000 ug/ml 2000 ug/ml	25 ml 50 ml	10 mls	50 ug/ml 10 ug/ml	MeCl2	9-10-98	12/17/98		PMI
S-8786	ML	↓	↓	100 ml 200 ml	↓	200 ug/ml 40 ug/ml	↓	↓	↓		↓
S-8787	MM	↓	↓	250 ml 500 ml	↓	500 ug/ml 100 ug/ml	↓	↓	↓		↓
S-8788	MH	↓	↓	500 ml 1000 ml	↓	1000 ug/ml 200 ug/ml	↓	↓	↓		↓
S-8789	HH	↓	↓	1000 ml 2000 ml	↓	2000 400 ug/ml	↓	↓	↓		↓
S-8790	Pest Std A Mix	Supelco LA-78091	5-50 ug/ml	—	—	—	NA	9/17/98	3/17/99		[illegible]
S-8791	Pest Std A Con 5	S-8790	↓	1.6 ml	100 ml	0.08-0.[illegible] ug/ml	Hexane/BR030	↓	3/17/~~98~~ 99		↓
S-8792	Diesel MM	S-8635	2000 ug/mL	20 mL	100 mL	500 ug/mL	MeCl2/BS759	9/19/98	1-17-99		[illegible]

030129

F. Technical Review Checklist and Other Analysis Documentation

ORGANIC EXTRACTIONS FID ANALYSIS REVIEW CHECKLIST

ort Number: 991733 Client: IT CORP Test: DRO Instrument: SW3

EA Nos: 9913260-74 Matrix: SOIL Analyst: [illegible]

CALIBRATION INITIAL ANALYSIS	Primary Analyst Review	Comments	(✓) Peer Review
What is the appropriate Project Summary?	EAL-PS-	90	✓
Did the resolution check meet specified criteria?	Y N/A N NCR:		✓
Did the initial calibration meet specified criteria?	Y N NCR:		✓
Did the ICV/CCV(s) meet specified criteria?	Y N NCR:		✓
Was the method blank free of target analytes?	Y N NCR:		✓
Did the method blank and LCS meet surrogate criteria?	Y N NCR:		✓
Did the LCS meet specified target analyte criteria?	Y N NCR:		✓
Did the LCS duplicate meet specified target analyte criteria?	Y N/A N NCR:		✓
Did all samples meet surrogate criteria?	Y N		✓
Were all samples analyzed within appropriate cal/tune time?	Y N/A N NCR:		✓
Have you checked for dilutions/reanalyses?	Y N		✓
Were samples initially analyzed within holding time?	Y N NCR:		✓
Were re-extractions initiated within holding time?	Y N/A N NCR:		✓

PACKAGE GENERATION			
Client chain of custodies	Y N		✓
LIMS chain of custodies	Y N		✓
Extraction/TCLP/DIWET sheets	Batches:	T912081	✓
ve all samples been included in the data package?	Y N		✓
..y weight/sample weight logs	Y N/A		✓
Example calculation worksheet	Y		✓
Injection logs	Y		✓
Standards logs	Y	5000 ug/kg per MS	✓
Have the proper reporting/QC limits & analyte lists been used?	Y	Method STD MDL Proj.	✓
Is the SDG number on all required forms?	Y N/A	SDG #: 9913260	✓
Form IIs (Surrogate Recovery Forms)	Y N/A		✓
Form IIIs (MS/MSD Recovery Forms)	Y N/A		✓
Form IIIs (LCS/LCSD Recovery Forms)	Y		✓
Form IVS (Method Blank Forms)	Y		✓
Form Is (Sample Data with Forms)	Y		✓
Is sample data included?	Y		✓
Form VIs (Initial Calibration Forms)	Y		✓
Form VIIs (Cont. Calibration Forms)	Y		✓
Are all IC/ICV/CCV data included?	Y		✓
Are Blank/LCS/MS/MSD(s) included?	Y		✓
Have all manual integrations been addressed?	Y N/A	M1	✓

ORGANIC EXTRACTIONS ANALYSIS REVIEW CHECKLIST CONTINUED

SECTION CHIEF

Has analyst review been completed?	Y	ERM Directory	IT1733
Has peer review been completed?	Y		
Has correct Project Summary been confirmed?	Y	Forms Filename	SLW08DEC_DRO
Are all data reduction file names listed?	Y		
Are all NCR's included with appropriate action?	Y N/A	Generated by	
Are all memo's E-Mails included with appropriate action?	Y N/A		
Has the electronic file been generated?	Y N/A		

Additional Comments

		Date
Primary Analyst		12099
Peer Review		120999
Instrumentation Section Chief		
		12099

All questions should be answered with a "Y" for yes, "N" for no or "NA" for not applicable. All "N" answers require a corrective action as specified in the project summary and an explanation in the narrative notes section.

4. PESTICIDES DATA

A. QC Summary

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

GC Column (1): RTX-5 ID: 0.53 (mm) GC Column (2): RTX-35 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PB912082	70	80	85	87	0
02	PL912082	73	84	84	87	0
03	683-F-F5	62	71	75	77	0
04	683-F-E5	60	68	72	74	0
05	683-F-F6A	64	69	72	73	0
06	683-F-G6	70	75	83	87	0
07	683-F-E7	62	71	74	77	0
08	683-F-G7	62	69	71	73	0
09	683-SEW1	56	63	71	75	0
10	683-SEW1MS	68	80	84	87	0
11	683-SEW1MSD	66	69	78	82	0
12	683-SEW2	62	69	74	80	0
13	683-SWW1A	57	66	64	68	0
14	683-NWW2	66	116	79	80	0
15	683-NEW2	65	75	79	84	0
16	683-G4W	49	52	110	82	0
17	683-H5W	59	70	71	77	0
18	683-F-G4	60	67	75	79	0
19	683-F-G5B	62	71	73	80	0
20	683-F-F5DL	32 D	36 D	41 D	44 D	0
21	683-G4WDL	0 D	0 D	1 D	1 D	0
22	683-NEW2DL	34 D	39 D	42 D	45 D	0
23	683-F-G5BDL	33 D	37 D	39 D	42 D	0
24	683-SEW2DL	17 D	18 D	22 D	24 D	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(30-150)
DCB	=	Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: 683-SEW1

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC	19	0.0	15	79	59 - 103
Heptachlor	19	0.0	17	89	69 - 118
Aldrin	19	0.0	16	84	68 - 129
Dieldrin	39	0.0	35	90	67 - 111
Endrin	39	0.0	34	87	71 - 129
4,4'-DDT	39	0.0	33	85	66 - 127

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC	19	15	79	0	27	59 - 103
Heptachlor	19	17	89	0	30	69 - 118
Aldrin	19	15	79	6	37	68 - 129
Dieldrin	39	33	85	6	27	67 - 111
Endrin	39	33	85	2	35	71 - 129
4,4'-DDT	39	33	85	0	37	66 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS:

LCS RECOVERY FORM

Lab Name: Severn Trent Labs

Date Extracted 12/08/99

Instrument: SQ7

Date Analyzed: 12/08/99

Analyst: TS

Matrix: SOIL

Spike No.: S-9582

Sample ID: PL912082

COMPOUND	SPIKE ADDED	LCS CONC.	% REC #	QC Limits
gamma-BHC	17	13	76%	59-103
Heptachlor	17	15	88%	69-118
Aldrin	17	14	82%	68-129
Dieldrin	33	30	91%	67-111
Endrin	33	28	85%	71-129
4,4'-DDT	33	29	88%	66-127

The LCS has been checked and is within/outside current limits

Tes Fong 12/09/99

ANALYST DATE

—

Non-conformance form #

LCS RECOVERY FORM

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB912082

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Lab Sample ID: PB912082 Lab File ID: 392FAASQ.D

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) Y Date Extracted: 12/08/99

Date Analyzed (1) : 12/08/99 Date Analyzed (2) : 12/08/99

Time Analyzed (1) : 1954 Time Analyzed (2) : 1954

Instrument ID (1) : SQ7 Instrument ID (2) : SQ7

GC Column (1) : RTX-5 ID: 0.53 (mm) GC Column (2) : RTX-35 ID: 0.53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PL912082	PL912082	12/08/99	12/08/99
02	683-F-F5	9913260	12/08/99	12/08/99
03	683-F-E5	9913261	12/08/99	12/08/99
04	683-F-F6A	9913262	12/08/99	12/08/99
05	683-F-G6	9913263	12/08/99	12/08/99
06	683-F-E7	9913264	12/08/99	12/08/99
07	683-F-G7	9913265	12/08/99	12/08/99
08	683-SEW1	9913266	12/08/99	12/08/99
09	683-SEW1MS	9913266MS	12/09/99	12/09/99
10	683-SEW1MSD	9913266MSD	12/09/99	12/09/99
11	683-SEW2	9913267	12/09/99	12/09/99
12	683-SWW1A	9913268	12/09/99	12/09/99
13	683-NWW2	9913269	12/09/99	12/09/99
14	683-NEW2	9913270	12/09/99	12/09/99
15	683-G4W	9913271	12/09/99	12/09/99
16	683-H5W	9913272	12/09/99	12/09/99
17	683-F-G4	9913273	12/09/99	12/09/99
18	683-F-G5B	9913274	12/09/99	12/09/99
19	683-F-F5DL	9913260X2	12/09/99	12/09/99
20	683-G4WDL	9913271X300	12/09/99	12/09/99
21	683-NEW2DL	9913270X2	12/09/99	12/09/99
22	683-F-G5BDL	9913274X2	12/09/99	12/09/99
23	683-SEW2DL	9913267X4	12/09/99	12/09/99

COMMENTS:

B. Sample Data

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-F5

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913260

Sample wt/vol: 30 (g/ml) G Lab File ID: 394FAASQ.D

% Moisture: 19 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

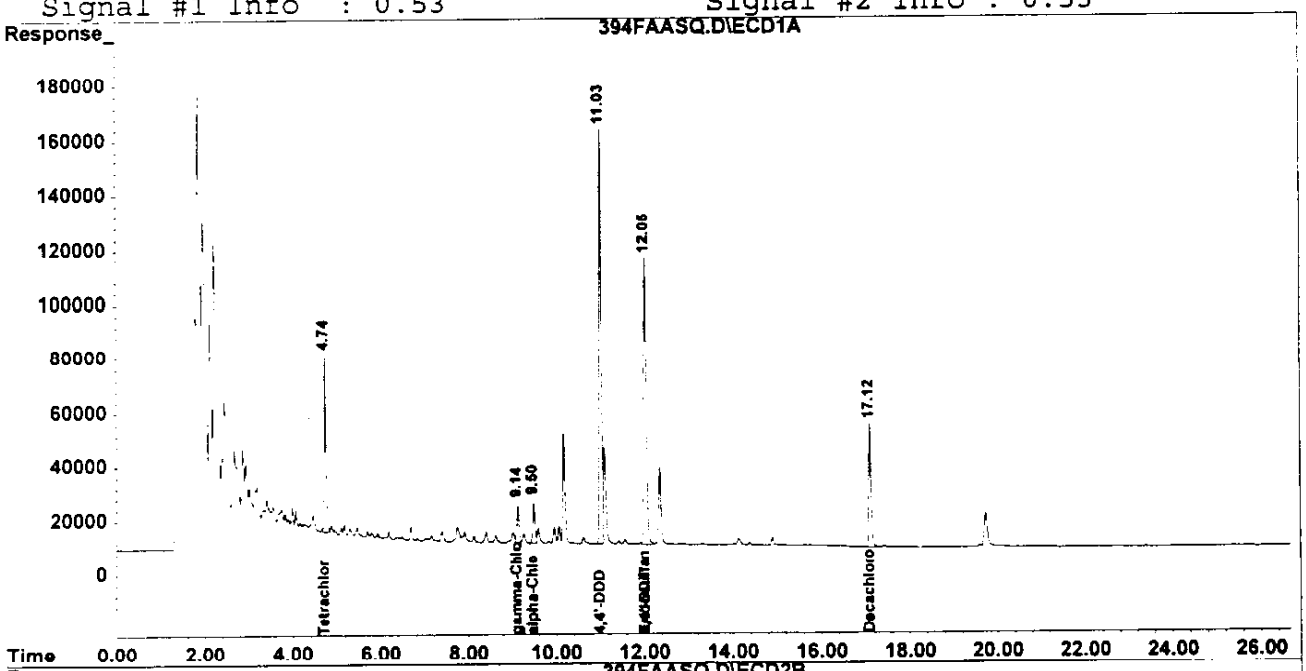
CONCENTRATION UNITS:

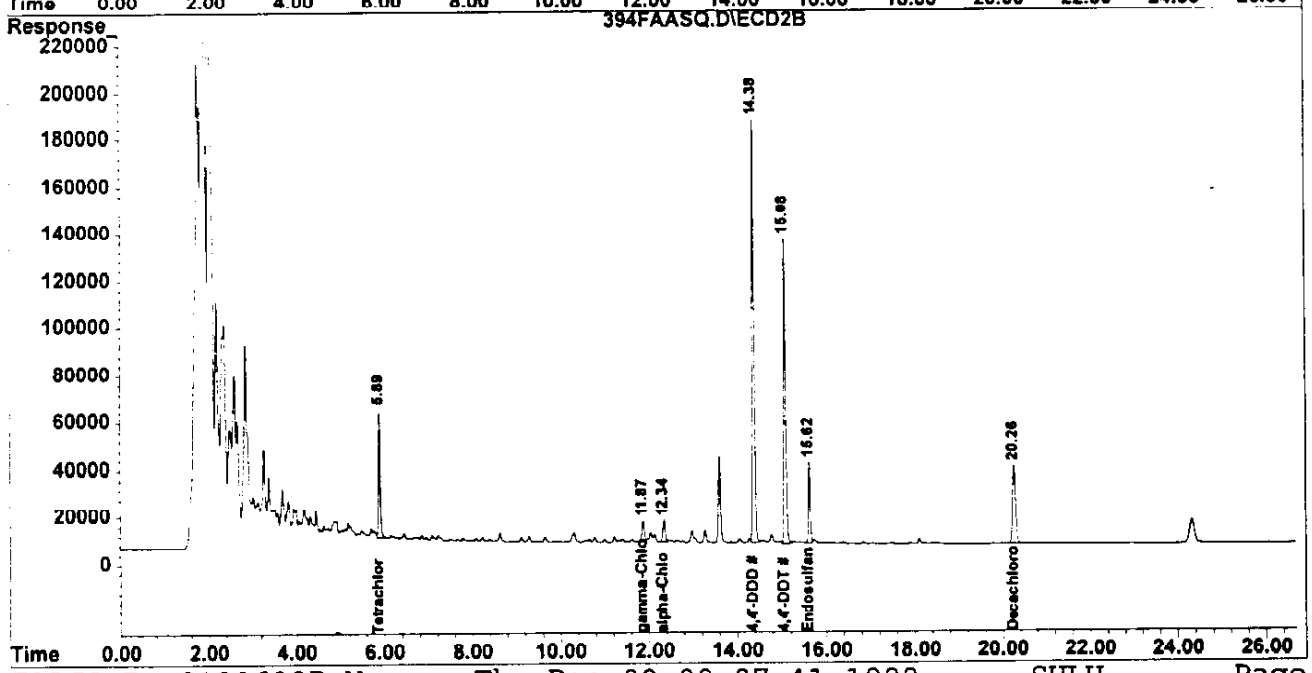
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
5103-74-2	gamma-Chlordane	3.4	
5103-71-9	alpha-Chlordane	3.6	
72-55-9	4,4'-DDE	4.1	U
60-57-1	Dieldrin	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	75	E
50-29-3	4,4'-DDT	64	
7421-36-3	Endrin Aldehyde	4.1	U
1031-07-8	Endosulfan Sulfate	14	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin Ketone	4.1	U
8001-35-2	Toxaphene	210	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\394FAASQ.D\ECD1A.CH Vial: 6
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\394FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 8:54 pm Operator: TS
Sample : 9913260 Inst : SQ7
Misc : 683-F-F5 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:55 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\394FAASQ.D\ECD1A.CH Vial: 6
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\394FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 8:54 pm Operator: TS
Sample : 9913260 Inst : SQ7
Misc : 683-F-F5 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:55 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	4.74	5.89	1769630	1496543	37.187m	42.633m
Spiked Amount	60.000 Range 30 - 150 Recovery =					61.98%	71.06%
22) S	Decachlorobiphen	17.12	20.26	1653126	1667771	45.016	46.155
Spiked Amount	60.000 Range 30 - 150 Recovery =					75.03%	76.93%
	Target Compounds						
10) B	gamma-Chlordane	9.14	11.87	469330	324130	9.505m	8.248m
11) B	alpha-Chlordane	9.50	12.34	522320	349755	10.537m	8.777m
A	4,4'-DDD	11.03	14.38	5668179	5891812	181.396m	225.218m
MA	4,4'-DDT	12.05	15.08	4410177	3972053	156.083	185.100
19) B	Endosulfan Sulfa	12.05f	15.62f	4410177	985337	120.682	34.849 #
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
394FAASQ.D Q120699P.M Thu Dec 09 09:07:36 1999 SULU

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-F5DL

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913260x2

Sample wt/vol: 30 (g/ml) G Lab File ID: 418FAASQ.D

% Moisture: 19 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

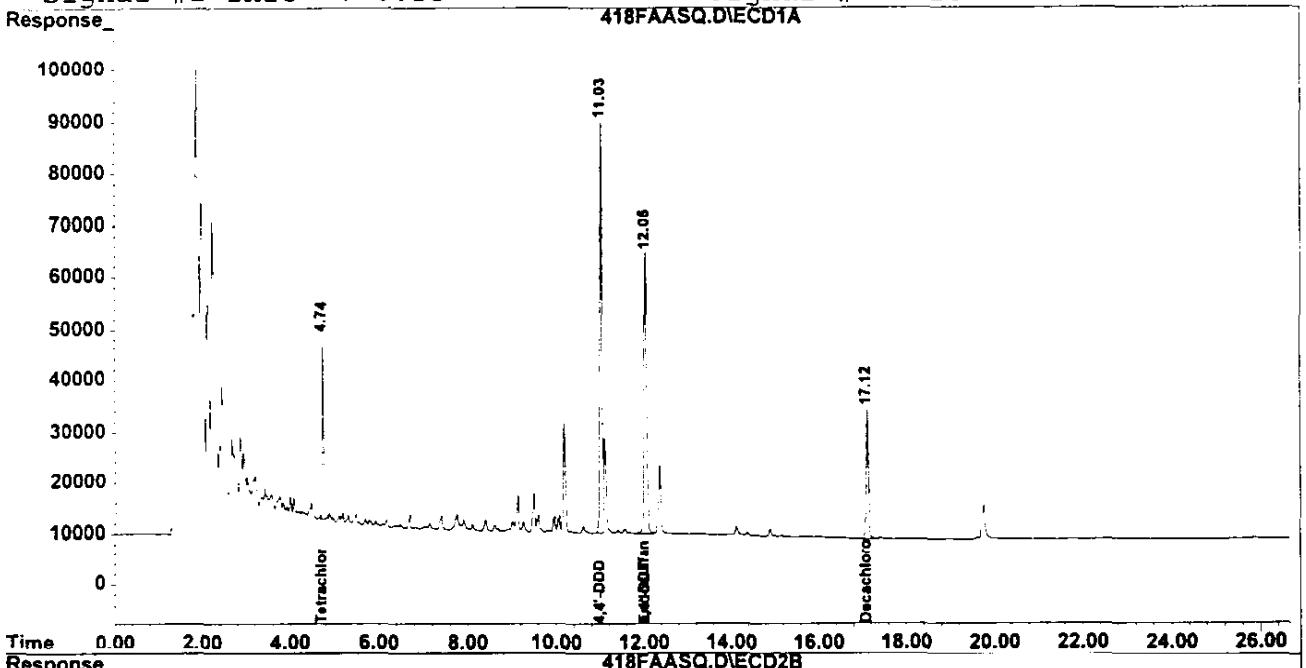
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

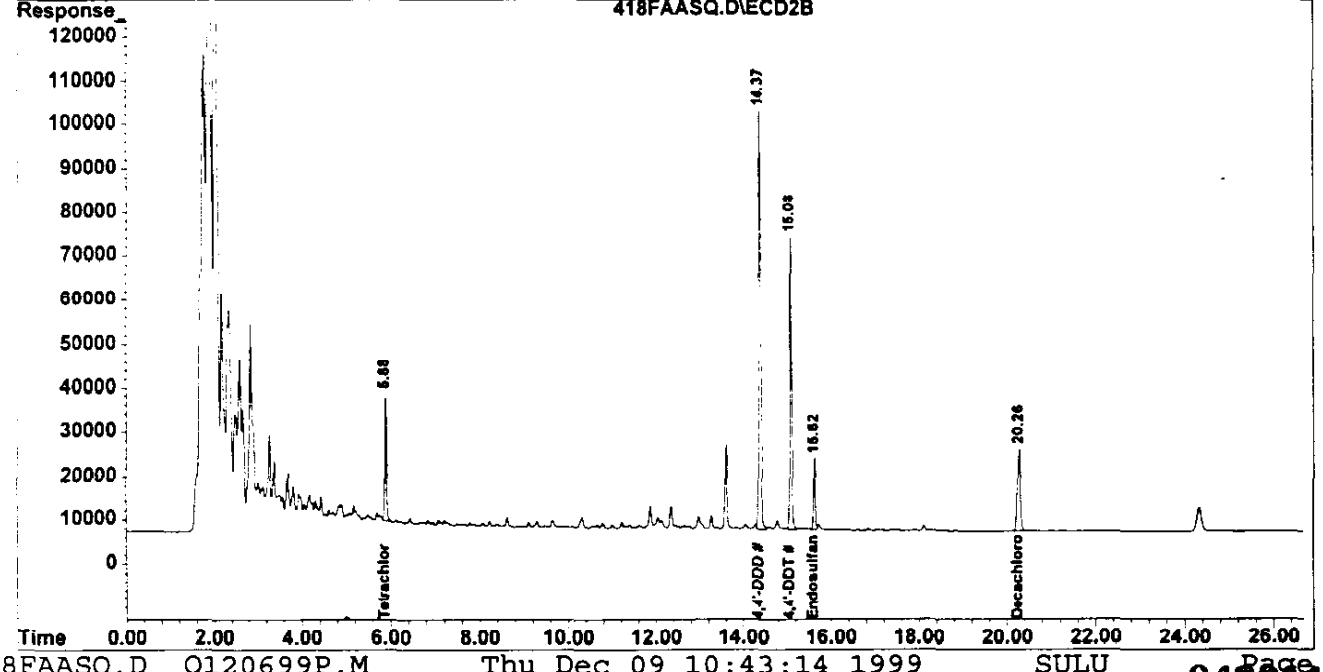
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	4.1	U
58-89-9	gamma-BHC	4.1	U
76-44-8	Heptachlor	4.1	U
309-00-2	Aldrin	4.1	U
319-85-7	beta-BHC	4.1	U
319-86-8	delta-BHC	4.1	U
1024-57-3	Heptachlor Epoxide	4.1	U
959-98-8	Endosulfan I	4.1	U
5103-74-2	gamma-Chlordane	4.1	U
5103-71-9	alpha-Chlordane	4.1	U
72-55-9	4,4'-DDE	8.2	U
60-57-1	Dieldrin	8.2	U
72-20-8	Endrin	8.2	U
33213-65-9	Endosulfan II	8.2	U
72-54-8	4,4'-DDD	77	
50-29-3	4,4'-DDT	66	
7421-36-3	Endrin Aldehyde	8.2	U
1031-07-8	Endosulfan Sulfate	13	P
72-43-5	Methoxychlor	41	U
53494-70-5	Endrin Ketone	8.2	U
8001-35-2	Toxaphene	410	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\418FAASQ.D\ECD1A.CH Vial: 30
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\418FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 9:56 am Operator: TS
Sample : 9913260x2 Inst : SQ7
Misc : 683-F-F5DL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 10:42 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\418FAASQ.D\ECD1A.CH Vial: 30
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\418FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 9:56 am Operator: TS
Sample : 9913260x2 Inst : SQ7
Misc : 683-F-F5DL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 10:42 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	926181	767304	19.463m	21.858m
Spiked Amount 60.000 Range 30 - 150 Recovery =					32.44%	36.43%
22) S Decachlorobiphen	17.12	20.26	898261	942995	24.460	26.097
Spiked Amount 60.000 Range 30 - 150 Recovery =					40.77%	43.50%
Target Compounds						
16) A 4,4'-DDD	11.03	14.37	2906885	3116380	93.028	119.126 #
17) MA 4,4'-DDT	12.05	15.08	2266312	2009441	80.208	93.641
[illegible]) B Endosulfan Sulfa	12.05f	15.62f	2266312	462254	62.016	16.349 #
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
rage Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual i[illegible]
418FAASQ.D Q120699P.M Thu Dec 09 10:43:11 1999 SULU Page 1

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-E5

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913261

Sample wt/vol: 30 (g/ml) G Lab File ID: 395FAASQ.D

% Moisture: 25 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

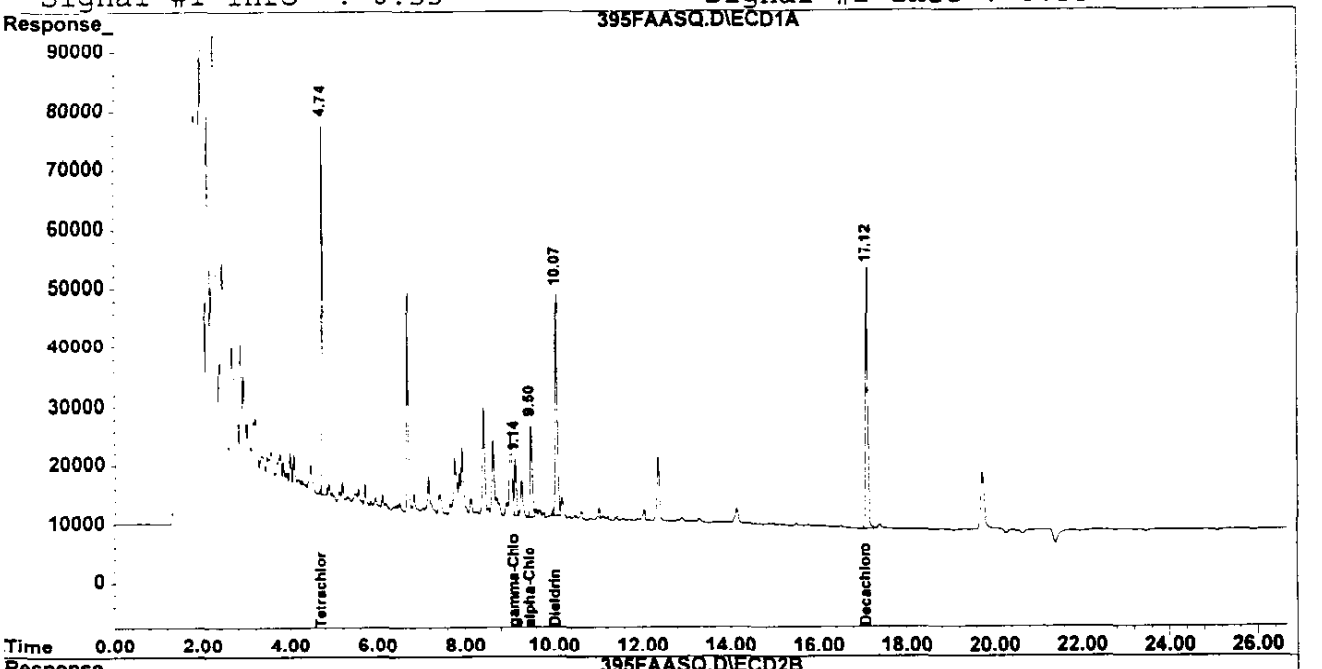
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

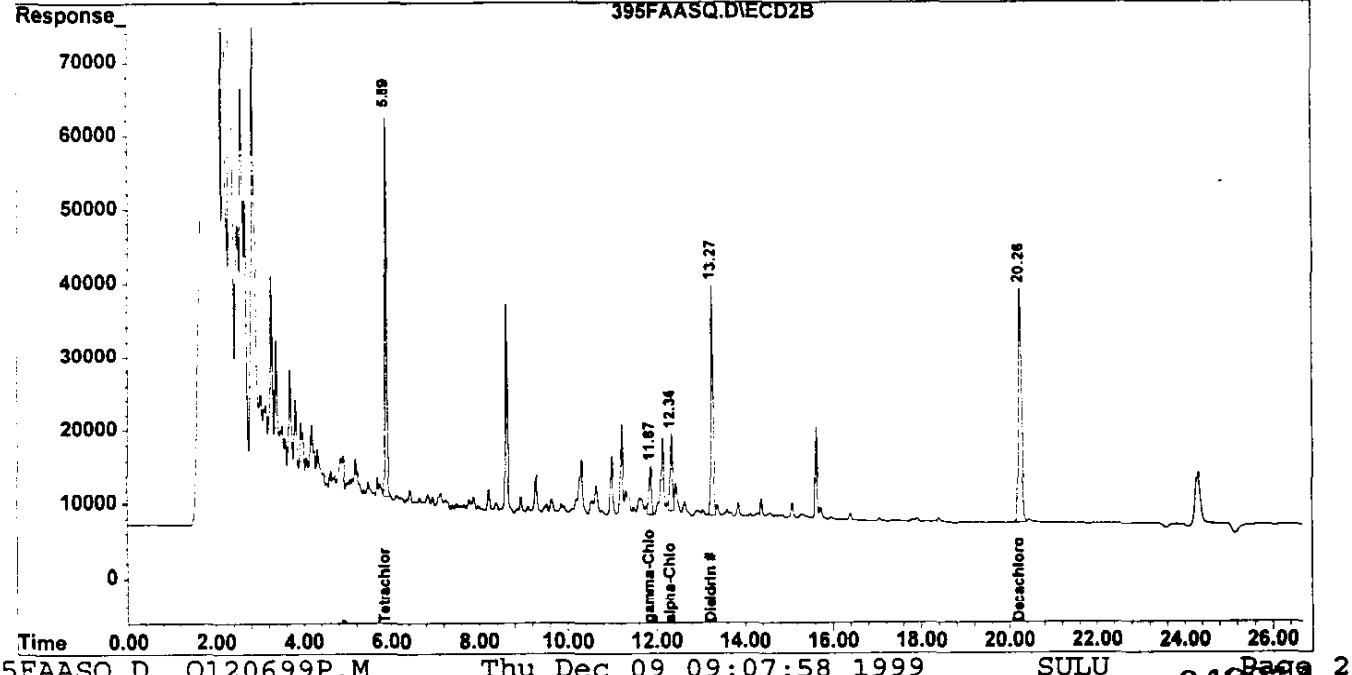
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
1024-57-3	Heptachlor Epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
5103-74-2	gamma-Chlordane	2.8	
5103-71-9	alpha-Chlordane	4.6	
72-55-9	4,4'-DDE	4.4	U
60-57-1	Dieldrin	13	
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
50-29-3	4,4'-DDT	4.4	U
7421-36-3	Endrin Aldehyde	4.4	U
1031-07-8	Endosulfan Sulfate	4.4	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin Ketone	4.4	U
8001-35-2	Toxaphene	220	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\395FAASQ.D\ECD1A.CH Vial: 7
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\395FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 9:24 pm Operator: TS
Sample : 9913261 Inst : SQ7
Misc : 683-F-E5 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:03 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\395FAASQ.D\ECD1A.CH Vial: 7
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\395FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 9:24 pm Operator: TS
Sample : 9913261 Inst : SQ7
Misc : 683-F-E5 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:03 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	1709371	1429609	35.921m	40.726m
Spiked Amount 60.000 Range 30 - 150 Recovery =					59.87%	67.88%
22) S Decachlorobiphen	17.12	20.26	1593767	1596989	43.399	44.196
Spiked Amount 60.000 Range 30 - 150 Recovery =					72.33%	73.66%
Target Compounds						
10) B gamma-Chlordane	9.14	11.87	315335	271611	6.386m	6.911m
11) B alpha-Chlordane	9.50	12.34	543842	412874	10.971m	10.361m
MA Dieldrin	10.07	13.27	1285336	1113692	30.321m	31.900m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
rage Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual in

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-F6A

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913262

Sample wt/vol: 30.1 (g/ml) G Lab File ID: 396FAASQ.D

% Moisture: 21 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

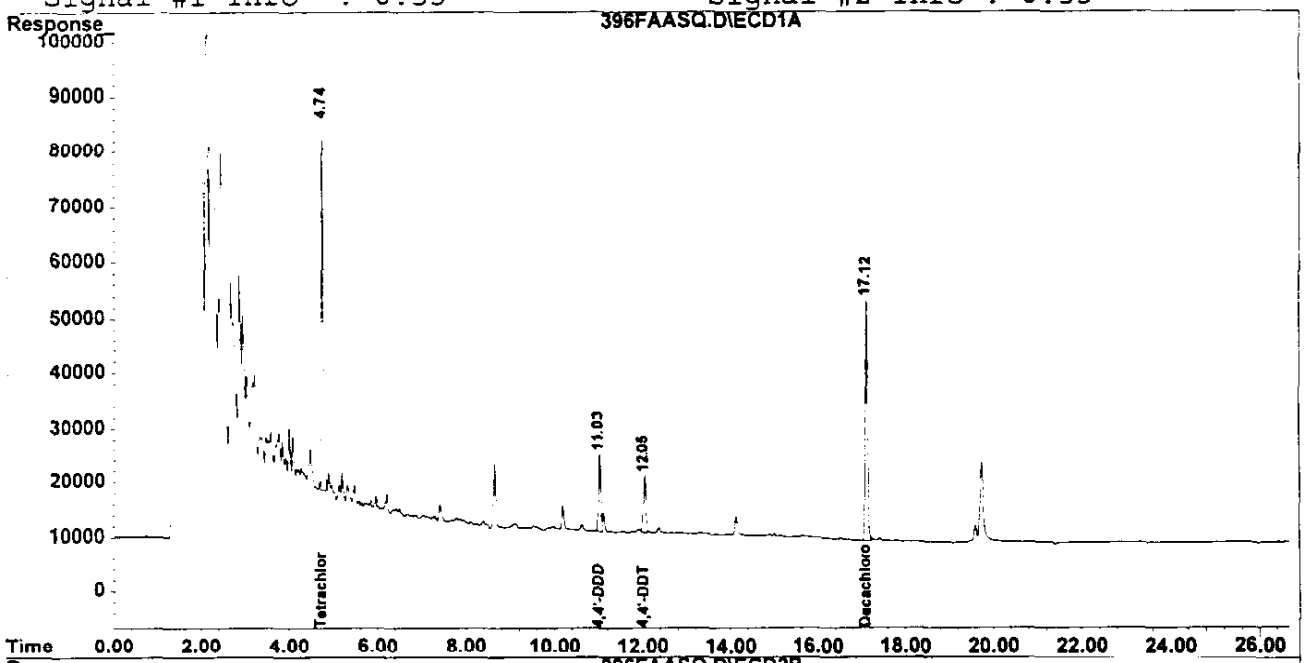
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

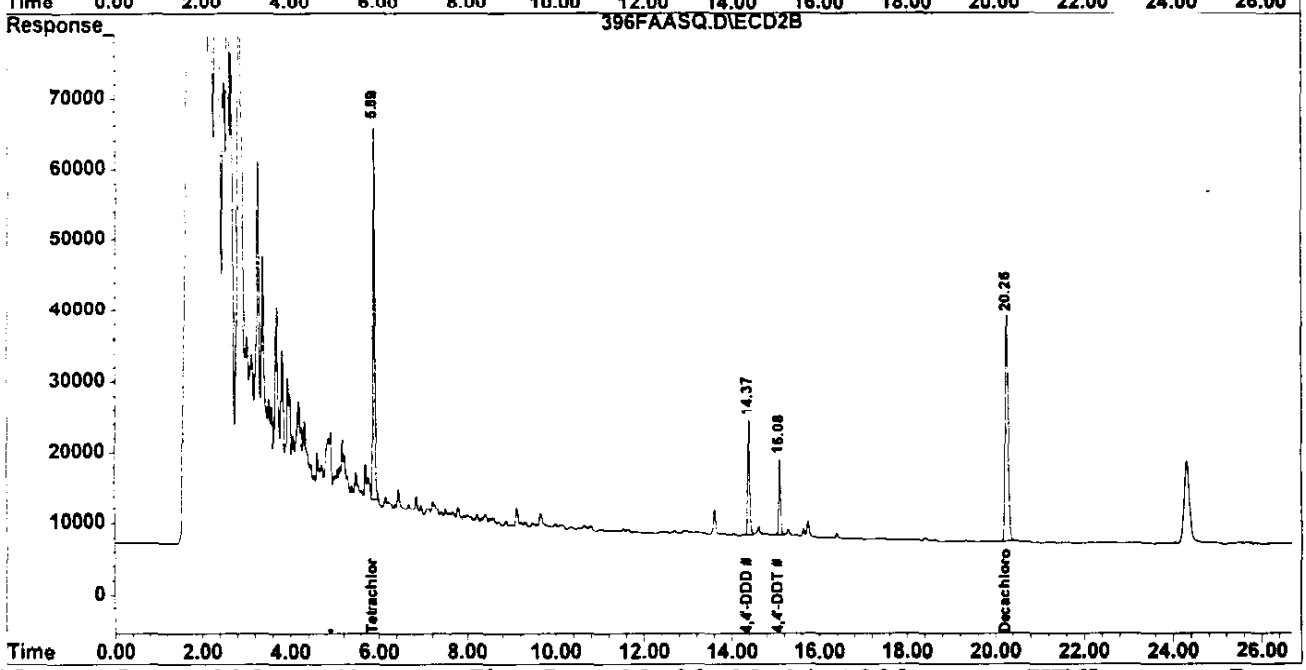
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U
72-55-9	4,4'-DDE	4.2	U
60-57-1	Dieldrin	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	6.5	
50-29-3	4,4'-DDT	6.0	
7421-36-3	Endrin Aldehyde	4.2	U
1031-07-8	Endosulfan Sulfate	4.2	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin Ketone	4.2	U
8001-35-2	Toxaphene	210	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\396FAASQ.D\ECD1A.CH Vial: 8
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\396FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 9:55 pm Operator: TS
Sample : 9913262 Inst : SQ7
Misc : 683-F-F6A Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:06 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\396FAASQ.D\ECD1A.CH Vial: 8
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\396FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 9:55 pm Operator: TS
Sample : 9913262 Inst : SQ7
Misc : 683-F-F6A Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:06 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	1831355	1461175	38.485m	41.625m
Spiked Amount 60.000 Range 30 - 150 Recovery =					64.14%	69.38%
22) S Decachlorobiphen	17.12	20.25	1578014	1584858	42.970m	43.860
Spiked Amount 60.000 Range 30 - 150 Recovery =					71.62%	73.10%
Target Compounds						
16) A 4,4'-DDD	11.03	14.37	481873	502478	15.421	19.208m
17) MA 4,4'-DDT	12.05	15.08	402204	325866	14.235m	15.186m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int
396FAASQ.D Q120699P.M Thu Dec 09 09:08:10 1999 SULU Page 1

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G6

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913263

Sample wt/vol: 30.1 (g/ml) G Lab File ID: 397FAASQ.D

% Moisture: 7 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

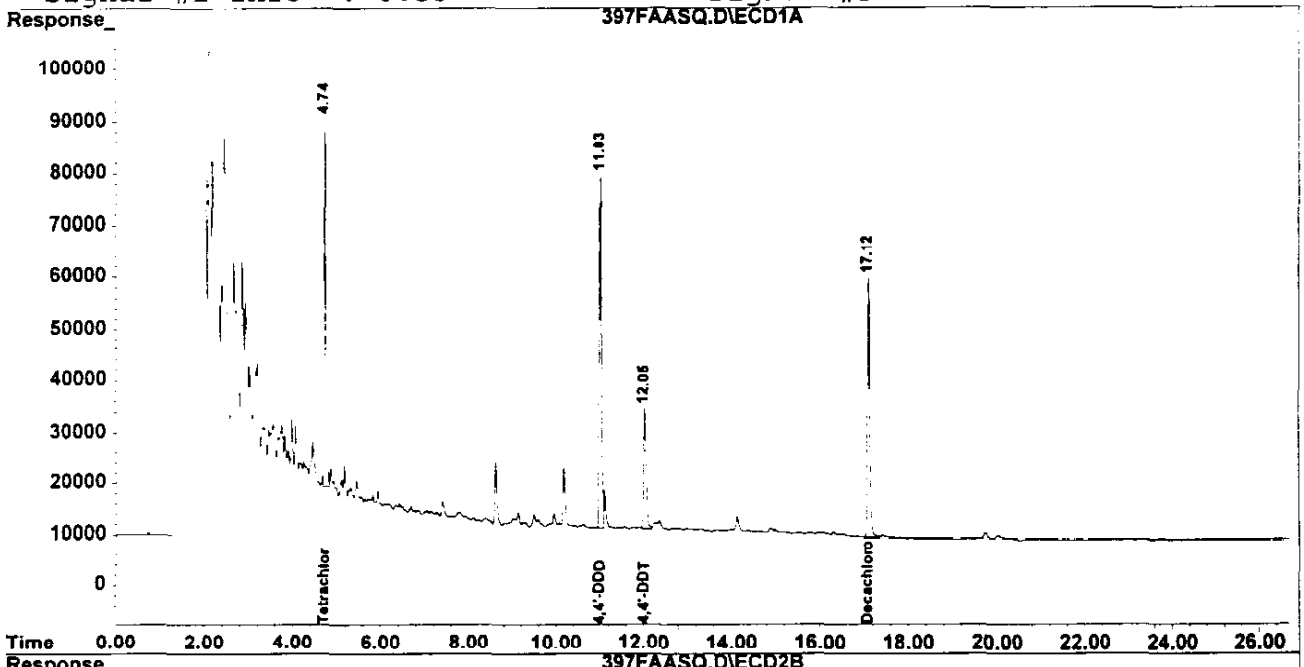
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

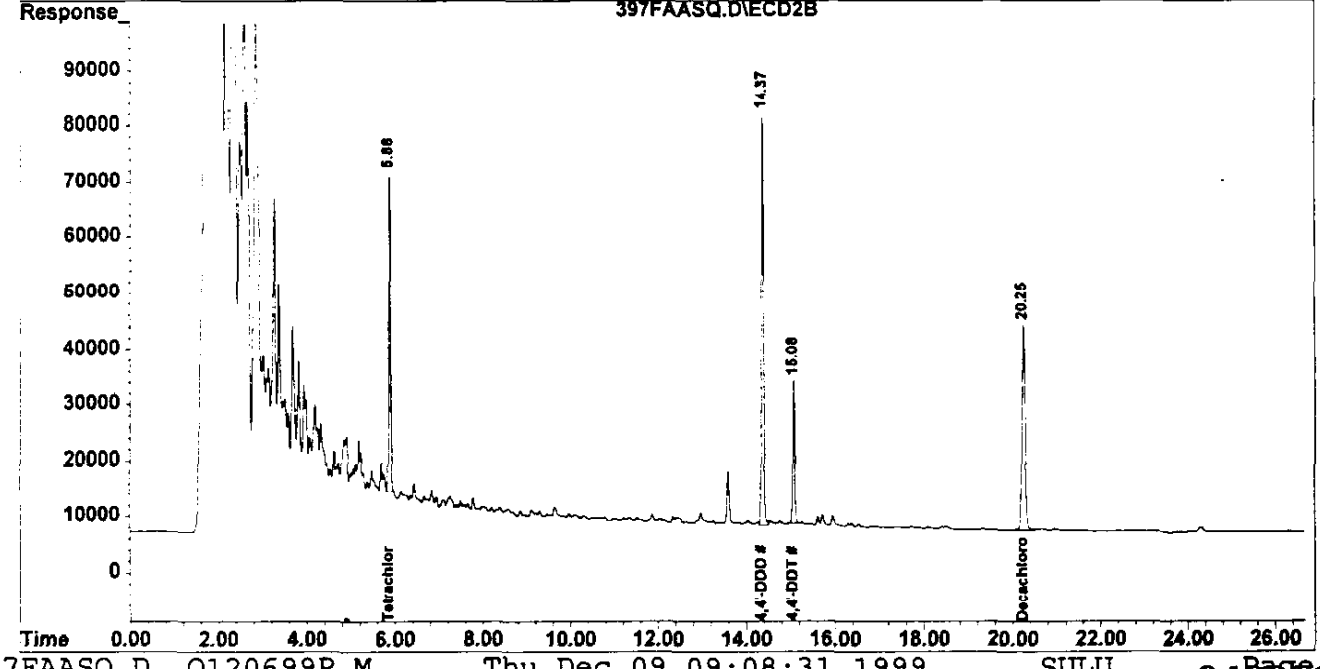
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U
72-55-9	4,4'-DDE	3.6	U
60-57-1	Dieldrin	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	28	
50-29-3	4,4'-DDT	12	
7421-36-3	Endrin Aldehyde	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin Ketone	3.6	U
8001-35-2	Toxaphene	180	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\397FAASQ.D\ECD1A.CH Vial: 9
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\397FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 10:25 pm Operator: TS
Sample : 9913263 Inst : SQ7
Misc : 683-F-G6 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:07 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\397FAASQ.D\ECD1A.CH Vial: 9
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\397FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 10:25 pm Operator: TS
Sample : 9913263 Inst : SQ7
Misc : 683-F-G6 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:07 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1984916	1571153	41.712m	44.758m
Spiked Amount 60.000 Range 30 - 150 Recovery =					69.52%	74.60%
22) S Decachlorobiphen	17.12	20.25	1823908	1887454	49.666	52.234
Spiked Amount 60.000 Range 30 - 150 Recovery =					82.78%	87.06%
Target Compounds						
16) A 4,4'-DDD	11.03	14.38	2474103	2354645	79.178	90.008
17) MA 4,4'-DDT	12.05	15.08	951337	776503	33.669	36.186m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor 1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual 040021
397FAASQ.D Q120699P.M Thu Dec 09 09:08:27 1999 SULU Page 1

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-E7

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913264

Sample wt/vol: 30 (g/ml) G Lab File ID: 398FAASQ.D

% Moisture: 23 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

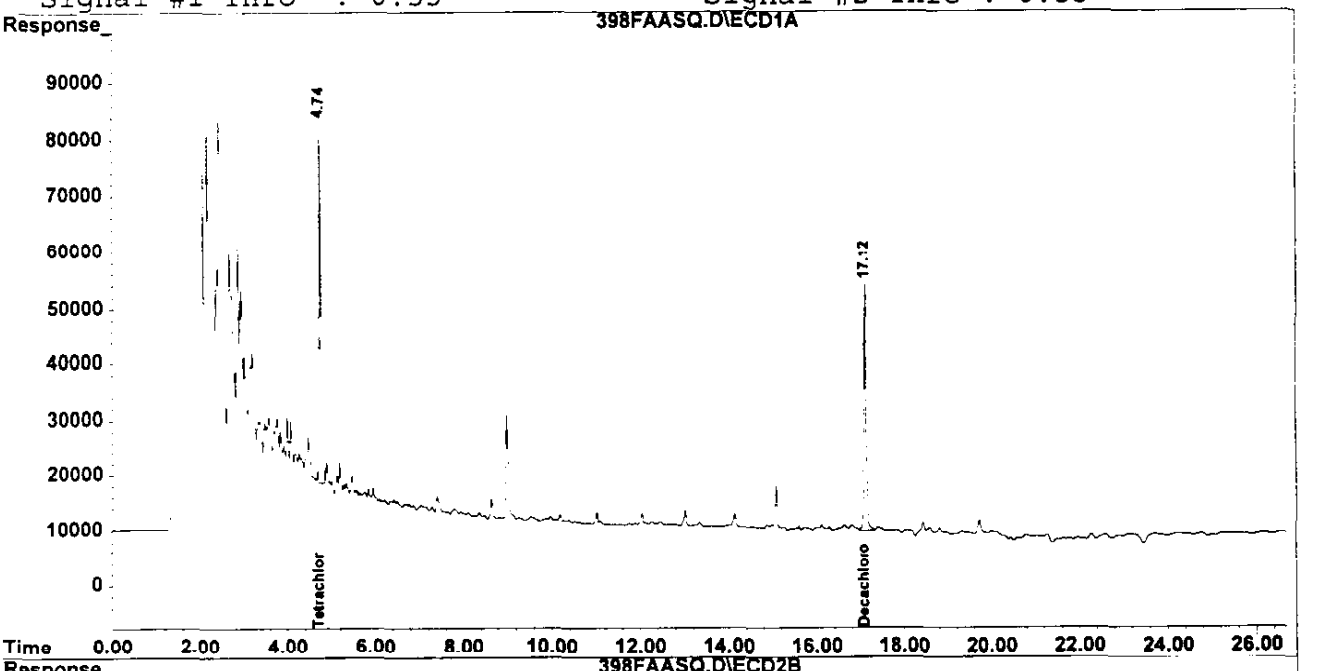
GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

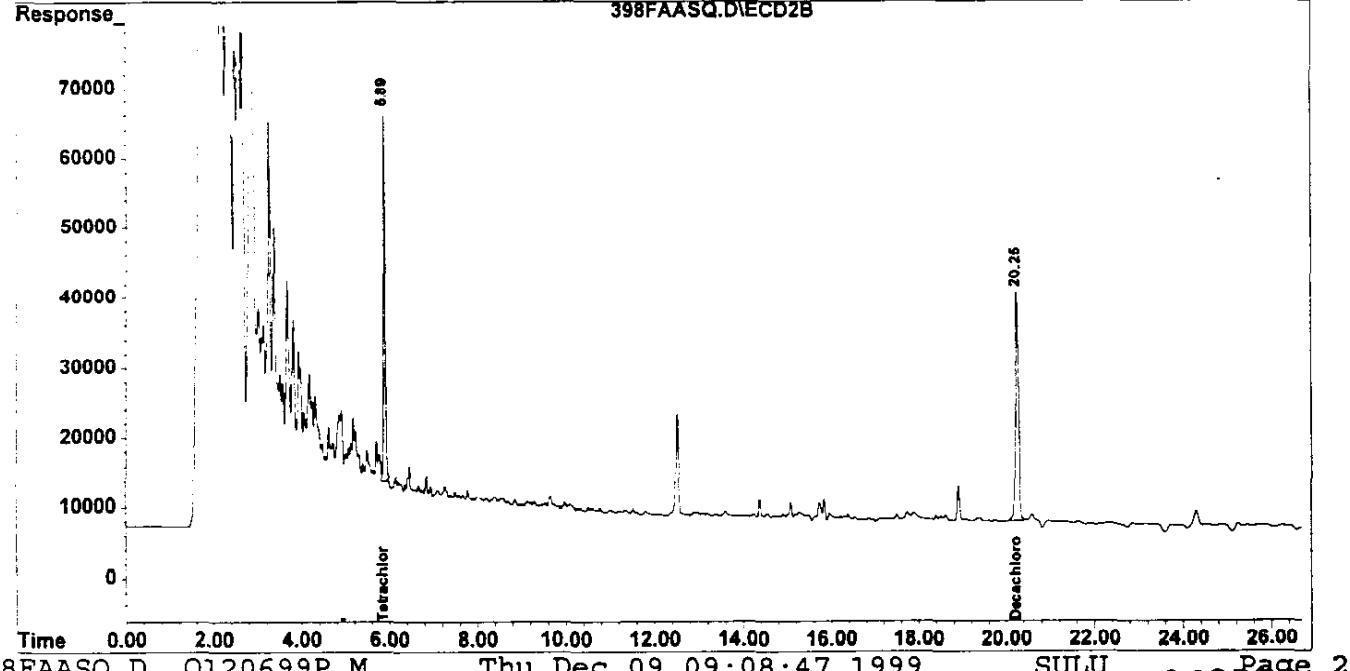
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
1024-57-3	Heptachlor Epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
5103-71-9	alpha-Chlordane	2.2	U
72-55-9	4,4'-DDE	4.3	U
60-57-1	Dieldrin	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
50-29-3	4,4'-DDT	4.3	U
7421-36-3	Endrin Aldehyde	4.3	U
1031-07-8	Endosulfan Sulfate	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin Ketone	4.3	U
8001-35-2	Toxaphene	220	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\398FAASQ.D\ECD1A.CH Vial: 10
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\398FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 10:55 pm Operator: TS
Sample : 9913264 Inst : SQ7
Misc : 683-F-E7 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:09 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\398FAASQ.D\ECD1A.CH Vial: 10
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\398FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 10:55 pm Operator: TS
Sample : 9913264 Inst : SQ7
Misc : 683-F-E7 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:09 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	1780902	1484793	37.424m	42.298m
Spiked Amount 60.000 Range 30 - 150 Recovery =					62.37%	70.50%
22) S Decachlorobiphen	17.12	20.25	1636755	1674086	44.570	46.330m
Spiked Amount 60.000 Range 30 - 150 Recovery =					74.28%	77.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G7

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913265

Sample wt/vol: 30 (g/ml) G Lab File ID: 399FAASQ.D

% Moisture: 23 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

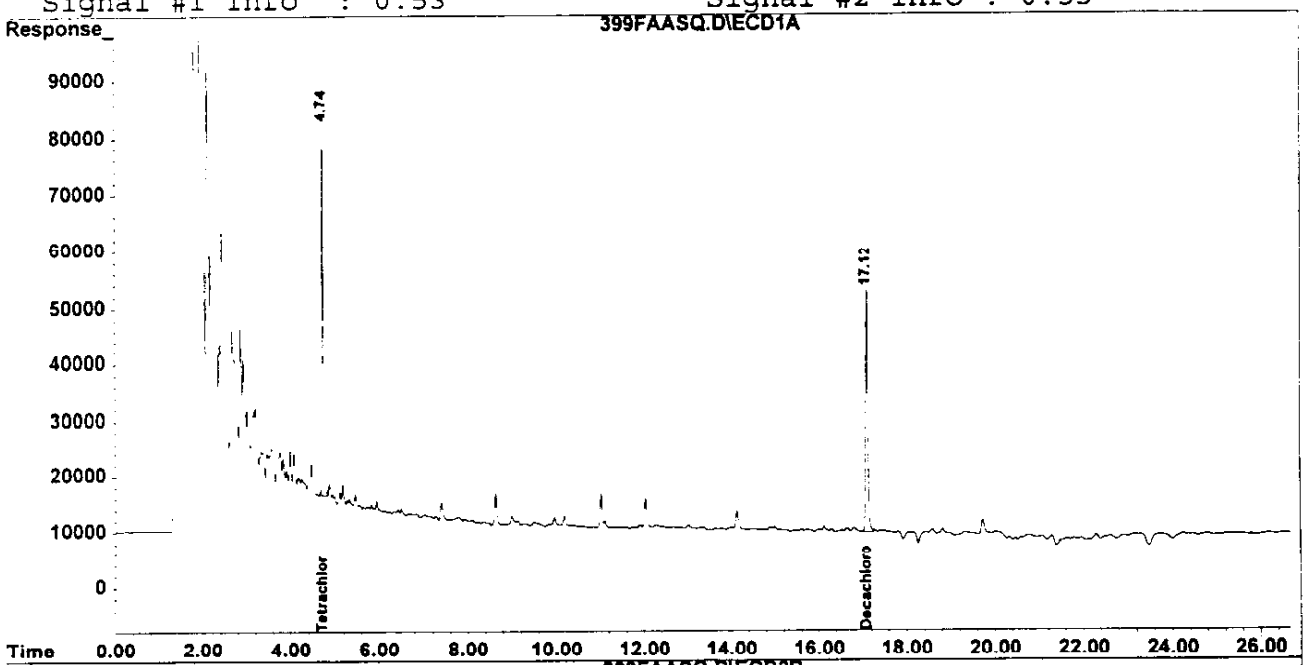
CONCENTRATION UNITS:

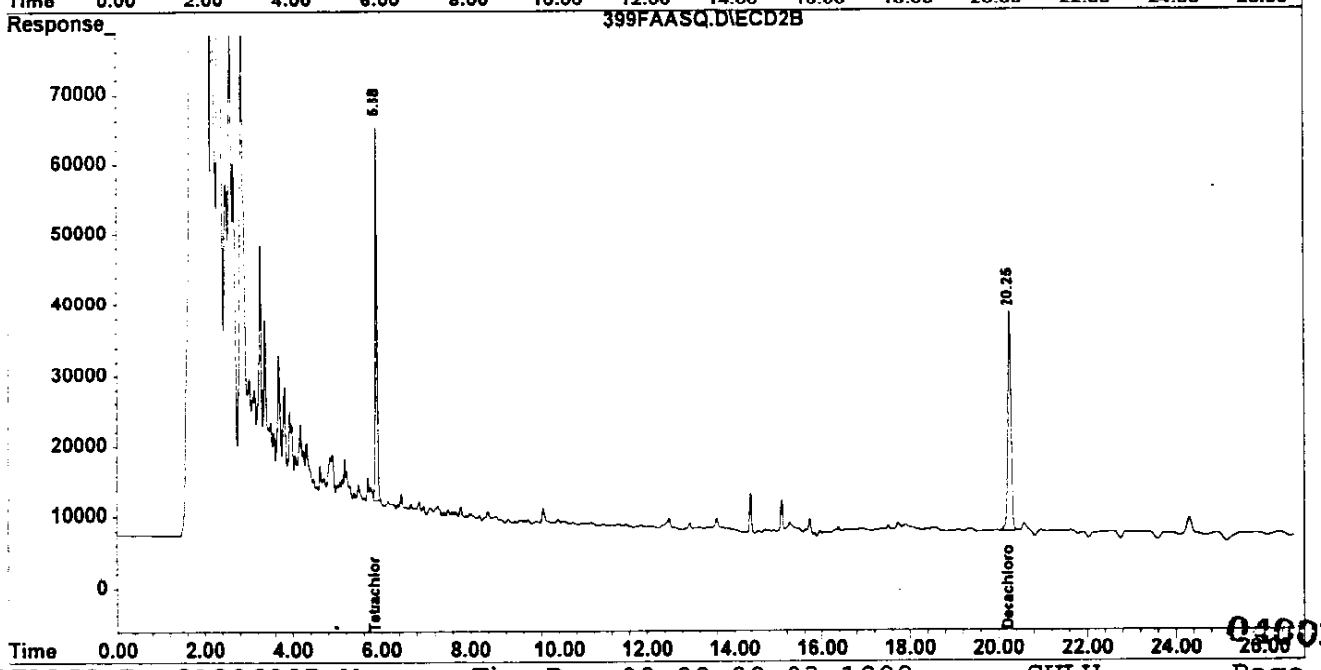
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
58-89-9	gamma-BHC	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
1024-57-3	Heptachlor Epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
5103-71-9	alpha-Chlordane	2.2	U
72-55-9	4,4'-DDE	4.3	U
60-57-1	Dieldrin	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
50-29-3	4,4'-DDT	4.3	U
7421-36-3	Endrin Aldehyde	4.3	U
1031-07-8	Endosulfan Sulfate	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin Ketone	4.3	U
8001-35-2	Toxaphene	220	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\399FAASQ.D\ECD1A.CH Vial: 11
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\399FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 11:25 pm Operator: TS
Sample : 9913265 Inst : SQ7
Misc : 683-F-G7 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:12 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\399FAASQ.D\ECD1A.CH Vial: 11
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\399FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 11:25 pm Operator: TS
Sample : 9913265 Inst : SQ7
Misc : 683-F-G7 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:12 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1760111	1462957	36.987m	41.676m
Spiked Amount 60.000 Range 30 - 150 Recovery =					61.65%	69.46%
22) S Decachlorobiphen	17.12	20.25	1553298	1579979	42.297	43.725m
Spiked Amount 60.000 Range 30 - 150 Recovery =					70.49%	72.88%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW1

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913266

Sample wt/vol: 30 (g/ml) G Lab File ID: 400FAASQ.D

% Moisture: 14 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

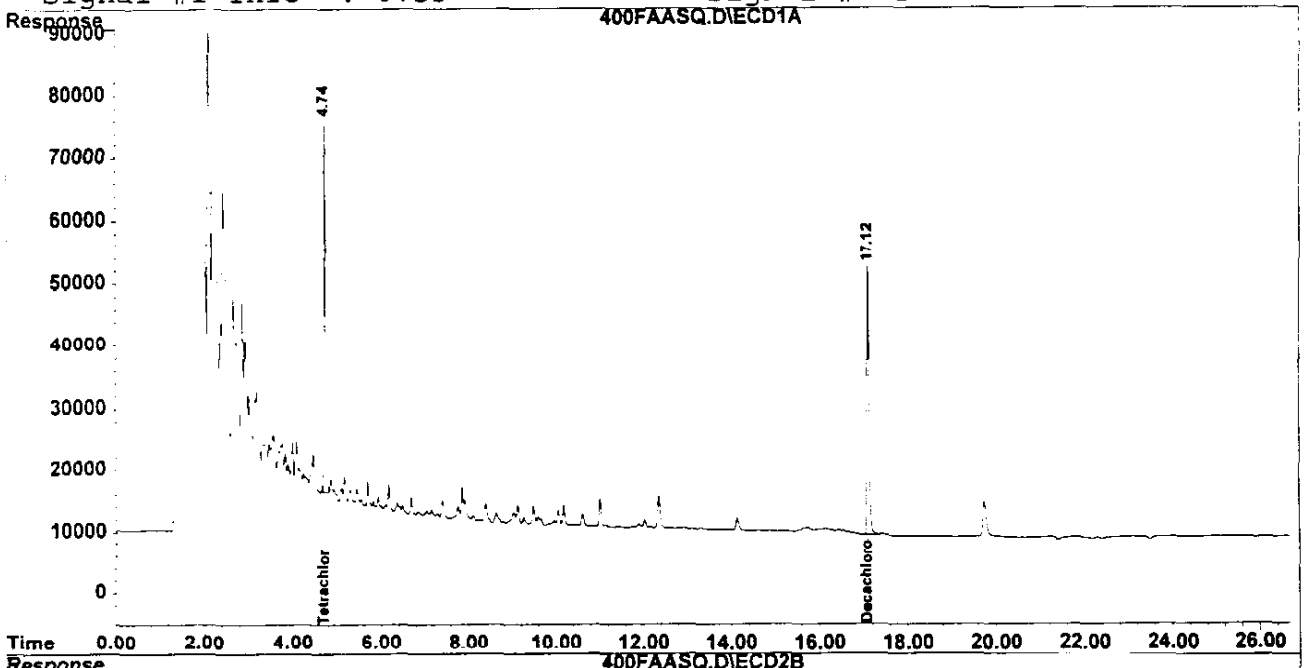
CONCENTRATION UNITS:

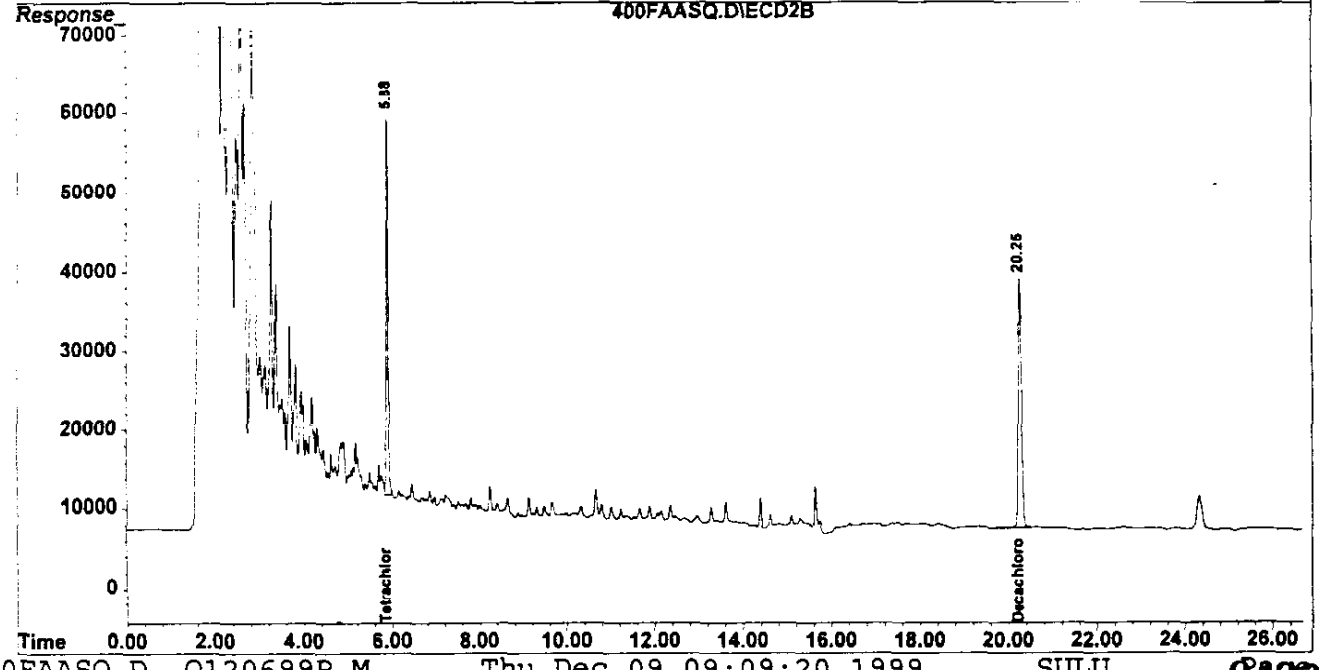
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U
72-55-9	4,4'-DDE	3.9	U
60-57-1	Dieldrin	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
50-29-3	4,4'-DDT	3.9	U
7421-36-3	Endrin Aldehyde	3.9	U
1031-07-8	Endosulfan Sulfate	3.9	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin Ketone	3.9	U
8001-35-2	Toxaphene	190	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\400FAASQ.D\ECD1A.CH Vial: 12
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\400FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 11:55 pm Operator: TS
Sample : 9913266 Inst : SQ7
Misc : 683-SEW1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:14 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\400FAASQ.D\ECD1A.CH Vial: 12
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\400FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 11:55 pm Operator: TS
Sample : 9913266 Inst : SQ7
Misc : 683-SEW1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:14 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial·Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1611016	1329718	33.854m	37.880m
Spiked Amount 60.000 Range 30 - 150 Recovery =					56.42%	63.13%
22) S Decachlorobiphen	17.12	20.26	1564556	1622465	42.604	44.901
Spiked Amount 60.000 Range 30 - 150 Recovery =					71.01%	74.84%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW2

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913267

Sample wt/vol: 30 (g/ml) G Lab File ID: 403FAASQ.D

% Moisture: 17 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

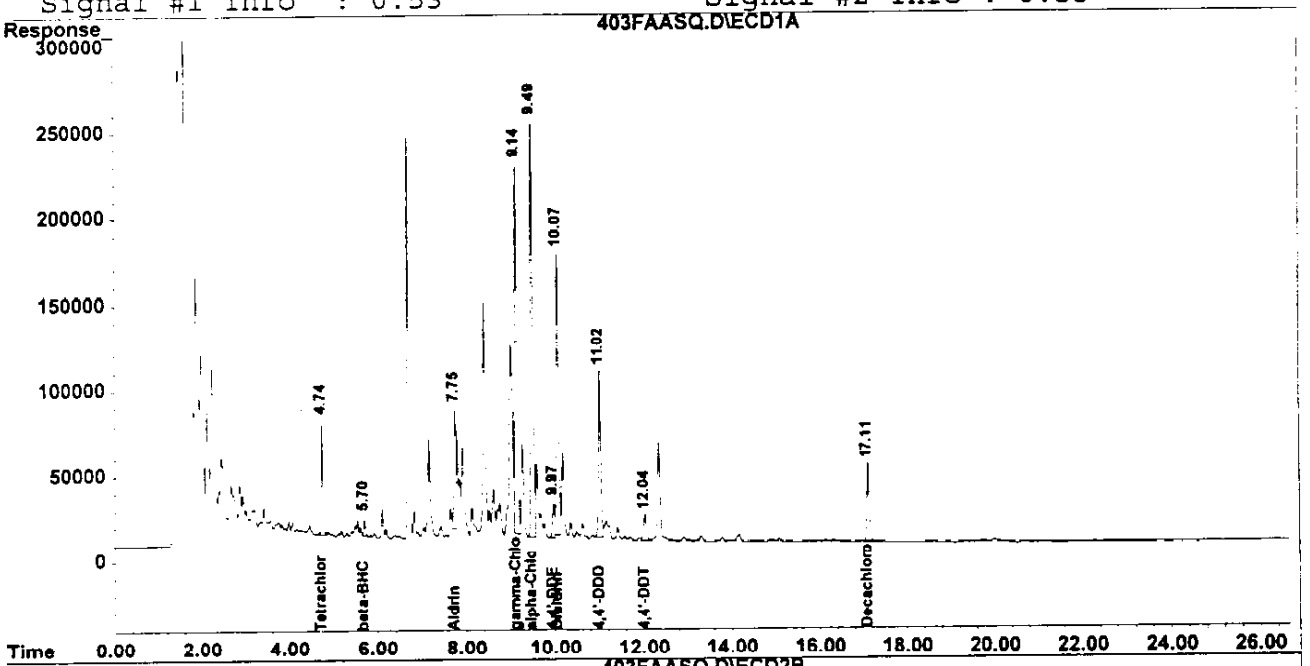
GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

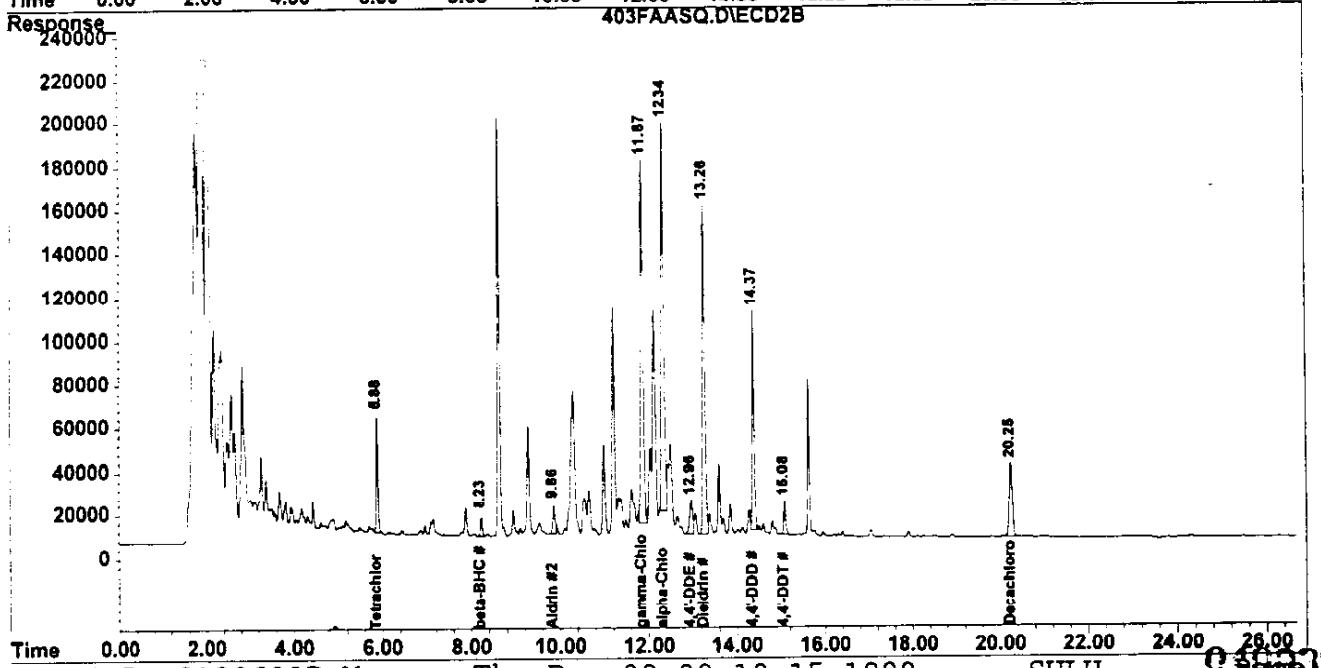
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	4.4	P
319-85-7	beta-BHC	3.2	P
319-86-8	delta-BHC	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
5103-74-2	gamma-Chlordane	64	E
5103-71-9	alpha-Chlordane	74	E
72-55-9	4,4'-DDE	6.7	P
60-57-1	Dieldrin	58	
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	46	
50-29-3	4,4'-DDT	9.1	
7421-36-3	Endrin Aldehyde	4.0	U
1031-07-8	Endosulfan Sulfate	4.0	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin Ketone	4.0	U
8001-35-2	Toxaphene	200	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\403FAASQ.D\ECD1A.CH Vial: 15
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\403FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 1:26 am Operator: TS
Sample : 9913267 Inst : SQ7
Misc : 683-SEW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:23 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\403FAASQ.D\ECD1A.CH Vial: 15
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\403FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 1:26 am Operator: TS
Sample : 9913267 Inst : SQ7
Misc : 683-SEW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:23 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.74	5.88	1782092	1446474	37.449m	41.206m
	Spiked Amount 60.000 Range 30 - 150 Recovery =					62.42%	68.68%
22)	S Decachlorobiphen	17.12	20.25	1639158	1732865	44.635	47.956m
	Spiked Amount 60.000 Range 30 - 150 Recovery =					74.39%	79.93%
	Target Compounds						
5)	MB Aldrin	7.75	9.86	2347051	434233	47.177m	10.998m#
6)	B beta-BHC	5.70	8.23	231785	267319	8.070m	11.955m#
	B gamma-Chlordane	9.14	11.87	7821488	6882358	158.408m	175.130m
	B alpha-Chlordane	9.49	12.34	9094905	7389017	183.469m	185.433m
12)	B 4,4'-DDE	9.97	12.96	743845	774335	16.756m	21.632m#
13)	MA Dieldrin	10.07	13.26	6119504	5712891	144.359m	163.637m
16)	A 4,4'-DDD	11.02	14.37	3593723	3212865	115.008m	122.814m
17)	MA 4,4'-DDT	12.04	15.08	639729	505967	22.641m	23.578m
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual in

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW2DL

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913267x4

Sample wt/vol: 30 (g/ml) G Lab File ID: 423FAASQ.D

% Moisture: 17 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

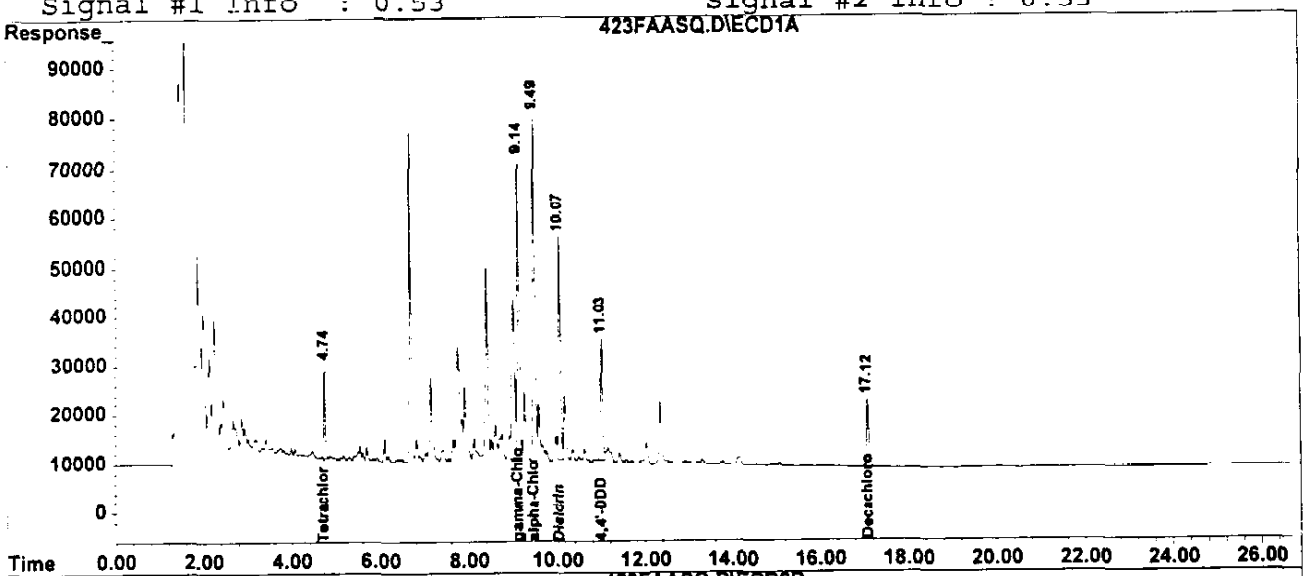
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.0	U
58-89-9	gamma-BHC	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
1024-57-3	Heptachlor Epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
5103-74-2	gamma-Chlordane	68	
5103-71-9	alpha-Chlordane	80	
72-55-9	4,4'-DDE	16	U
60-57-1	Dieldrin	59	
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	45	
50-29-3	4,4'-DDT	16	U
7421-36-3	Endrin Aldehyde	16	U
1031-07-8	Endosulfan Sulfate	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin Ketone	16	U
8001-35-2	Toxaphene	800	U

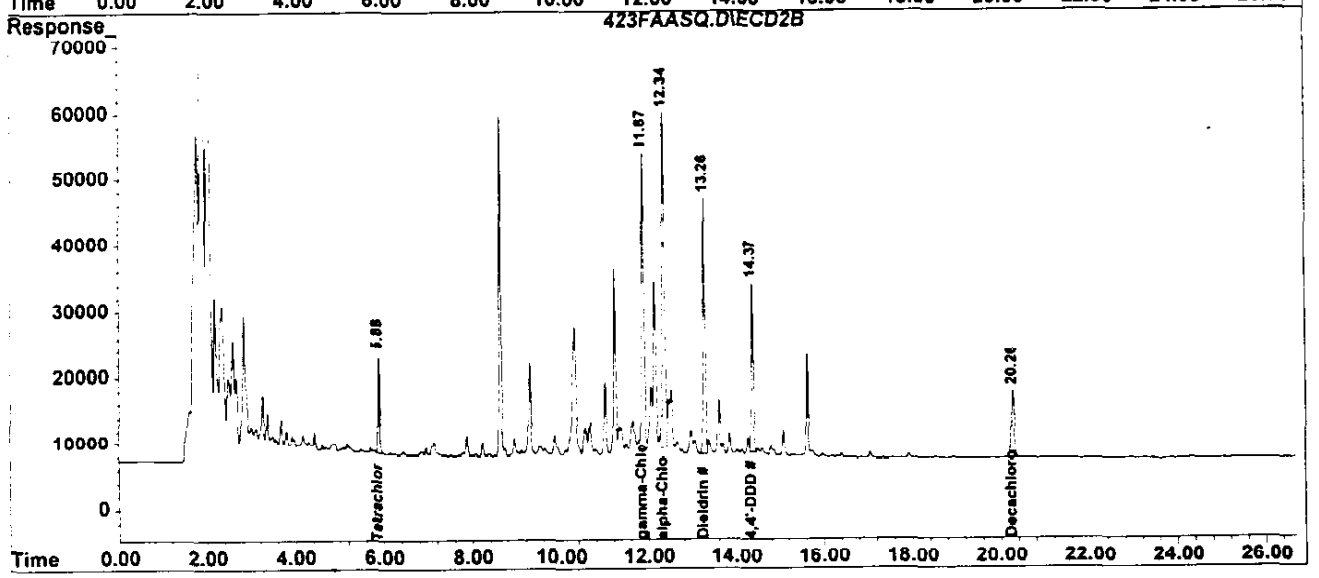
Data File : O:\ORG\SVOA\ECD\SQ7\06DEC99\423FAASQ.D\ECD1A.CH Vial: 35
Acq On : 9 Dec 1999 12:27 pm Operator: TS
Sample : 9913267x4 Inst : SQ7
Misc : 683-SEW2Dl Multiplr: 1.00
IntFile : events.e

Data File : O:\ORG\SVOA\ECD\SQ7\06DEC99\423FAASQ.D\ECD2B.CH Vial: 35
Acq On : 9 Dec 1999 12:27 pm Operator: TS
Sample : 9913267x2 Inst : SQ7
Misc : 683-SEW2Dl Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Dec 9 12:59 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Data File : O:\ORG\SVOA\ECD\SQ7\06DEC99\423FAASQ.D\ECD1A.CH Vial: 35
Acq On : 9 Dec 1999 12:27 pm Operator: TS
Sample : 9913267x4 Inst : SQ7
Misc : 683-SEW2D1 Multiplr: 1.00
IntFile : events.e

Data File : O:\ORG\SVOA\ECD\SQ7\06DEC99\423FAASQ.D\ECD2B.CH Vial: 35
Acq On : 9 Dec 1999 12:27 pm Operator: TS
Sample : 9913267x2 Inst : SQ7
Misc : 683-SEW2D1 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Dec 9 12:59 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	475363	387371	9.989m	11.035m
Spiked Amount 60.000 Range 30 - 150 Recovery =					16.65%#	18.39%#
22) S Decachlorobiphen	17.12	20.26	480770	523385	13.092	14.484
Spiked Amount 60.000 Range 30 - 150 Recovery =					21.82%#	24.14%#
Target Compounds						
10) B gamma-Chlordane	9.14	11.87	2092669	1803654	42.383m	45.896m
11) B alpha-Chlordane	9.49	12.34	2461381	2109931	49.653m	52.950m
13) MA Dieldrin	10.07	13.26	1561609	1395507	36.838m	39.972m
16) A 4,4'-DDD	11.03	14.37	872361	786735	27.918m	30.073m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SWW1A

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913268

Sample wt/vol: 30 (g/ml) G Lab File ID: 404FAASQ.D

% Moisture: 21 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

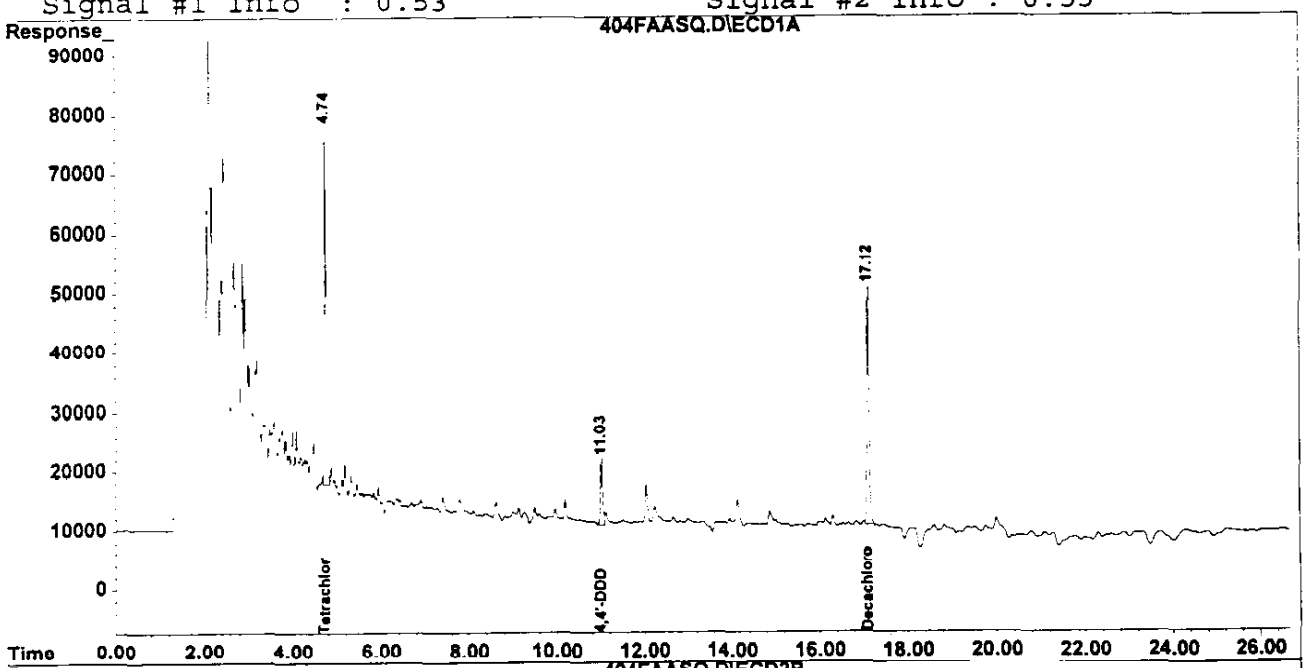
CONCENTRATION UNITS:

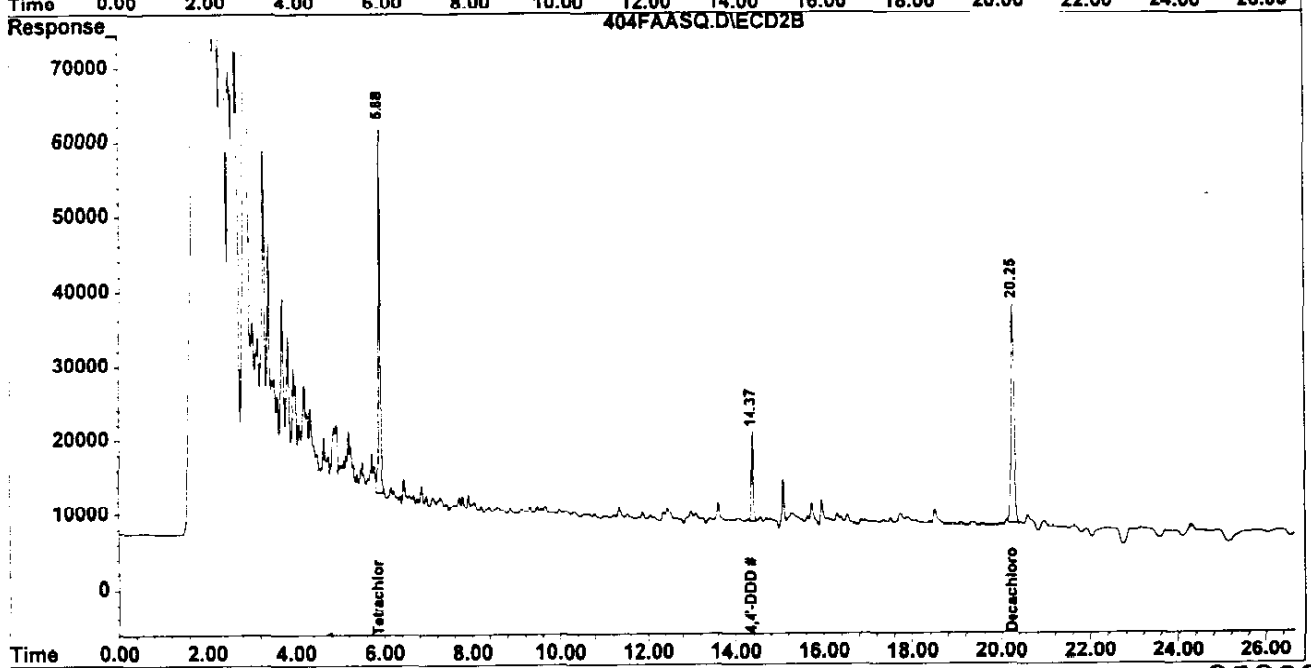
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U
72-55-9	4,4'-DDE	4.2	U
60-57-1	Dieldrin	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	5.5	
50-29-3	4,4'-DDT	4.2	U
7421-36-3	Endrin Aldehyde	4.2	U
1031-07-8	Endosulfan Sulfate	4.2	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin Ketone	4.2	U
8001-35-2	Toxaphene	210	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\404FAASQ.D\ECD1A.CH Vial: 16
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\404FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 1:56 am Operator: TS
Sample : 9913268 Inst : SQ7
Misc : 683-SWW1A Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:26 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\404FAASQ.D\ECD1A.CH Vial: 16
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\404FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 1:56 am Operator: TS
Sample : 9913268 Inst : SQ7
Misc : 683-SWW1A Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:26 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1634422	1395433	34.346m	39.752m
Spiked Amount 60.000 Range 30 - 150 Recovery =					57.24%	66.25%
22) S Decachlorobiphen	17.12	20.25	1413888	1483963	38.501m	41.068m
Spiked Amount 60.000 Range 30 - 150 Recovery =					64.17%	68.45%
Target Compounds						
16) A 4,4'-DDD	11.03	14.37	405367	379777	12.973m	14.517m
Sum Aroclor-1016			0	0	N.D.	N.D.
rage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
404FAASQ.D Q120699P.M Thu Dec 09 09:10:27 1999 SULU

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-NWW2

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913269

Sample wt/vol: 30 (g/ml) G Lab File ID: 405FAASQ.D

% Moisture: 15 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

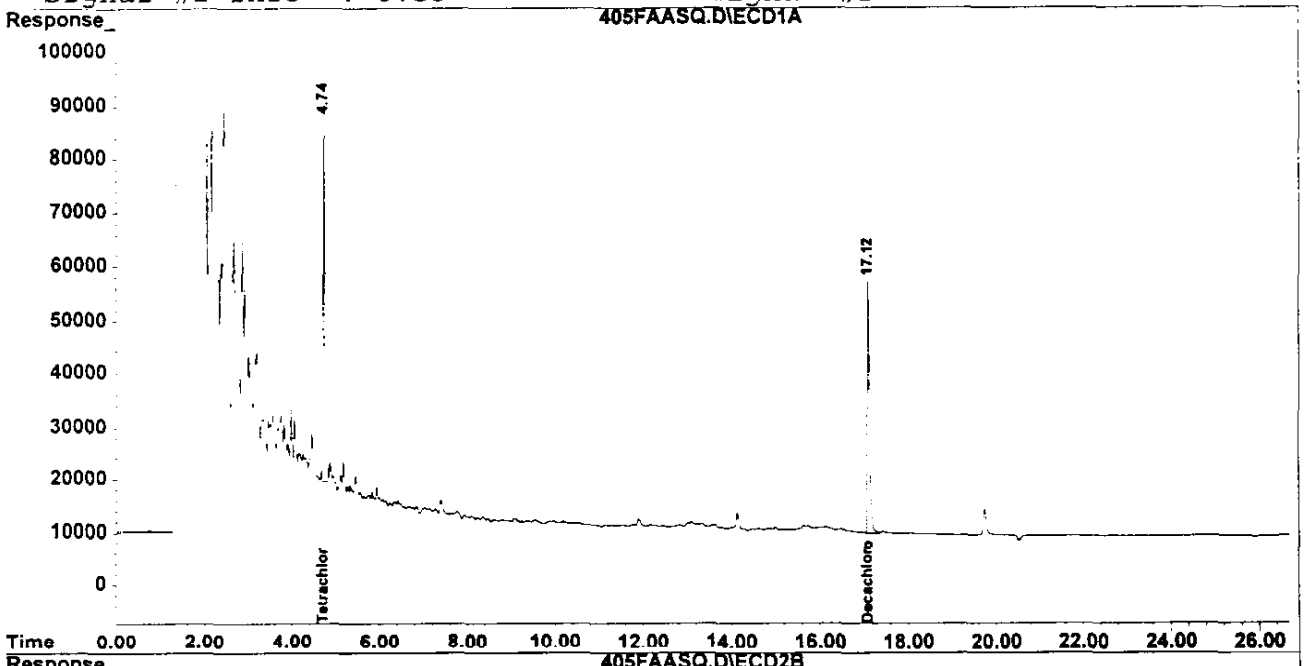
CONCENTRATION UNITS:

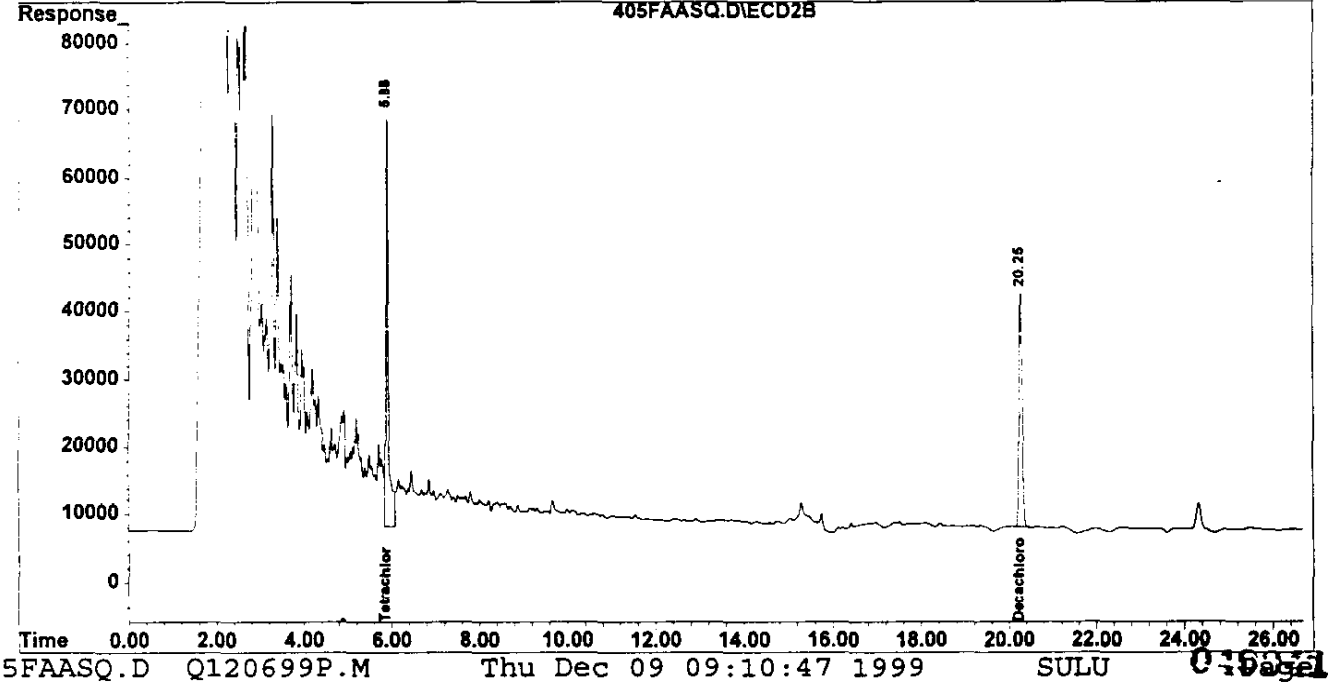
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U
72-55-9	4,4'-DDE	3.9	U
60-57-1	Dieldrin	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
50-29-3	4,4'-DDT	3.9	U
7421-36-3	Endrin Aldehyde	3.9	U
1031-07-8	Endosulfan Sulfate	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin Ketone	3.9	U
8001-35-2	Toxaphene	200	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\405FAASQ.D\ECD1A.CH Vial: 17
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\405FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 2:26 am Operator: TS
Sample : 9913269 Inst : SQ7
Misc : 683-NWW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:29 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\405FAASQ.D\ECD1A.CH Vial: 17
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\405FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 2:26 am Operator: TS
Sample : 9913269 Inst : SQ7
Misc : 683-NWW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:29 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	1892994	2442723	39.780m	69.587 #
Spiked Amount 60.000 Range 30 - 150 Recovery =					66.30%	115.98%
22) S Decachlorobiphen	17.12	20.25	1736557	1741148	47.287	48.185
Spiked Amount 60.000 Range 30 - 150 Recovery =					78.81%	80.31%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-NEW2

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913270

Sample wt/vol: 30.1 (g/ml) G Lab File ID: 406FAASQ.D

% Moisture: 10 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

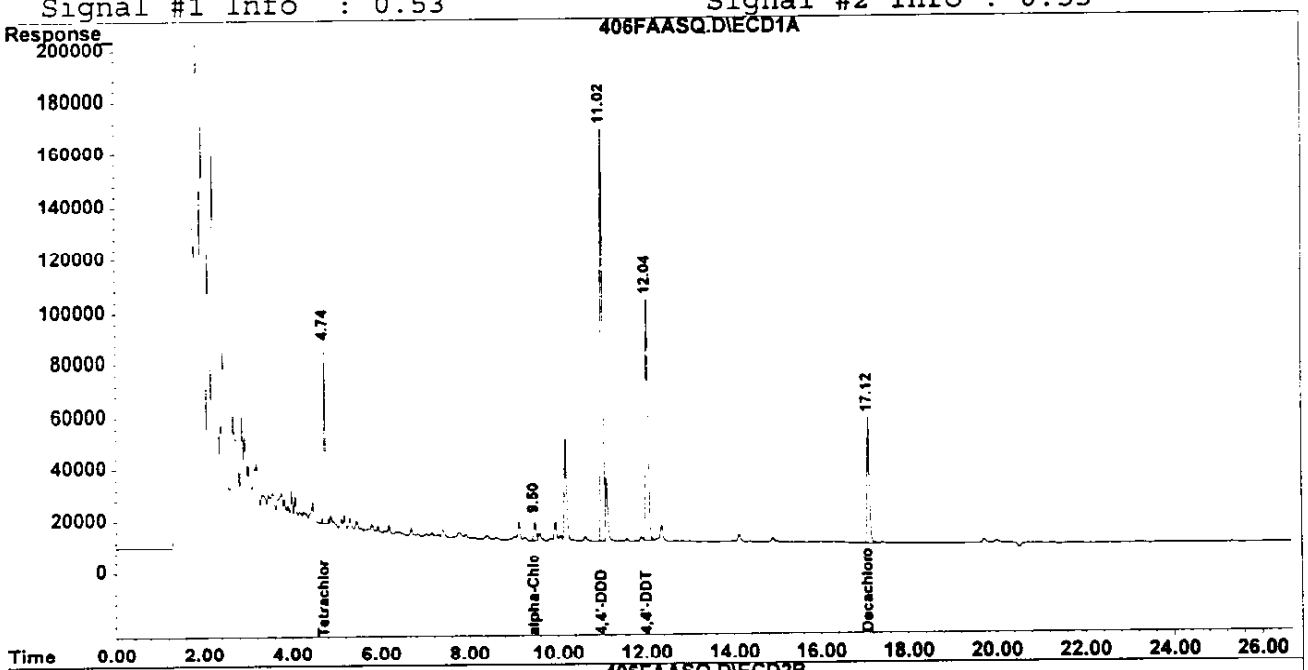
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
58-89-9	gamma-BHC	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8 ~~1.5~~	~~5~~ U
72-55-9	4,4'-DDE	3.7	U
60-57-1	Dieldrin	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	70	E
50-29-3	4,4'-DDT	49	
7421-36-3	Endrin Aldehyde	3.7	U
1031-07-8	Endosulfan Sulfate	3.7	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin Ketone	3.7	U
8001-35-2	Toxaphene	180	U

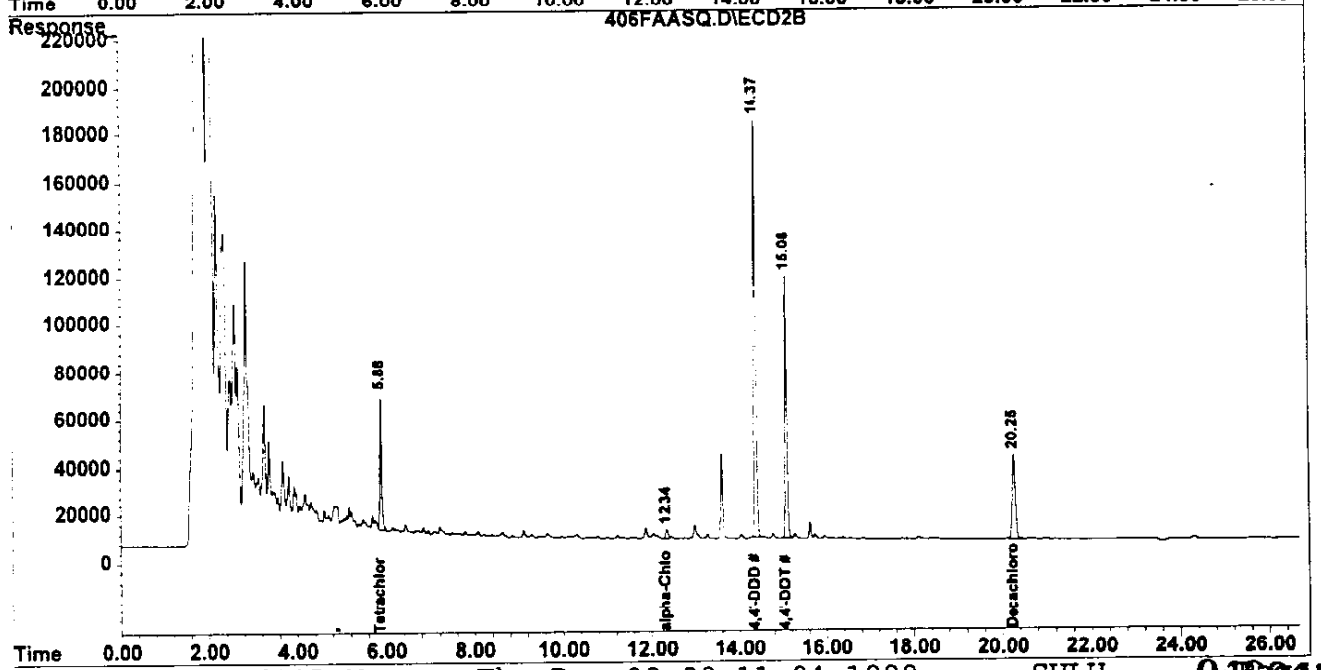
12/09/99

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\406FAASQ.D\ECD1A.CH Vial: 18
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\406FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 2:56 am Operator: TS
Sample : 9913270 Inst : SQ7
Misc : 683-NEW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:32 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\406FAASQ.D\ECD1A.CH Vial: 18
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\406FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 2:56 am Operator: TS
Sample : 9913270 Inst : SQ7
Misc : 683-NEW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:32 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1851541	1579093	38.909m	44.984m
Spiked Amount 60.000 Range 30 - 150 Recovery =					64.85%	74.97%
22) S Decachlorobiphen	17.12	20.26	1751084	1814715	47.683	50.221
Spiked Amount 60.000 Range 30 - 150 Recovery =					79.47%	83.70%
Target Compounds						
~~11) B alpha-Chlordane~~	~~9.50~~	~~12.34~~	~~262301~~	~~157107~~	~~5.291m~~	~~3.943m#~~
16) A 4,4'-DDD	11.02	14.37	5918565	5748235	189.409m	219.730m
MA 4,4'-DDT	12.04	15.08	3737583	3361603	132.279m	156.653m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
rage Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int 040044

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-NEW2DL

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913270x2

Sample wt/vol: 30.1 (g/ml) G Lab File ID: 421FAASQ.D

% Moisture: 10 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup. (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

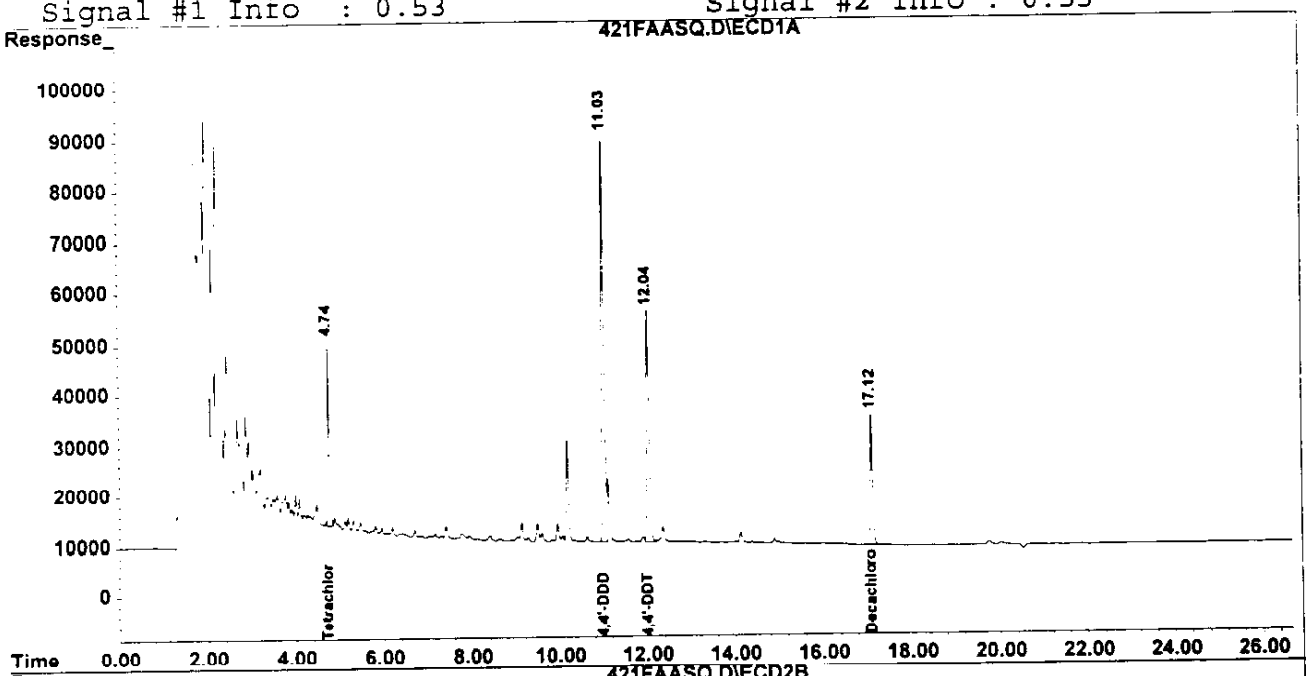
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

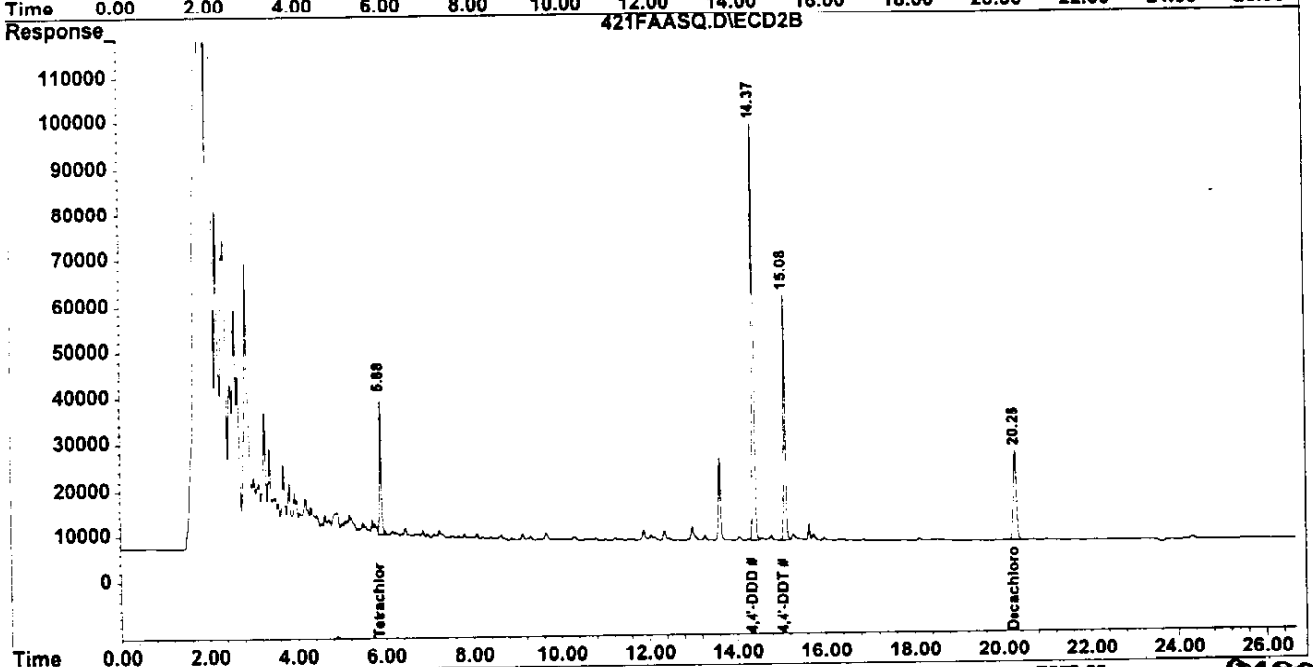
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	3.7	U
58-89-9	gamma-BHC	3.7	U
76-44-8	Heptachlor	3.7	U
309-00-2	Aldrin	3.7	U
319-85-7	beta-BHC	3.7	U
319-86-8	delta-BHC	3.7	U
1024-57-3	Heptachlor Epoxide	3.7	U
959-98-8	Endosulfan I	3.7	U
5103-74-2	gamma-Chlordane	3.7	U
5103-71-9	alpha-Chlordane	3.7	U
72-55-9	4,4'-DDE	7.4	U
60-57-1	Dieldrin	7.4	U
72-20-8	Endrin	7.4	U
33213-65-9	Endosulfan II	7.4	U
72-54-8	4,4'-DDD	69	
50-29-3	4,4'-DDT	49	
7421-36-3	Endrin Aldehyde	7.4	U
1031-07-8	Endosulfan Sulfate	7.4	U
72-43-5	Methoxychlor	37	U
53494-70-5	Endrin Ketone	7.4	U
8001-35-2	Toxaphene	370	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\421FAASQ.D\ECD1A.CH Vial: 33
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\421FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 11:27 am Operator: TS
Sample : 9913270x2 Inst : SQ7
Misc : 683-NEW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:40 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\421FAASQ.D\ECD1A.CH Vial: 33
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\421FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 11:27 am Operator: TS
Sample : 9913270x2 Inst : SQ7
Misc : 683-NEW2 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:40 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	968280	824924	20.348m	23.500m
Spiked Amount 60.000 Range 30 - 150 Recovery =					33.91%	39.17%
22) S Decachlorobiphen	17.12	20.26	916935	972345	24.969	26.909
Spiked Amount 60.000 Range 30 - 150 Recovery =					41.62%	44.85%
Target Compounds						
16) A 4,4'-DDD	11.03	14.38	2937894	2921988	94.020	111.695
17) MA 4,4'-DDT	12.05	15.08	1868773	1613756	66.139	75.202
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
421FAASQ.D Q120699P.M Thu Dec 09 12:52:19 1999 SULU

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-G4W

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913271

Sample wt/vol: 30 (g/ml) G Lab File ID: 407FAASQ.D

% Moisture: 24 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

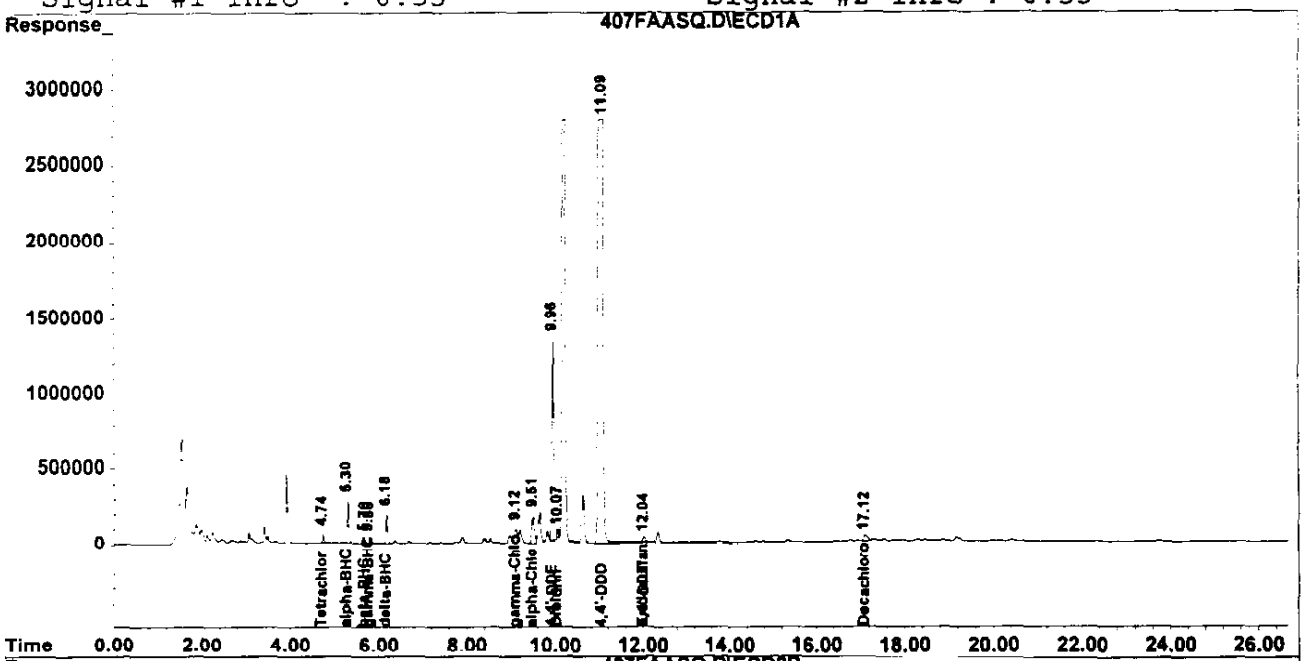
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

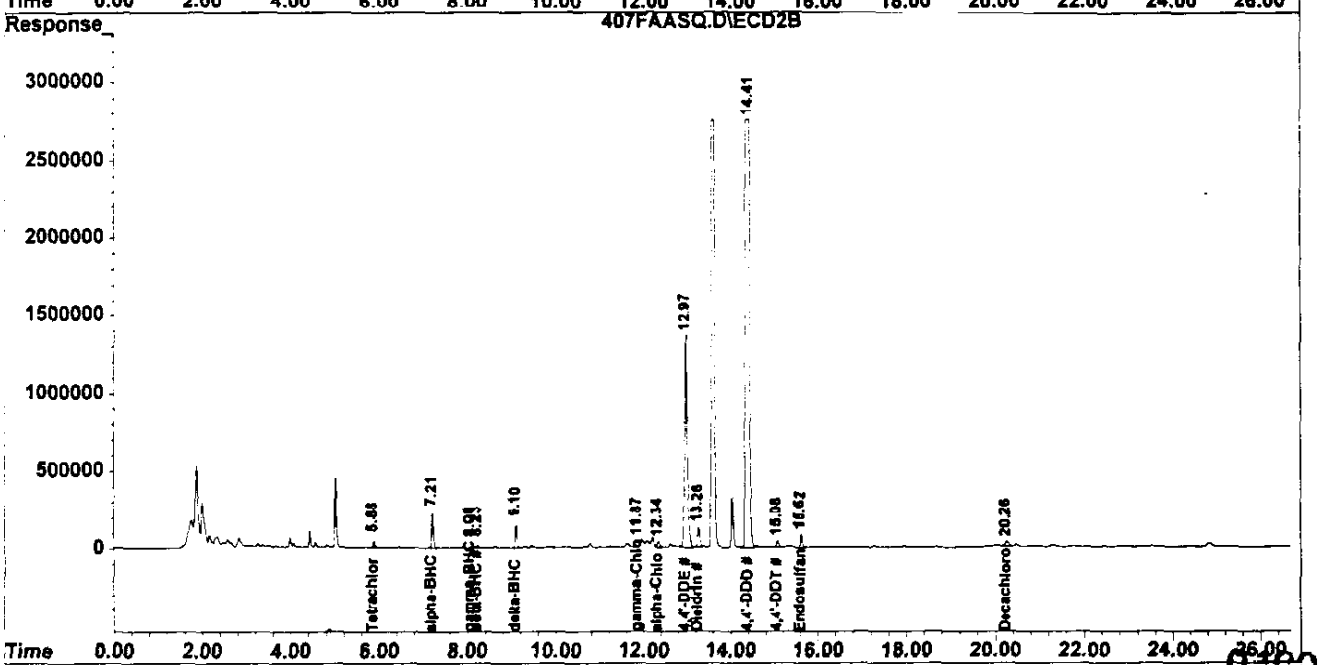
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	51	E
58-89-9	gamma-BHC	3.4	P
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	7.7	
319-86-8	delta-BHC	46	E
1024-57-3	Heptachlor Epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
5103-74-2	gamma-Chlordane	16	P
5103-71-9	alpha-Chlordane	17	P
72-55-9	4,4'-DDE	480	EP
60-57-1	Dieldrin	13	P
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	3300	E
50-29-3	4,4'-DDT	23	P
7421-36-3	Endrin Aldehyde	4.4	U
1031-07-8	Endosulfan Sulfate	39	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin Ketone	4.4	U
8001-35-2	Toxaphene	220	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\407FAASQ.D\ECD1A.CH Vial: 19
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\407FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 3:26 am Operator: TS
Sample : 9913271 Inst : SQ7
Misc : 683-G4W Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:36 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\407FAASQ.D\ECD1A.CH Vial: 19
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\407FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 3:26 am Operator: TS
Sample : 9913271 Inst : SQ7
Misc : 683-G4W Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:36 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	4.74	5.88	1388167	1091639	29.171m	31.098m
		Spiked Amount 60.000 Range 30 - 150 Recovery =					48.62%	51.83%
22)	S	Decachlorobiphen	17.12	20.26	2431112	1772694	66.201m	49.058m#
		Spiked Amount 60.000 Range 30 - 150 Recovery =					110.34%	81.76%
		Target Compounds						
2)	A	alpha-BHC	5.30	7.21	6956418	6364585	116.291m	141.149m
3)	MA	gamma-BHC	5.80	8.08	419523	509391	7.774m	12.329 #
	B	beta-BHC	5.70	8.23	501839	451962	17.472m	20.213m
	B	delta-BHC	6.18	9.10	5498822	4769730	104.314	119.802
10)	B	gamma-Chlordane	9.12	11.87	3479631	1467011	70.473m	37.330m#
11)	B	alpha-Chlordane	9.51	12.34	7465240	1508333	150.594	37.853m#
12)	B	4,4'-DDE	9.96	12.97	48602196	58213181	1094.844m	1626.230 #
13)	MA	Dieldrin	10.07	13.26	1284147	4700700	30.293m	134.644m#
16)	A	4,4'-DDD	11.08f	14.42f	235.2E6	204.4E6	7526.276	7813.689
17)	MA	4,4'-DDT	12.04	15.08	1464062	1566988	51.815m	73.023 #
19)	B	Endosulfan Sulfa	12.04f	15.62f	1391493	2542278	38.077m	89.915 #
		Sum Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
		Sum Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
		Sum Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
		Sum Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
		Sum Aroclor-1248			0	0	N.D.	N.D.
		Average Aroclor-1248					0.000	0.000
		Sum Aroclor-1254			0	0	N.D.	N.D.
		Average Aroclor-1254					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-G4WDL

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913271x300

Sample wt/vol: 30 (g/ml) G Lab File ID: 419FAASQ.D

% Moisture: 24 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 300.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	54	J
58-89-9	gamma-BHC	660	U
76-44-8	Heptachlor	660	U
309-00-2	Aldrin	660	U
319-85-7	beta-BHC	660	U
319-86-8	delta-BHC	41	J
1024-57-3	Heptachlor Epoxide	660	U
959-98-8	Endosulfan I	660	U
5103-74-2	gamma-Chlordane	660	U
5103-71-9	alpha-Chlordane	660	U
72-55-9	4,4'-DDE	610	J
60-57-1	Dieldrin	1300	U
72-20-8	Endrin	1300	U
33213-65-9	Endosulfan II	1300	U
72-54-8	4,4'-DDD	20000	
50-29-3	4,4'-DDT	1300	U
7421-36-3	Endrin Aldehyde	1300	U
1031-07-8	Endosulfan Sulfate	1300	U
72-43-5	Methoxychlor	6600	U
53494-70-5	Endrin Ketone	1300	U
8001-35-2	Toxaphene	66000	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\419FAASQ.D\ECD1A.CH Vial: 31
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\419FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 10:26 am Operator: TS
Sample : 9913271x300 Inst : SQ7
Misc : 683-G4WDL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 10:57 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

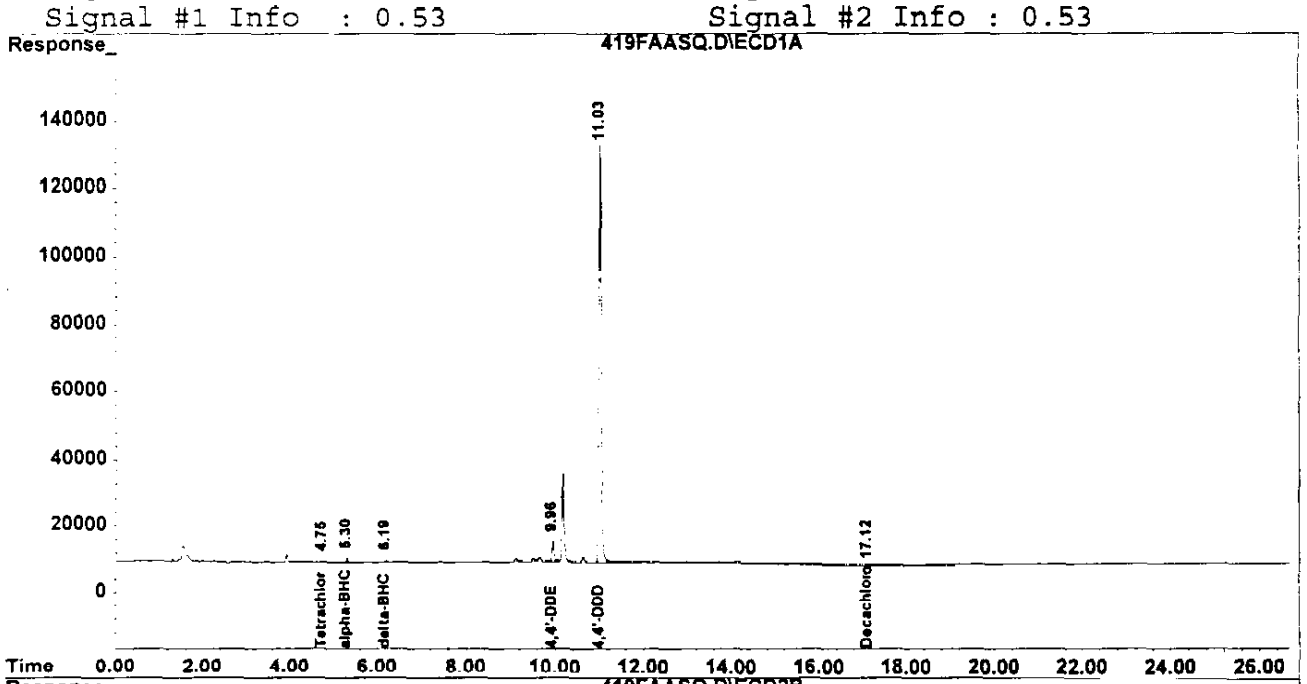
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.75	5.89	3447	6309	0.072m	0.180m#
Spiked Amount 60.000 Range 30 - 150 Recovery =					0.12%#	0.30%#
22) S Decachlorobiphen	17.12	20.27	17777	14322	0.484	0.396
Spiked Amount 60.000 Range 30 - 150 Recovery =					0.81%#	0.66%#
Target Compounds						
2) A alpha-BHC	5.30	7.21	24692	19317	0.413m	0.428
7) B delta-BHC	6.19	9.10	16561	13611	0.314m	0.342m
B 4,4'-DDE	9.96	12.97	206392	248150	4.649	6.932m#
A 4,4'-DDD	11.03	14.38	4701302	4151864	150.454	158.708
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

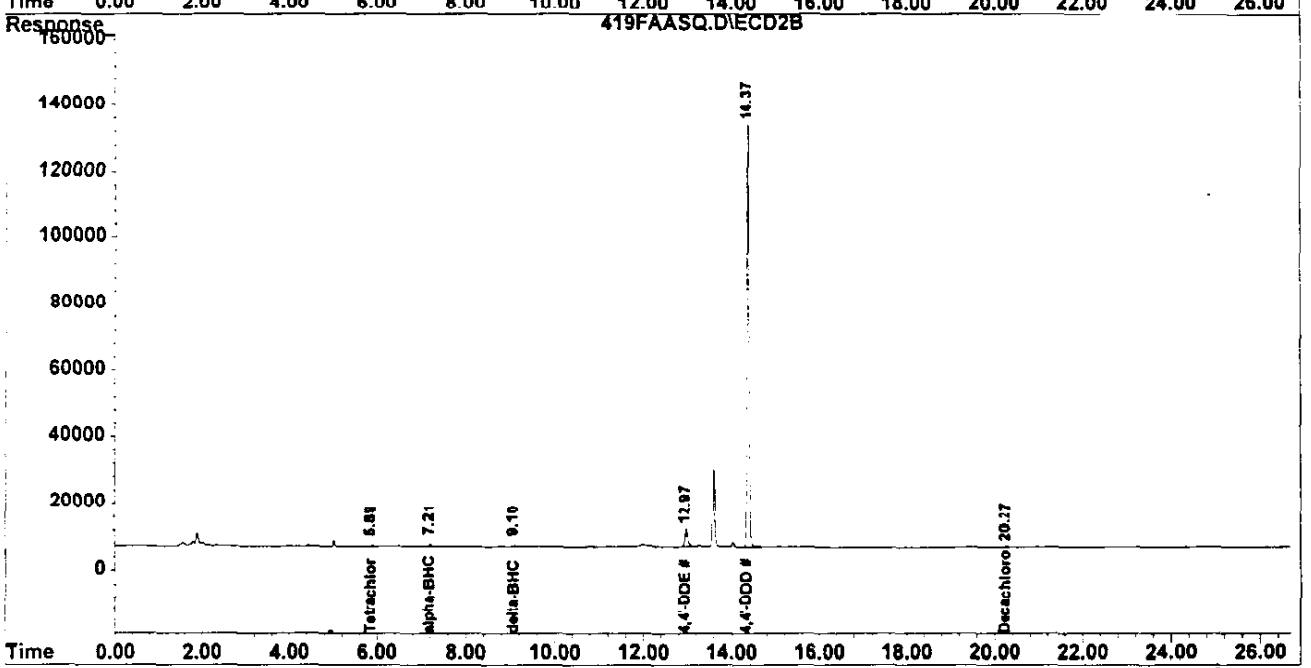
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int 010052

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\419FAASQ.D\ECD1A.CH Vial: 31
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\419FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 10:26 am Operator: TS
Sample : 9913271x300 Inst : SQ7
Misc : 683-G4WDL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 10:57 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-H5W

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913272

Sample wt/vol: 30 (g/ml) G Lab File ID: 408FAASQ.D

% Moisture: 18 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

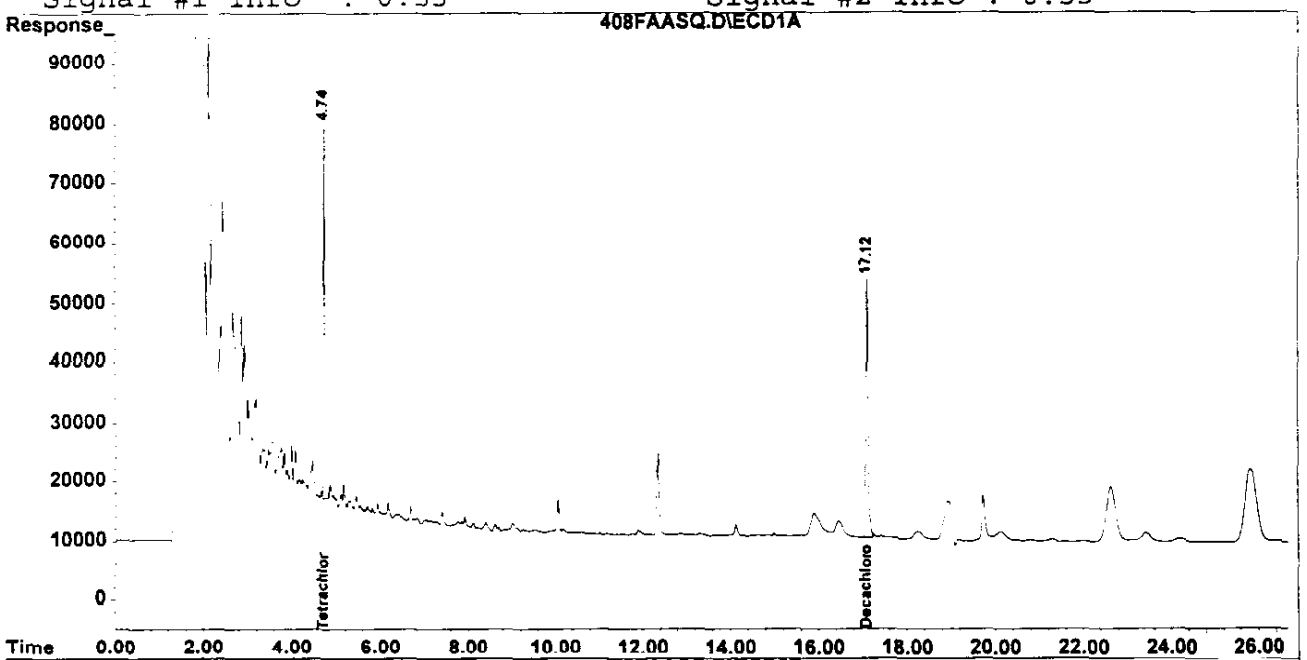
CONCENTRATION UNITS:

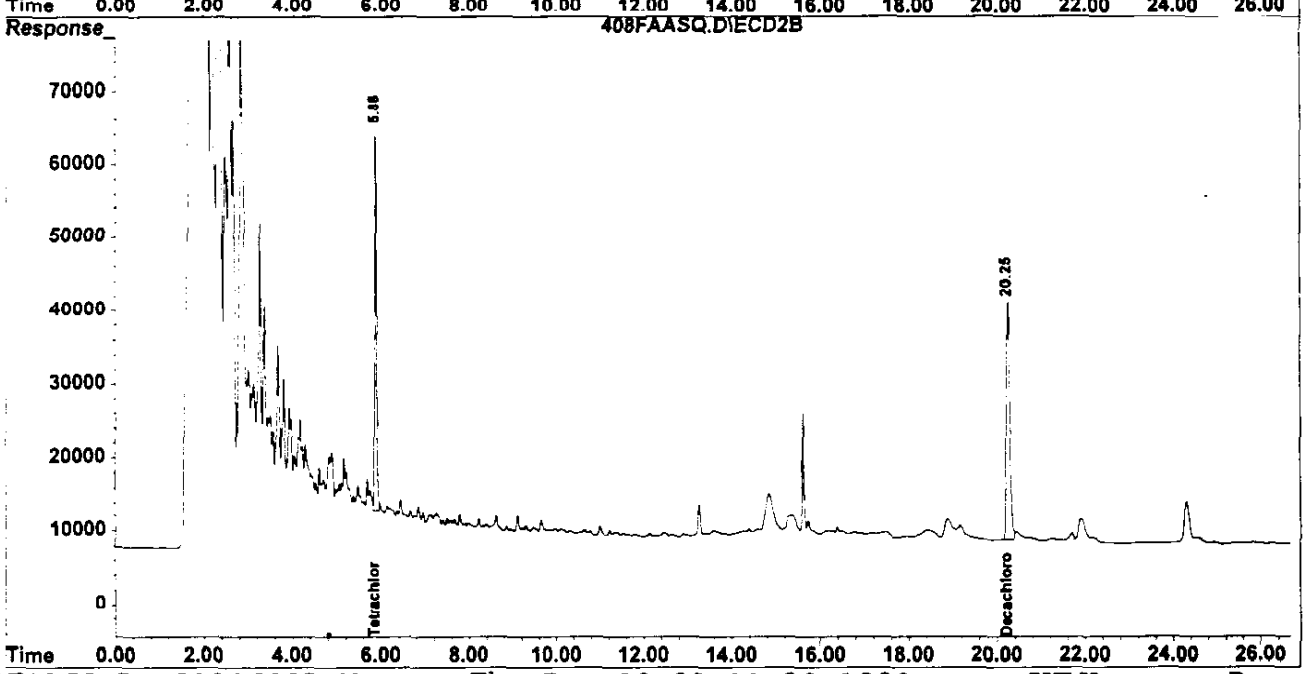
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U
72-55-9	4,4'-DDE	4.1	U
60-57-1	Dieldrin	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
50-29-3	4,4'-DDT	4.1	U
7421-36-3	Endrin Aldehyde	4.1	U
1031-07-8	Endosulfan Sulfate	4.1	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin Ketone	4.1	U
8001-35-2	Toxaphene	200	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\408FAASQ.D\ECD1A.CH Vial: 20
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\408FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 3:57 am Operator: TS
Sample : 9913272 Inst : SQ7
Misc : 683-H5W Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:39 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\408FAASQ.D\ECD1A.CH Vial: 20
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\408FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 3:57 am Operator: TS
Sample : 9913272 Inst : SQ7
Misc : 683-H5W Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:39 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1685232	1464476	35.414m	41.719m
Spiked Amount 60.000 Range 30 - 150 Recovery =					59.02%	69.53%
22) S Decachlorobiphen	17.12	20.25	1559900	1673844	42.477m	46.323m
Spiked Amount 60.000 Range 30 - 150 Recovery =					70.80%	77.21%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G4

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913273

Sample wt/vol: 30 (g/ml) G Lab File ID: 409FAASQ.D

% Moisture: 20 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup. (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

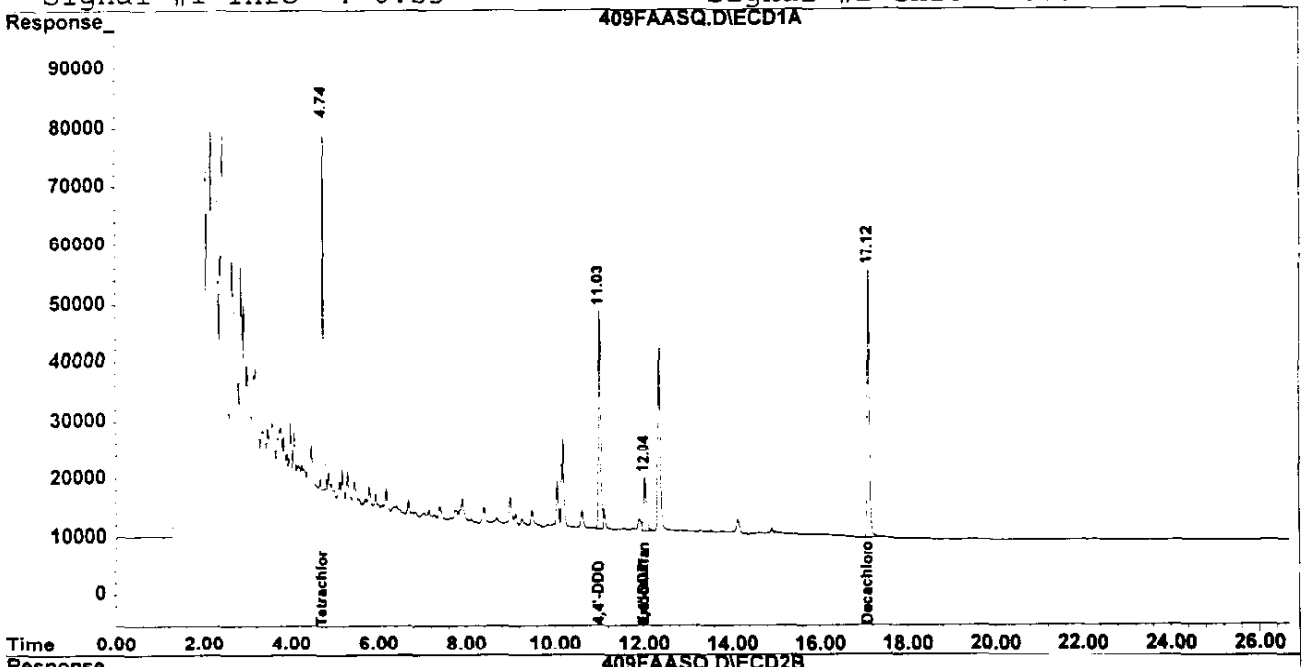
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

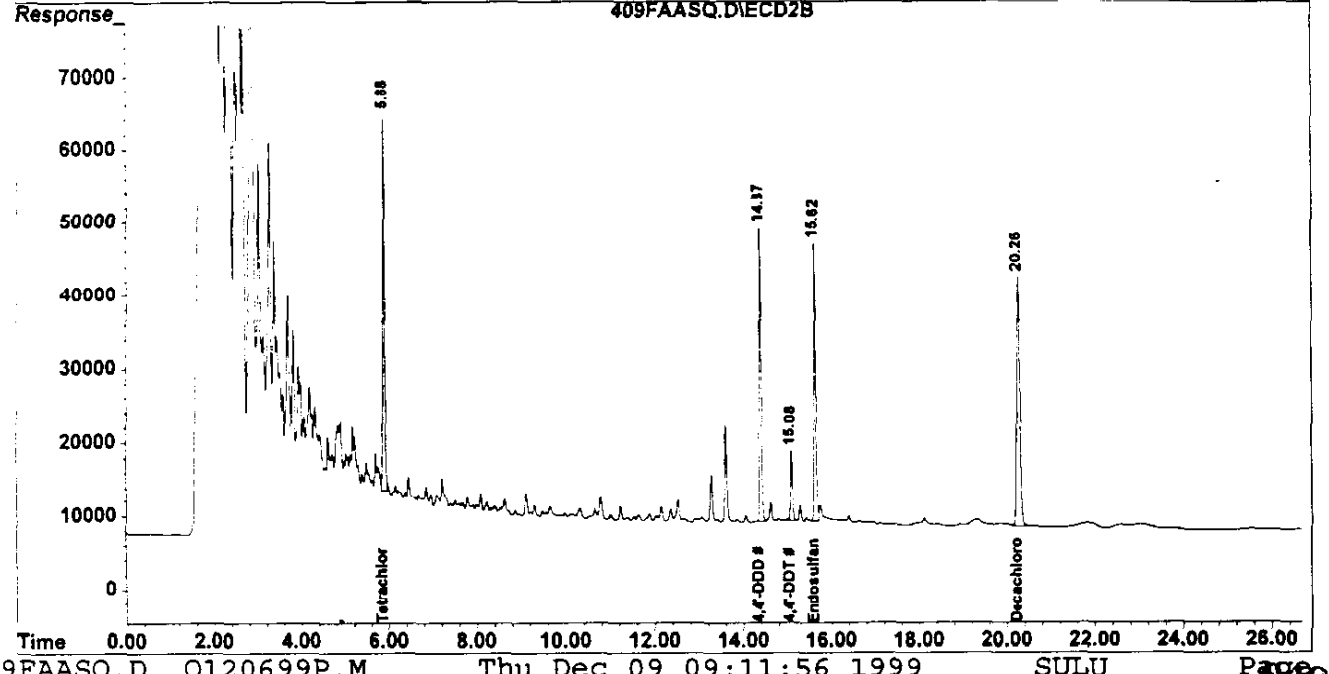
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U
72-55-9	4,4'-DDE	4.2	U
60-57-1	Dieldrin	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	18	
50-29-3	4,4'-DDT	5.7	
7421-36-3	Endrin Aldehyde	4.2	U
1031-07-8	Endosulfan Sulfate	16	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin Ketone	4.2	U
8001-35-2	Toxaphene	210	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\409FAASQ.D\ECD1A.CH Vial: 21
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\409FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 4:27 am Operator: TS
Sample : 9913273 Inst : SQ7
Misc : 683-F-G4 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:41 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\409FAASQ.D\ECD1A.CH Vial: 21
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\409FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 4:27 am Operator: TS
Sample : 9913273 Inst : SQ7
Misc : 683-F-G4 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:41 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1703820	1417637	35.805m	40.385m
Spiked Amount 60.000 Range 30 - 150 Recovery =					59.68%	67.31%
22) S Decachlorobiphen	17.12	20.26	1652969	1721537	45.011	47.643
Spiked Amount 60.000 Range 30 - 150 Recovery =					75.02%	79.41%
Target Compounds						
16) A 4,4'-DDD	11.03	14.37	1323403	1239355	42.352	47.375m
17) MA 4,4'-DDT	12.05	15.08	389853	295865	13.797	13.787m
` B Endosulfan Sulfa	12.05f	15.62f	389853	1087361	10.668	38.457 #
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
rage Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int. 040059

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G5B

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913274

Sample wt/vol: 30 (g/ml) G Lab File ID: 410FAASQ.D

% Moisture: 39 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

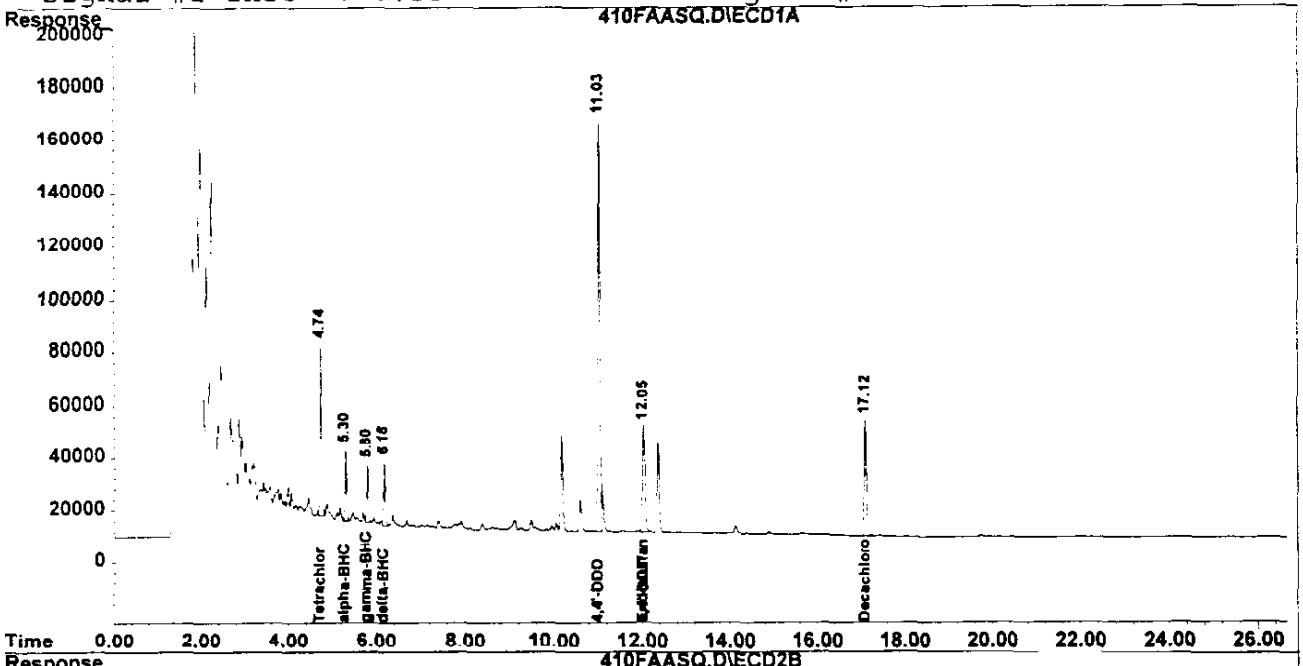
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

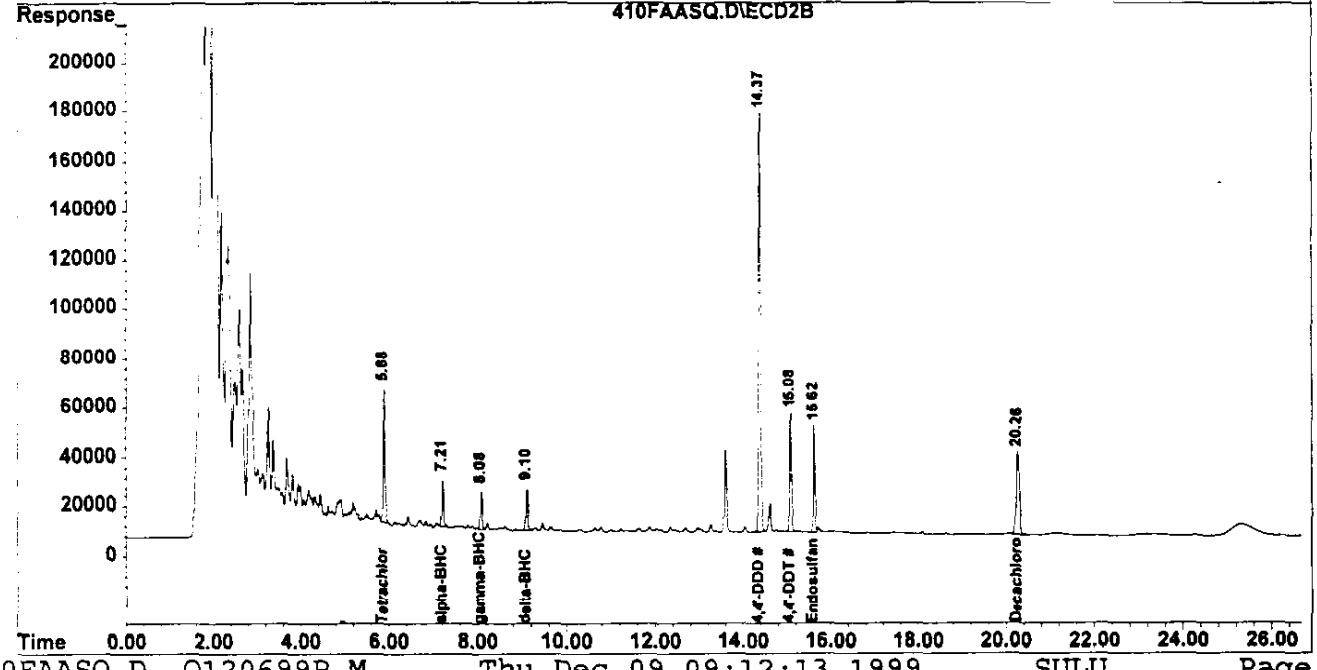
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	6.0	
58-89-9	gamma-BHC	5.5	
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	6.6	
1024-57-3	Heptachlor Epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
5103-71-9	alpha-Chlordane	2.7	U
72-55-9	4,4'-DDE	5.5	U
60-57-1	Dieldrin	5.5	U
72-20-8	Endrin	5.5	U
33213-65-9	Endosulfan II	5.5	U
72-54-8	4,4'-DDD	100	E
50-29-3	4,4'-DDT	32	
7421-36-3	Endrin Aldehyde	5.5	U
1031-07-8	Endosulfan Sulfate	23	
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin Ketone	5.5	U
8001-35-2	Toxaphene	270	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\410FAASQ.D\ECD1A.CH Vial: 22
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\410FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 4:57 am Operator: TS
Sample : 9913274 Inst : SQ7
Misc : 683-F-G5B Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:46 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\410FAASQ.D\ECD1A.CH Vial: 22
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\410FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 4:57 am Operator: TS
Sample : 9913274 Inst : SQ7
Misc : 683-F-G5B Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:46 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.74	5.88	1758690	1488182	36.958m	42.394m
	Spiked Amount 60.000 Range 30 - 150 Recovery =					61.60%	70.66%
22)	S Decachlorobiphen	17.12	20.26	1615093	1723571	43.980	47.699
	Spiked Amount 60.000 Range 30 - 150 Recovery =					73.30%	79.50%
	Target Compounds						
2)	A alpha-BHC	5.30	7.21	659253	536111	11.021m	11.889m
3)	MA gamma-BHC	5.80	8.08	546204	453352	10.121m	10.973m
	` B delta-BHC	6.18	9.10	632728	523764	12.003m	13.155m
	A 4,4'-DDD	11.03	14.37	5855082	5544898	187.378m	211.957m
17)	MA 4,4'-DDT	12.05	15.08	1680405	1453802	59.472	67.748m
19)	B Endosulfan Sulfa	12.05f	15.62f	1680405	1214051	45.983	42.938
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000
	Sum Toxaphene			0	0	N.D.	N.D.
	rage Toxaphene					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

0-0061A

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-F-G5BDL

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913274x2

Sample wt/vol: 30 (g/ml) G Lab File ID: 422FAASQ.D

% Moisture: 39 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

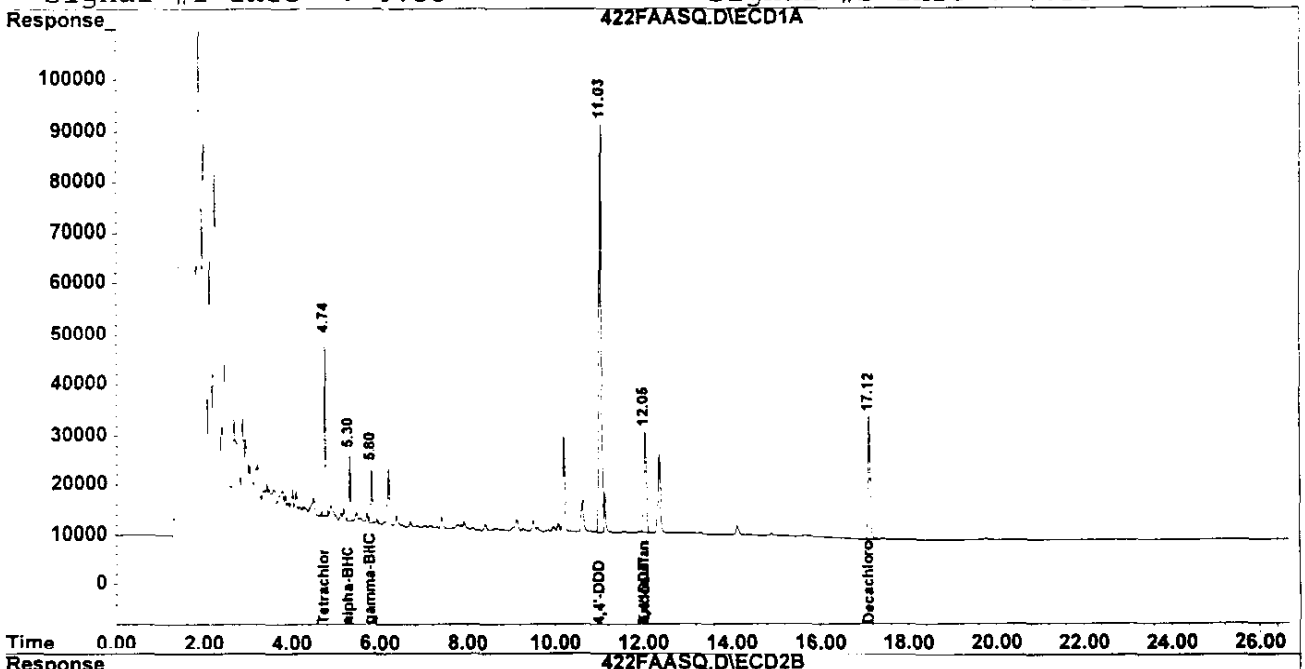
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.8	
58-89-9	gamma-BHC	5.5	
76-44-8	Heptachlor	5.5	U
309-00-2	Aldrin	5.5	U
319-85-7	beta-BHC	5.5	U
319-86-8	delta-BHC	5.5	U
1024-57-3	Heptachlor Epoxide	5.5	U
959-98-8	Endosulfan I	5.5	U
5103-74-2	gamma-Chlordane	5.5	U
5103-71-9	alpha-Chlordane	5.5	U
72-55-9	4,4'-DDE	11	U
60-57-1	Dieldrin	11	U
72-20-8	Endrin	11	U
33213-65-9	Endosulfan II	11	U
72-54-8	4,4'-DDD	100	
50-29-3	4,4'-DDT	32	
7421-36-3	Endrin Aldehyde	11	U
1031-07-8	Endosulfan Sulfate	21	
72-43-5	Methoxychlor	55	U
53494-70-5	Endrin Ketone	11	U
8001-35-2	Toxaphene	550	U

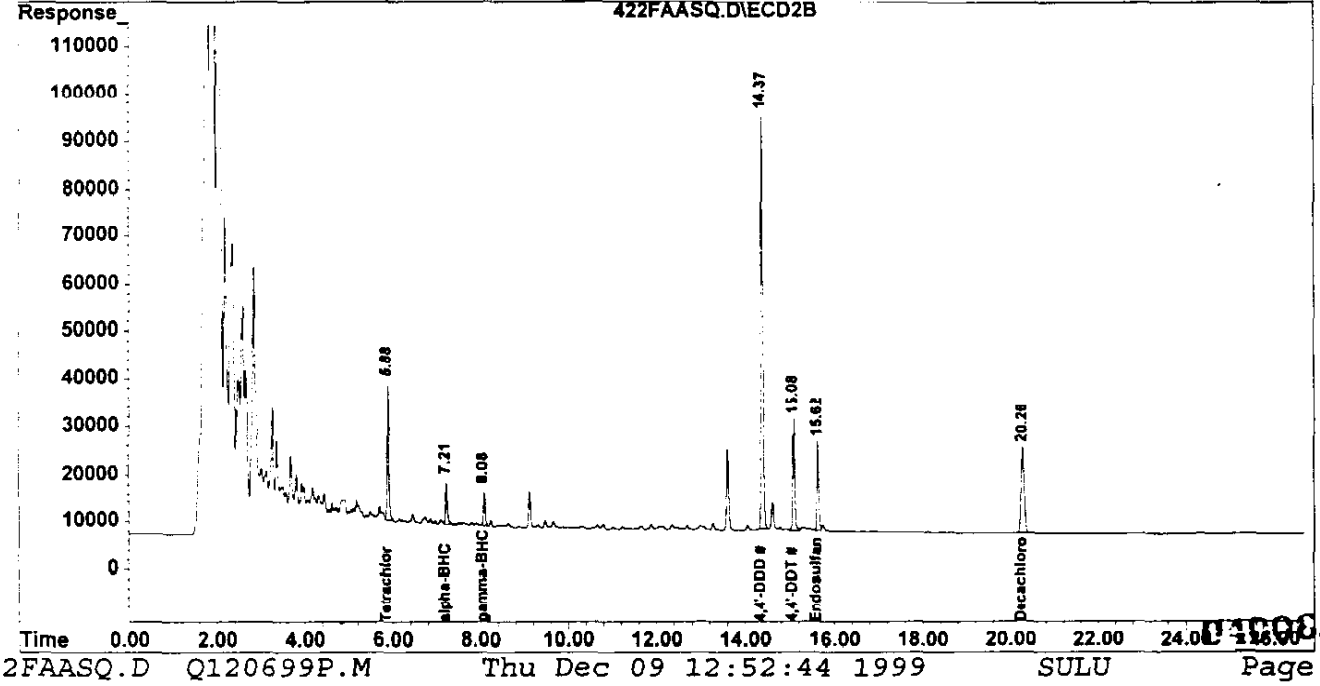
010062

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\422FAASQ.D\ECD1A.CH Vial: 34
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\422FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 11:57 am Operator: TS
Sample : 9913274x2 Inst : SQ7
Misc : 683-F-G5BDL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:45 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\422FAASQ.D\ECD1A.CH Vial: 34
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\422FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 11:57 am Operator: TS
Sample : 9913274x2 Inst : SQ7
Misc : 683-F-G5BDL Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:45 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	932012	782706	19.586m	22.297m
Spiked Amount 60.000 Range 30 - 150 Recovery =					32.64%	37.16%
22) S Decachlorobiphen	17.12	20.26	863387	912099	23.511	25.242
Spiked Amount 60.000 Range 30 - 150 Recovery =					39.19%	42.07%
Target Compounds						
2) A alpha-BHC	5.30	7.21	318255	263438	5.320m	5.842m
3) MA gamma-BHC	5.80	8.08	270278	213779	5.008m	5.174m
A 4,4'-DDD	11.03	14.37	2974042	2770017	95.177m	105.886m
MA 4,4'-DDT	12.05	15.08	815234	730788	28.852m	34.055
19) B Endosulfan Sulfa	12.05f	15.62f	808847	546111	22.134m	19.315
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

C. Standards Data

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration

First Calibration Standard : O:\ORG\SVOA\ECD\SQ7\06DEC99\337FAASQ.D\ECD1A.C
Second Calibration Standard : 339FAASQ.D
Third Calibration Standard : 341FAASQ.D

	Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
1	Tetrachloro-m-xylene	4.739	4.736	4.738	4.738	4.689	4.789
2	alpha-BHC	0.000	0.000	0.000	0.000	-0.049	0.051
3	gamma-BHC	0.000	0.000	0.000	0.000	-0.049	0.051
4	Heptachlor	0.000	0.000	0.000	0.000	-0.049	0.051
5	Aldrin	7.747	7.746	7.748	7.747	7.699	7.799
6	beta-BHC	5.697	5.692	5.693	5.694	5.645	5.745
7	delta-BHC	6.182	6.178	6.179	6.180	6.131	6.231
8	Heptachlor Epoxide	8.598	8.596	8.598	8.597	8.529	8.669
9	Endosulfan I	0.000	0.000	0.000	0.000	-0.069	0.071
10	gamma-Chlordane	9.134	9.132	9.134	9.133	9.065	9.205
11	alpha-Chlordane	9.490	9.488	9.490	9.490	9.421	9.561
12	4,4'-DDE	9.958	9.955	9.956	9.957	9.888	10.028
13	Dieldrin	0.000	0.000	0.000	0.000	-0.069	0.071
14	Endrin	0.000	0.000	0.000	0.000	-0.069	0.071
15	Endosulfan II	10.857	10.854	10.855	10.855	10.787	10.927
16	4,4'-DDD	0.000	0.000	0.000	0.000	-0.068	0.072
17	4,4'-DDT	0.000	0.000	0.000	0.000	-0.068	0.072
18	Endrin Aldehyde	11.340	11.336	11.337	11.338	11.269	11.409
19	Endosulfan Sulfate	11.993	11.990	11.991	11.991	11.923	12.063
20	Methoxychlor	0.000	0.000	0.000	0.000	-0.070	0.070
21	Endrin Ketone	13.316	13.312	13.312	13.314	13.245	13.385
22	Decachlorobiphenyl	17.125	17.123	17.121	17.123	17.025	17.225

Signal #2

First Calibration Standard : O:\ORG\SVOA\ECD\SQ7\06DEC99\337FAASQ.D\ECD2B.C
Second Calibration Standard : O:\ORG\SVOA\ECD\SQ7\06DEC99\339FAASQ.D\ECD2B.C
Third Calibration Standard : O:\ORG\SVOA\ECD\SQ7\06DEC99\341FAASQ.D\ECD2B.C

	Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
1	Tetrachloro-m-xylene	5.882	5.881	5.880	5.881	5.832	5.932
2	alpha-BHC	0.000	0.000	0.000	0.000	-0.049	0.051
3	gamma-BHC	0.000	0.000	0.000	0.000	-0.049	0.051
4	Heptachlor	0.000	0.000	0.000	0.000	-0.049	0.051
5	Aldrin	9.874	9.873	9.873	9.873	9.825	9.925
6	beta-BHC	8.224	8.222	8.221	8.222	8.174	8.274
7	delta-BHC	9.099	9.098	9.098	9.098	9.050	9.150
8	Heptachlor Epoxide	11.308	11.307	11.307	11.307	11.239	11.379
9	Endosulfan I	0.000	0.000	0.000	0.000	-0.069	0.071
10	gamma-Chlordane	11.863	11.862	11.862	11.862	11.794	11.934
11	alpha-Chlordane	12.333	12.333	12.332	12.333	12.264	12.404
12	4,4'-DDE	12.969	12.968	12.967	12.968	12.900	13.040
13	Dieldrin	0.000	0.000	0.000	0.000	-0.069	0.071
14	Endrin	0.000	0.000	0.000	0.000	-0.069	0.071
15	Endosulfan II	14.562	14.560	14.559	14.560	14.492	14.628
16	4,4'-DDD	0.000	0.000	0.000	0.000	-0.069	0.071

18 Endrin Aldehyde	15.230	15.227	15.226	15.228	15.159	15.299
19 Endosulfan Sulfate	15.573	15.571	15.569	15.571	15.503	15.643
20 Methoxychlor	0.000	0.000	0.000	0.000	-0.070	0.070
21 Endrin Ketone	17.052	17.049	17.047	17.049	16.981	17.121
22 Decachlorobiphenyl	20.268	20.265	20.262	20.265	20.167	20.367

Q120699P.M Tue Dec 07 10:35:58 1999 SULU

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration

First Calibration Standard : O:\ORG\SVOA\ECD\SQ7\06DEC99\342FAASQ.D\ECD1A.C
Second Calibration Standard : 344FAASQ.D
Third Calibration Standard : 346FAASQ.D

Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
1 Tetrachloro-m-xylene	4.738	4.737	4.736	4.737	4.688	4.788
2 alpha-BHC	5.297	5.298	5.298	5.297	5.249	5.349
3 gamma-BHC	5.792	5.793	5.793	5.793	5.744	5.844
4 Heptachlor	7.044	7.044	7.043	7.044	6.995	7.095
5 Aldrin	0.000	0.000	0.000	0.000	-0.049	0.051
6 beta-BHC	0.000	0.000	0.000	0.000	-0.049	0.051
7 delta-BHC	0.000	0.000	0.000	0.000	-0.049	0.051
8 Heptachlor Epoxide	0.000	0.000	0.000	0.000	-0.069	0.071
9 Endosulfan I	9.436	9.438	9.437	9.437	9.368	9.508
10 gamma-Chlordane	0.000	0.000	0.000	0.000	-0.069	0.071
11 alpha-Chlordane	0.000	0.000	0.000	0.000	-0.069	0.071
12 4,4'-DDE	0.000	0.000	0.000	0.000	-0.069	0.071
13 Dieldrin	10.065	10.067	10.066	10.066	9.997	10.137
14 Endrin	10.619	10.619	10.619	10.619	10.550	10.690
15 Endosulfan II	0.000	0.000	0.000	0.000	-0.069	0.071
16 4,4'-DDD	11.023	11.021	11.019	11.021	10.952	11.092
17 4,4'-DDT	12.041	12.040	12.039	12.040	11.971	12.111
18 Endrin Aldehyde	0.000	0.000	0.000	0.000	-0.069	0.071
19 Endosulfan Sulfate	0.000	0.000	0.000	0.000	-0.069	0.071
20 Methoxychlor	13.620	13.619	13.618	13.619	13.549	13.689
21 Endrin Ketone	0.000	0.000	0.000	0.000	-0.069	0.071
22 Decachlorobiphenyl	17.120	17.119	17.117	17.119	17.020	17.220

Signal #2

First Calibration Standard : O:\ORG\SVOA\ECD\SQ7\06DEC99\342FAASQ.D\ECD2B.C
Second Calibration Standard : O:\ORG\SVOA\ECD\SQ7\06DEC99\344FAASQ.D\ECD2B.C
Third Calibration Standard : O:\ORG\SVOA\ECD\SQ7\06DEC99\346FAASQ.D\ECD2B.C

Compound	RT of Standard First	Second	Third	Mean RT	RT Window From	To
1 Tetrachloro-m-xylene	5.881	5.881	5.881	5.881	5.833	5.933
2 alpha-BHC	7.204	7.206	7.206	7.205	7.157	7.257
3 gamma-BHC	8.072	8.073	8.073	8.073	8.024	8.124
4 Heptachlor	9.017	9.018	9.017	9.018	8.969	9.069
5 Aldrin	0.000	0.000	0.000	0.000	-0.049	0.051
6 beta-BHC	0.000	0.000	0.000	0.000	-0.049	0.051
7 delta-BHC	0.000	0.000	0.000	0.000	-0.049	0.051
8 Heptachlor Epoxide	0.000	0.000	0.000	0.000	-0.069	0.071
9 Endosulfan I	12.406	12.408	12.409	12.408	12.339	12.479
10 gamma-Chlordane	0.000	0.000	0.000	0.000	-0.069	0.071
11 alpha-Chlordane	0.000	0.000	0.000	0.000	-0.069	0.071
12 4,4'-DDE	0.000	0.000	0.000	0.000	-0.069	0.071
13 Dieldrin	13.257	13.258	13.259	13.258	13.189	13.329
14 Endrin	14.131	14.131	14.131	14.131	14.063	14.203
15 Endosulfan II	0.000	0.000	0.000	0.000	-0.069	0.071
16 4,4'-DDD	14.370	14.370	14.370	14.370	14.301	14.441
17 4,4'-DDT	15.075	15.075	15.075	15.075	15.007	15.147

19 Endosulfan Sulfate	0.000	0.000	0.000	0.000	-0.069	0.072
20 Methoxychlor	16.674	16.672	16.670	16.672	16.602	16.742
21 Endrin Ketone	0.000	0.000	0.000	0.000	-0.069	0.071
22 Decachlorobiphenyl	20.260	20.258	20.255	20.258	20.159	20.359

Q120699P.M Tue Dec 07 10:36:51 1999 SULU

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999

Calibration Files
N1 =342FAASQ.D CON2 =343FAASQ.D CON3 =344FAASQ.D
CON4 =345FAASQ.D CON5 =346FAASQ.D

		Compound	CON1	CON2	CON3	CON4	CON5	Avg		%RSD
1)	S	Tetrachloro-m-xylene	5.642	4.862	4.603	4.358	4.329	4.759	E4	11.31
2)	A	alpha-BHC	5.903	5.884	6.100	5.884	6.139	5.982	E4	2.12
3)	MA	gamma-BHC	5.620	5.348	5.434	5.187	5.395	5.397	E4	2.89
4)	MA	Heptachlor	4.434	3.653	3.595	3.373	3.443	3.700	E4	11.50
5)	MB	Aldrin	5.341	5.072	4.883	4.829	4.750	4.975	E4	4.75
6)	B	beta-BHC	3.442	2.985	2.736	2.644	2.556	2.872	E4	12.40
7)	B	delta-BHC	5.254	5.324	5.280	5.271	5.228	5.271	E4	0.68
8)	B	Heptachlor Epoxide	5.039	4.517	4.259	4.136	4.047	4.400	E4	9.07
9)	A	Endosulfan I	5.088	4.490	4.425	4.180	4.259	4.489	E4	7.97
10)	B	gamma-Chlordane	5.485	5.001	4.793	4.731	4.678	4.938	E4	6.67
11)	B	alpha-Chlordane	5.597	5.018	4.815	4.714	4.643	4.957	E4	7.76
12)	B	4,4'-DDE	4.699	4.631	4.402	4.291	4.172	4.439	E4	5.03
13)	MA	Dieldrin	4.765	4.288	4.189	3.941	4.012	4.239	E4	7.66
14)	MA	Endrin	4.104	3.657	3.531	3.284	3.320	3.579	E4	9.25
15)	B	Endosulfan II	4.554	4.110	3.791	3.644	3.517	3.923	E4	10.62
16)	A	4,4'-DDD	3.556	3.143	3.090	2.884	2.951	3.125	E4	8.39
17)	MA	4,4'-DDT	3.308	2.876	2.756	2.565	2.623	2.826	E4	10.45
18)	B	Endrin Aldehyde	3.744	3.302	2.990	2.857	2.749	3.128	E4	12.84
19)	B	Endosulfan Sulfate	4.269	3.806	3.502	3.392	3.302	3.654	E4	10.75
20)	A	Methoxychlor	1.474	1.101	0.965	0.870	0.866	1.055	E4	23.95
21)	B	Endrin Ketone	4.755	4.168	3.715	3.512	3.365	3.903	E4	14.46
	S	Decachlorobiphenyl	4.674	3.717	3.477	3.228	3.266	3.672	E4	16.15

Signal #2 Calibration Files
CON1 =342FAASQ.D CON2 =343FAASQ.D CON3 =344FAASQ.D
CON4 =345FAASQ.D CON5 =346FAASQ.D

		Compound	CON1	CON2	CON3	CON4	CON5	Avg		%RSD
1)	S	Tetrachloro-m-xylene	4.081	3.541	3.408	3.225	3.296	3.510	E4	9.70
2)	A	alpha-BHC	4.166	4.300	4.658	4.567	4.855	4.509	E4	6.13
3)	MA	gamma-BHC	4.040	3.959	4.229	4.107	4.323	4.131	E4	3.53
4)	MA	Heptachlor	3.383	2.896	2.876	2.773	2.899	2.965	E4	8.06
5)	MB	Aldrin	4.048	3.934	3.901	3.935	3.924	3.948	E4	1.46
6)	B	beta-BHC	2.611	2.291	2.135	2.097	2.046	2.236	E4	10.23
7)	B	delta-BHC	3.707	3.905	4.029	4.120	4.146	3.981	E4	4.53
8)	B	Heptachlor Epoxide	3.878	3.533	3.372	3.341	3.325	3.490	E4	6.65
9)	A	Endosulfan I	3.981	3.522	3.560	3.413	3.540	3.603	E4	6.07
10)	B	gamma-Chlordane	4.248	3.923	3.811	3.836	3.831	3.930	E4	4.66
11)	B	alpha-Chlordane	4.320	4.019	3.873	3.868	3.843	3.985	E4	5.01
12)	B	4,4'-DDE	3.594	3.663	3.583	3.549	3.510	3.580	E4	1.59
13)	MA	Dieldrin	3.654	3.465	3.526	3.345	3.466	3.491	E4	3.21
14)	MA	Endrin	2.954	2.744	2.747	2.590	2.668	2.741	E4	4.95
15)	B	Endosulfan II	3.487	3.253	3.059	2.967	2.899	3.133	E4	7.61
16)	A	4,4'-DDD	2.757	2.604	2.644	2.491	2.585	2.616	E4	3.70
17)	MA	4,4'-DDT	2.397	2.132	2.119	2.004	2.078	2.146	E4	6.93
	B	Endrin Aldehyde	2.901	2.578	2.392	2.304	2.240	2.483	E4	10.71
19)	B	Endosulfan Sulfate	3.179	2.918	2.740	2.674	2.626	2.827	E4	7.98
20)	A	Methoxychlor	1.158	0.910	0.833	0.774	0.790	0.893	E4	17.60
21)	B	Endrin Ketone	3.520	3.254	3.006	2.906	2.830	3.103	E4	9.11
22)	S	Decachlorobiphenyl	4.628	3.676	3.416	3.156	3.191	3.613	E4	16.92

7D

PESTICIDE EVALUATION MIXTURE SUMMARY

Lab Name: Severn Trent Labs

Contract: _____

Lab Code: STL-B

Instrument: SQ7

Analysis Date: 6 Dec 1999 4:31 pm

Lab Data File: 324FAASQ.D

GC Column: Rtx-5, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	5.31	501301
gamma-BHC	5.8	486500
beta-BHC	5.7	314287
4,4'-DDE	9.98	47091
Endrin	10.64	1625983
4,4'-DDD	11.04	59875
4,4'-DDT	12.06	2407099
Endrin Aldehyde	11.36	96058
Methoxychlor	13.64	2315409
Endrin Ketone	13.34	111647

4,4'-DDT % Breakdown: 4.25%
Endrin % Breakdown: 11.33%
Combined % Breakdown: 15.58%

GC Column: Rtx-35, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	7.22	351132
gamma-BHC	8.09	337859
beta-BHC	8.24	232792
4,4'-DDE	12.99	34584
Endrin	14.16	1210977
4,4'-DDD	14.39	54240
4,4'-DDT	15.1	1777450
Endrin Aldehyde	15.26	96470
Methoxychlor	16.71	1909438
Endrin Ketone	17.09	67068

4,4'-DDT % Breakdown: 4.76%
Endrin % Breakdown: 11.90%
Combined % Breakdown: 16.66%

7D

PESTICIDE EVALUATION MIXTURE SUMMARY

Lab Name: Severn Trent Labs

Contract: _____

Lab Code: STL-B

Instrument: SQ7

Analysis Date: 8 Dec 1999 5:50 pm

Lab Data File: 389FAASQ.D

GC Column: Rtx-5, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	5.33	452893
gamma-BHC	5.82	443761
beta-BHC	5.73	292676
4,4'-DDE	9.99	25617
Endrin	10.66	1537981
4,4'-DDD	11.06	42744
4,4'-DDT	12.08	2132469
Endrin Aldehyde	11.38	25813
Methoxychlor	13.65	2121629
Endrin Ketone	13.35	39698

4,4'-DDT % Breakdown: 3.11%
Endrin % Breakdown: 4.09%
Combined % Breakdown: 7.19%

GC Column: Rtx-35, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	7.21	330105
gamma-BHC	8.08	318502
beta-BHC	8.23	219094
4,4'-DDE	12.98	21882
Endrin	14.14	1202017
4,4'-DDD	14.38	53108
4,4'-DDT	15.09	1760040
Endrin Aldehyde	15.24	38431
Methoxychlor	16.68	2081239
Endrin Ketone	17.06	29201

4,4'-DDT % Breakdown: 4.09%
Endrin % Breakdown: 5.33%
Combined % Breakdown: 9.41%

7D

PESTICIDE EVALUATION MIXTURE SUMMARY

Lab Name: Severn Trent Labs

Contract: _____

Lab Code: STL-B

Instrument: SQ7

Analysis Date: 9 Dec 1999 7:58 am

Lab Data File: 416FAASQ.D

GC Column: Rtx-5, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	5.3	496888
gamma-BHC	5.8	506655
beta-BHC	5.7	326662
4,4'-DDE	9.96	27466
Endrin	10.62	1864552
4,4'-DDD	11.03	45271
4,4'-DDT	12.05	2561820
Endrin Aldehyde	11.34	44406
Methoxychlor	13.63	2782390
Endrin Ketone	13.32	68001

4,4'-DDT % Breakdown: 2.76%

Endrin % Breakdown: 5.69%

Combined % Breakdown: 8.45%

GC Column: Rtx-35, 0.53 mm ID

EVAUATION MIX COMPOUND	R.T.	AREA
alpha-BHC	7.21	394113
gamma-BHC	8.08	388598
beta-BHC	8.23	263700
4,4'-DDE	12.98	32213
Endrin	14.14	1512222
4,4'-DDD	14.38	51329
4,4'-DDT	15.08	2259089
Endrin Aldehyde	15.23	57486
Methoxychlor	16.68	2727362
Endrin Ketone	17.05	37358

4,4'-DDT % Breakdown: 3.57%

Endrin % Breakdown: 5.90%

Combined % Breakdown: 9.47%

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\348FAASQ.D\ECD1A.CH Vial: 26
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\348FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 4:33 am Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	32.737	18.2#	0	0.00
5	MB	Aldrin	40.000	34.508	13.7	0	0.00
6	B	beta-BHC	40.000	34.777	13.1	0	0.00
7	B	delta-BHC	40.000	36.064	9.8	0	0.00
8	B	Heptachlor Epoxide	40.000	35.345	11.6	0	0.00
10	B	gamma-Chlordane	40.000	35.486	11.3	0	0.00
11	B	alpha-Chlordane	40.000	34.728	13.2	0	0.00
12	B	4,4'-DDE	80.000	71.913	10.1	0	0.00
15	B	Endosulfan II	80.000	72.316	9.6	0	0.00
18	B	Endrin Aldehyde	80.000	72.700	9.1	0	0.00
19	B	Endosulfan Sulfate	80.000	70.809	11.5	0	0.00
21	B	Endrin Ketone	80.000	70.153	12.3	0	0.00
22	S	Decachlorobiphenyl	80.000	64.360	19.6#	0	0.00

ignal #2

1	S	Tetrachloro-m-xylene	40.000	32.957	17.6#	0	0.00
5	MB	Aldrin	40.000	34.769	13.1	0	0.00
6	B	beta-BHC	40.000	34.467	13.8	0	0.00
7	B	delta-BHC	40.000	36.122	9.7	0	0.00
8	B	Heptachlor Epoxide	40.000	35.658	10.9	0	0.00
10	B	gamma-Chlordane	40.000	35.781	10.5	0	0.00
11	B	alpha-Chlordane	40.000	35.126	12.2	0	0.00
12	B	4,4'-DDE	80.000	73.253	8.4	0	0.00
15	B	Endosulfan II	80.000	72.458	9.4	0	0.00
18	B	Endrin Aldehyde	80.000	72.737	9.1	0	0.00
19	B	Endosulfan Sulfate	80.000	71.879	10.2	0	0.00
21	B	Endrin Ketone	80.000	71.085	11.1	0	0.00
22	S	Decachlorobiphenyl	80.000	64.272	19.7#	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
095FADSK.D Q120699P.M Tue Dec 07 11:00:05 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\349FAASQ.D\ECD1A.CH Vial: 27
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\349FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 5:03 am Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
ıtFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	35.608	11.0	0	0.00
2	A	alpha-BHC	40.000	38.445	3.9	0	0.00
3	MA	gamma-BHC	40.000	37.879	5.3	0	0.00
4	MA	Heptachlor	40.000	36.513	8.7	0	0.00
9	A	Endosulfan I	40.000	37.824	5.4	0	0.00
13	MA	Dieldrin	80.000	74.922	6.3	0	0.00
14	MA	Endrin	80.000	73.178	8.5	0	0.00
16	A	4,4'-DDD	80.000	75.362	5.8	0	0.00
17	MA	4,4'-DDT	80.000	73.658	7.9	0	0.00
20	A	Methoxychlor	400.000	341.541	14.6	0	0.00
22	S	Decachlorobiphenyl	80.000	72.214	9.7	0	0.00

Signal #2

	S	Tetrachloro-m-xylene	40.000	35.484	11.3	0	0.00
2	A	alpha-BHC	40.000	38.836	2.9	0	0.00
3	MA	gamma-BHC	40.000	38.339	4.2	0	0.00
4	MA	Heptachlor	40.000	37.768	5.6	0	0.00
9	A	Endosulfan I	40.000	37.752	5.6	0	0.00
13	MA	Dieldrin	80.000	76.211	4.7	0	0.00
14	MA	Endrin	80.000	73.875	7.7	0	0.00
16	A	4,4'-DDD	80.000	76.361	4.5	0	0.00
17	MA	4,4'-DDT	80.000	75.104	6.1	0	0.00
20	A	Methoxychlor	400.000	354.608	11.3	0	0.00
22	S	Decachlorobiphenyl	80.000	72.109	9.9	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
095FADSK.D Q120699P.M Tue Dec 07 11:01:11 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\390FAASQ.D\ECD1A.CH Vial: 2
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\390FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 7:20 pm Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
Signal #1						
5 MB	Aldrin	40.000	34.208	14.5	0	0.00
6 B	beta-BHC	40.000	35.561	11.1	0	0.00
7 B	delta BHC	40.000	36.703	8.2	0	0.00
8 B	Heptachlor Epoxide	40.000	35.620	11.0	0	0.00
10 B	gamma-Chlordane	40.000	35.323	11.7	0	0.00
11 B	alpha-Chlordane	40.000	34.270	14.3	0	0.00
12 B	4,4'-DDE	80.000	72.462	9.4	0	0.00
15 B	Endosulfan II	80.000	72.249	9.7	0	0.00
18 B	Endrin Aldehyde	80.000	73.643	7.9	0	0.00
19 B	Endosulfan Sulfate	80.000	70.261	12.2	0	0.00
21 B	Endrin Ketone	80.000	73.241	8.4	0	0.00
Signal #2						
5 MB	Aldrin	40.000	35.677	10.8	0	0.00
6 B	beta-BHC	40.000	36.491	8.8	0	0.00
7 B	delta-BHC	40.000	38.329	4.2	0	0.00
8 B	Heptachlor Epoxide	40.000	37.088	7.3	0	0.00
10 B	gamma-Chlordane	40.000	36.396	9.0	0	0.00
11 B	alpha-Chlordane	40.000	35.056	12.4	0	0.00
12 B	4,4'-DDE	80.000	74.883	6.4	0	0.00
15 B	Endosulfan II	80.000	73.727	7.8	0	0.00
18 B	Endrin Aldehyde	80.000	73.091	8.6	0	0.00
19 B	Endosulfan Sulfate	80.000	71.466	10.7	0	0.00
21 B	Endrin Ketone	80.000	73.022	8.7	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
095FADSK.D Q120699P.M Wed Dec 08 22:52:50 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\391FAASQ.D\ECD1A.CH Vial: 3
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\391FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 6:50 pm Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Wed Dec 08 19:23:14 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	40.000	34.024	14.9	100	0.00
2	A	alpha-BHC	40.000	37.489	6.3	100	0.00
3	MA	gamma-BHC	40.000	37.552	6.1	100	0.00
4	MA	Heptachlor	40.000	35.804	10.5	100	0.00
9	A	Endosulfan I	40.000	35.502	11.2	100	0.00
13	MA	Dieldrin	80.000	72.958	8.8	100	0.00
14	MA	Endrin	80.000	73.546	8.1	100	0.00
16	A	4,4'-DDD	80.000	77.720	2.9	100	0.00
17	MA	4,4'-DDT	80.000	68.252	14.7	100	0.00
20	A	Methoxychlor	400.000	343.191	14.2	100	0.00
22	S	Decachlorobiphenyl	80.000	64.991	18.8#	100	0.00

Signal #2

	S	Tetrachloro-m-xylene	40.000	35.023	12.4	100	0.00
2	A	alpha-BHC	40.000	39.071	2.3	100	0.00
3	MA	gamma-BHC	40.000	39.361	1.6	100	0.00
4	MA	Heptachlor	40.000	40.131	-0.3	100	0.00
9	A	Endosulfan I	40.000	37.016	7.5	100	0.00
13	MA	Dieldrin	80.000	75.907	5.1	100	0.00
14	MA	Endrin	80.000	76.730	4.1	100	0.00
16	A	4,4'-DDD	80.000	78.119	2.4	100	0.00
17	MA	4,4'-DDT	80.000	74.560	6.8	100	0.00
20	A	Methoxychlor	400.000	395.182	1.2	100	0.00
22	S	Decachlorobiphenyl	80.000	65.294	18.4#	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\415FAASQ.D\ECD1A.CH Vial: 27
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\415FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 7:28 am Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	33.887	15.3#	0	0.00
2	A	alpha-BHC	40.000	38.271	4.3	0	0.00
3	MA	gamma-BHC	40.000	38.916	2.7	0	0.00
4	MA	Heptachlor	40.000	38.865	2.8	0	0.00
9	A	Endosulfan I	40.000	36.162	9.6	0	0.00
13	MA	Dieldrin	80.000	75.794	5.3	0	0.00
14	MA	Endrin	80.000	77.511	3.1	0	0.00
16	A	4,4'-DDD	80.000	82.056	-2.6	0	0.00
17	MA	4,4'-DDT	80.000	73.194	8.5	0	0.00
20	A	Methoxychlor	400.000	380.573	4.9	0	0.00
22	S	Decachlorobiphenyl	80.000	67.299	15.9#	0	0.00

Signal #2

1	S	Tetrachloro-m-xylene	40.000	37.177	7.1	0	0.00
2	A	alpha-BHC	40.000	42.010	-5.0	0	0.00
3	MA	gamma-BHC	40.000	42.689	-6.7	0	0.00
4	MA	Heptachlor	40.000	44.384	-11.0	0	0.00
9	A	Endosulfan I	40.000	39.738	0.7	0	0.00
13	MA	Dieldrin	80.000	81.988	-2.5	0	0.00
14	MA	Endrin	80.000	83.772	-4.7	0	0.00
16	A	4,4'-DDD	80.000	85.787	-7.2	0	0.00
17	MA	4,4'-DDT	80.000	83.899	-4.9	0	0.00
20	A	Methoxychlor	400.000	444.273	-11.1	0	0.00
22	S	Decachlorobiphenyl	80.000	70.121	12.3	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
095FADSK.D Q120699P.M Thu Dec 09 09:00:21 1999 SUMU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\414FAASQ.D\ECD1A.CH Vial: 26
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\414FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 6:58 am Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
ıtFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	32.222	19.4#	0	0.00
5	MB	Aldrin	40.000	33.682	15.8#	0	0.00
6	B	beta-BHC	40.000	35.570	11.1	0	0.00
7	B	delta-BHC	40.000	36.455	8.9	0	0.00
8	B	Heptachlor Epoxide	40.000	35.463	11.3	0	0.00
10	B	gamma-Chlordane	40.000	34.548	13.6	0	0.00
11	B	alpha-Chlordane	40.000	33.655	15.9#	0	0.00
12	B	4,4'-DDE	80.000	70.831	11.5	0	0.00
15	B	Endosulfan II	80.000	71.461	10.7	0	0.00
18	B	Endrin Aldehyde	80.000	74.267	7.2	0	0.00
19	B	Endosulfan Sulfate	80.000	70.449	11.9	0	0.00
21	B	Endrin Ketone	80.000	74.768	6.5	0	0.00

ignal #2

1	S	Tetrachloro-m-xylene	40.000	34.913	12.7	0	0.00
5	MB	Aldrin	40.000	37.070	7.3	0	0.00
6	B	beta-BHC	40.000	37.822	5.4	0	0.00
7	B	delta-BHC	40.000	39.679	0.8	0	0.00
8	B	Heptachlor Epoxide	40.000	38.750	3.1	0	0.00
10	B	gamma-Chlordane	40.000	37.709	5.7	0	0.00
11	B	alpha-Chlordane	40.000	36.665	8.3	0	0.00
12	B	4,4'-DDE	80.000	76.486	4.4	0	0.00
15	B	Endosulfan II	80.000	75.949	5.1	0	0.00
18	B	Endrin Aldehyde	80.000	77.064	3.7	0	0.00
19	B	Endosulfan Sulfate	80.000	74.439	7.0	0	0.00
21	B	Endrin Ketone	80.000	76.830	4.0	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
095FADSK.D Q120699P.M Thu Dec 09 09:01:33 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\426FAASQ.D\ECD1A.CH Vial: 38
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\426FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 1:58 pm Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
5 MB	Aldrin	40.000	33.235	16.9#	0	0.00
6 B	beta-BHC	40.000	35.072	12.3	0	0.00
7 B	delta-BHC	40.000	35.704	10.7	0	0.00
8 B	Heptachlor Epoxide	40.000	34.831	12.9	0	0.00
10 B	gamma-Chlordane	40.000	34.054	14.9	0	0.00
11 B	alpha-Chlordane	40.000	33.217	17.0#	0	0.00
12 B	4,4'-DDE	80.000	70.151	12.3	0	0.00
15 B	Endosulfan II	80.000	70.482	11.9	0	0.00
18 B	Endrin Aldehyde	80.000	72.618	9.2	0	0.00
19 B	Endosulfan Sulfate	80.000	69.019	13.7	0	0.00
21 B	Endrin Ketone	80.000	72.898	8.9	0	0.00

Signal #2

5 MB	Aldrin	40.000	36.560	8.6	0	0.00
6 B	beta-BHC	40.000	37.403	6.5	0	0.00
7 B	delta-BHC	40.000	39.082	2.3	0	0.00
8 B	Heptachlor Epoxide	40.000	38.284	4.3	0	0.00
10 B	gamma-Chlordane	40.000	37.394	6.5	0	0.00
11 B	alpha-Chlordane	40.000	36.144	9.6	0	0.00
12 B	4,4'-DDE	80.000	76.008	5.0	0	0.00
15 B	Endosulfan II	80.000	75.570	5.5	0	0.00
18 B	Endrin Aldehyde	80.000	76.220	4.7	0	0.00
19 B	Endosulfan Sulfate	80.000	73.655	7.9	0	0.00
21 B	Endrin Ketone	80.000	76.160	4.8	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
095FADSK.D Q120699P.M Thu Dec 09 14:43:54 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\427FAASQ.D\ECD1A.CH Vial: 39
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\427FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 2:28 pm Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E

Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator)
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	S	Tetrachloro-m-xylene	40.000	33.916	15.2#	0	0.00
2	A	alpha-BHC	40.000	37.666	5.8	0	0.00
3	MA	gamma-BHC	40.000	38.177	4.6	0	0.00
4	MA	Heptachlor	40.000	37.406	6.5	0	0.00
9	A	Endosulfan I	40.000	35.838	10.4	0	0.00
13	MA	Dieldrin	80.000	74.879	6.4	0	0.00
14	MA	Endrin	80.000	75.447	5.7	0	0.00
16	A	4,4'-DDD	80.000	80.473	-0.6	0	0.00
17	MA	4,4'-DDT	80.000	70.747	11.6	0	0.00
20	A	Methoxychlor	400.000	362.099	9.5	0	0.00
22	S	Decachlorobiphenyl	80.000	66.832	16.5#	0	0.00

Signal #2

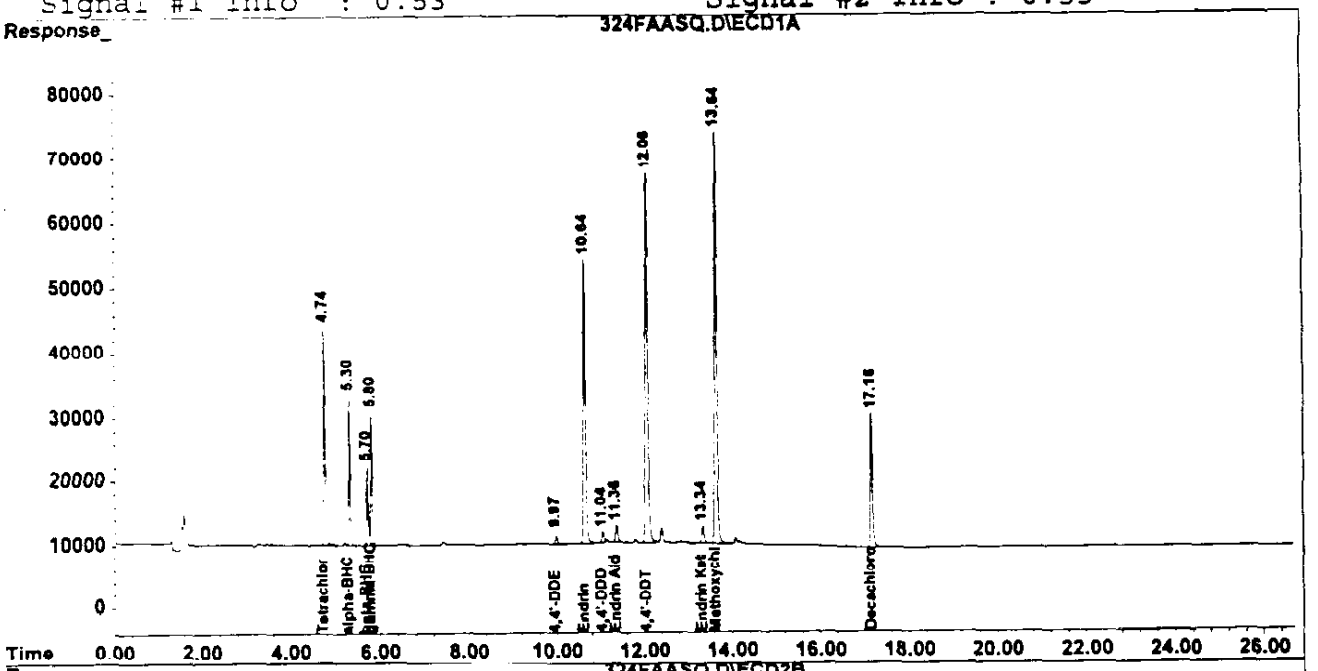
1	S	Tetrachloro-m-xylene	40.000	36.811	8.0	0	0.00
2	A	alpha-BHC	40.000	41.511	-3.8	0	0.00
3	MA	gamma-BHC	40.000	42.177	-5.4	0	0.00
4	MA	Heptachlor	40.000	43.270	-8.2	0	0.00
9	A	Endosulfan I	40.000	39.387	1.5	0	0.00
13	MA	Dieldrin	80.000	81.176	-1.5	0	0.00
14	MA	Endrin	80.000	81.749	-2.2	0	0.00
16	A	4,4'-DDD	80.000	84.411	-5.5	0	0.00
17	MA	4,4'-DDT	80.000	82.089	-2.6	0	0.00
20	A	Methoxychlor	400.000	428.948	-7.2	0	0.00
22	S	Decachlorobiphenyl	80.000	69.821	12.7	0	0.00

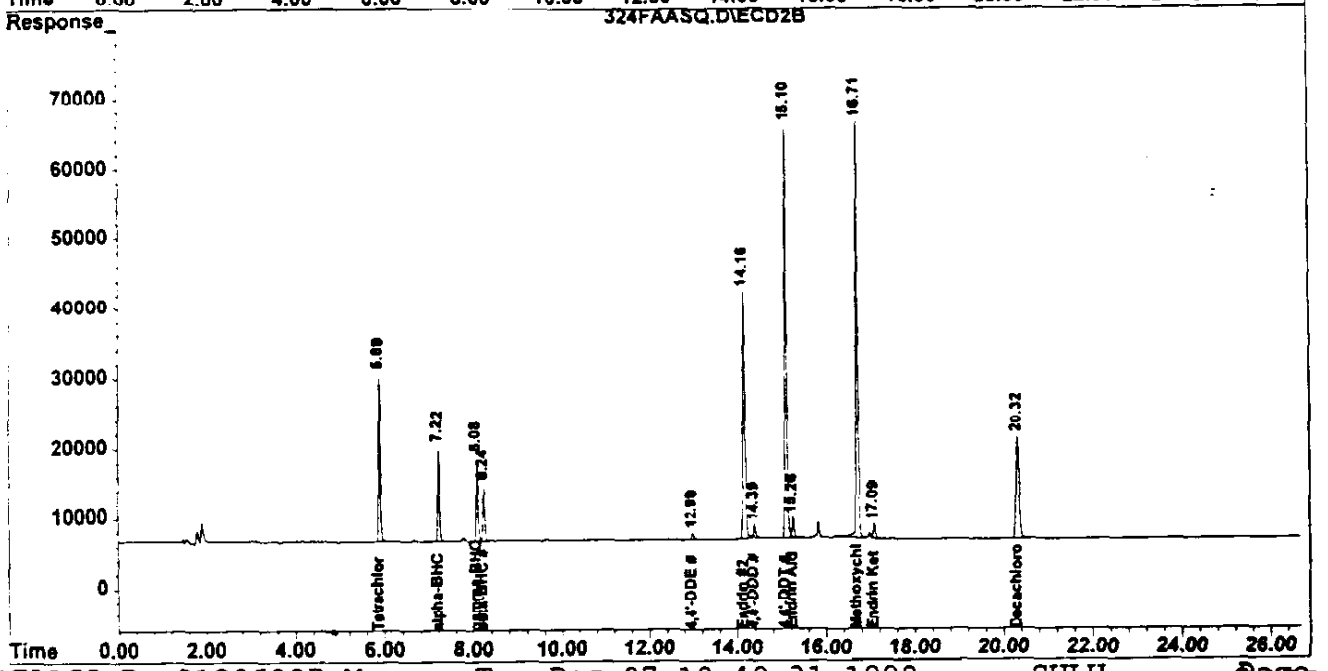
(#) = Out of Range SPCC's out = 0 CCC's out = 0
095FADSK.D Q120699P.M Thu Dec 09 14:58:42 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\324FAASQ.D\ECD1A.CH Vial: 2
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\324FAASQ.D\ECD2B.CH
Acq On : 6 Dec 1999 4:31 pm Operator: TS
Sample : S-9544 Inst : SQ7
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:39 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\324FAASQ.D\ECD1A.CH Vial: 2
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\324FAASQ.D\ECD2B.CH
Acq On : 6 Dec 1999 4:31 pm Operator: TS
Sample : S-9544 Inst : SQ7
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:39 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

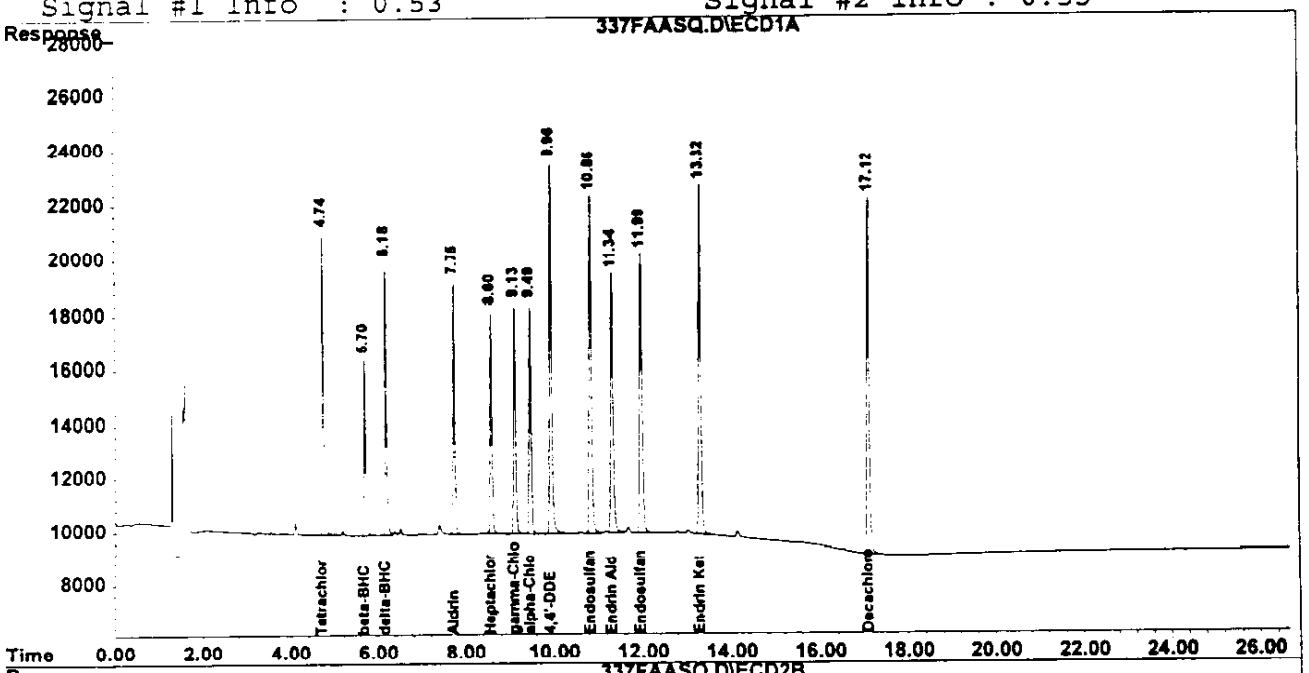
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	884499	639473	18.587	18.217
Spiked Amount 60.000 Range 30 - 150 Recovery =					30.98%	30.36%
22) S Decachlorobiphen	17.16	20.32f	740761	734133	20.171	20.317
Spiked Amount 60.000 Range 30 - 150 Recovery =					33.62%	33.86%
Target Compounds						
2) A alpha-BHC	5.31	7.22	501301	351132	8.380	7.787
3) MA gamma-BHC	5.80	8.09	486500	337859	9.015	8.178
B beta-BHC	5.70	8.24	314287	232792	10.942	10.411
B 4,4'-DDE	9.98	12.99	47091	34584	1.061	0.966
14) MA Endrin	10.64	14.16	1625983	1210977	45.432	44.187
16) A 4,4'-DDD	11.04	14.39	59875	54240	1.916m	2.073m
17) MA 4,4'-DDT	12.06	15.10	2407099	1777450	85.191	82.830m
18) B Endrin Aldehyde	11.36	15.26	96058	96470	3.071m	3.885m#
20) A Methoxychlor	13.64	16.71f	2315409	1909438	219.430	213.841
21) B Endrin Ketone	13.34	17.09f	111647	67068	2.860	2.161
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

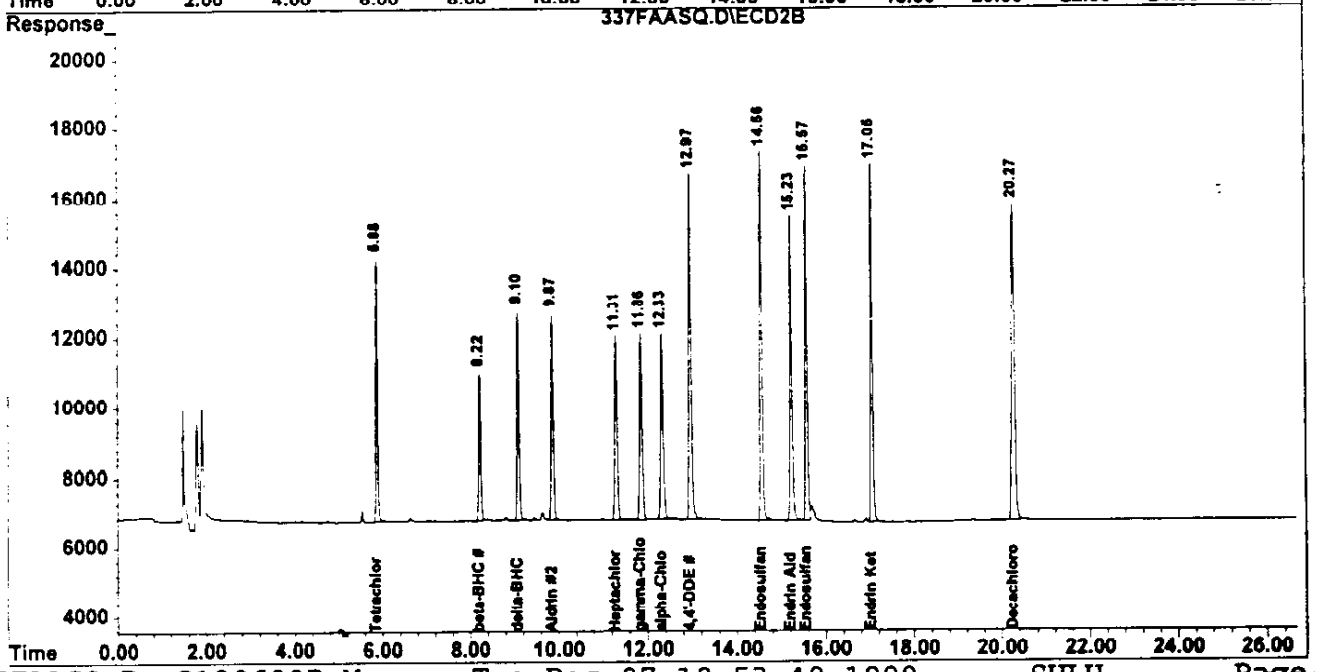
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\337FAASQ.D\ECD1A.CH Vial: 15
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\337FAASQ.D\ECD2B.CH
Acq On : 6 Dec 1999 11:02 pm Operator: TS
Sample : S-9425 Inst : SQ7
Misc : INDB CONC1 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:18 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\337FAASQ.D\ECD1A.CH Vial: 15
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\337FAASQ.D\ECD2B.CH
Acq On : 6 Dec 1999 11:02.pm Operator: TS
Sample : S-9425 Inst : SQ7
Misc : INDB CONC1 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:18 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

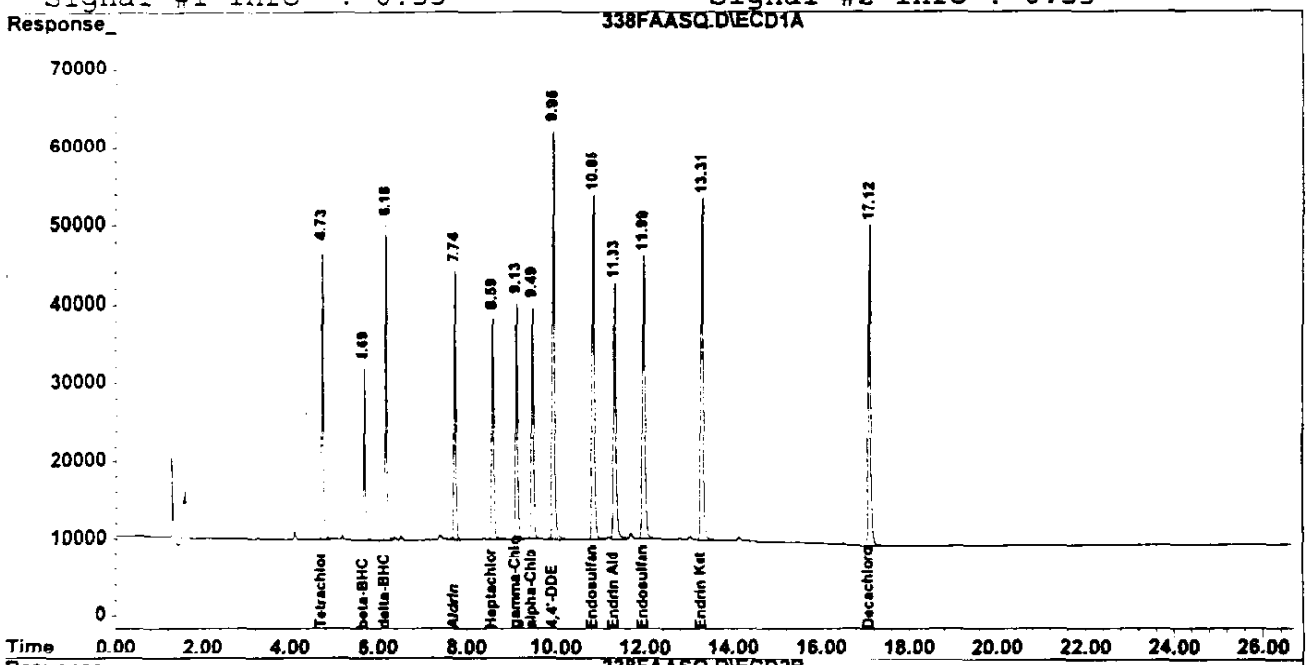
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	278073	201109	1.844	1.898
Spiked Amount 60.000 Range 30 - 150 Recovery =					3.07%#	3.16%#
22) S Decachlorobiphen	17.13	20.27	459691	454031	7.104	6.882
Spiked Amount 60.000 Range 30 - 150 Recovery =					11.84%#	11.47%#
Target Compounds						
5) MB Aldrin	7.75	9.87	267041	202419	2.010	2.127
6) B beta-BHC	5.70	8.22	172077	130554	2.044	2.090
[illegible] B delta-BHC	6.18	9.10	262707	185347	1.774	1.800
B Heptachlor Epoxi	8.60	11.31	251974	193885	2.159	2.283
10) B gamma-Chlordane	9.13	11.86	274228	212399	2.232	2.390
11) B alpha-Chlordane	9.49	12.33	279856	215987	2.359	2.423
12) B 4,4'-DDE	9.96	12.97	469932	359420	4.569	4.221
15) B Endosulfan II	10.86	14.56	455441	348702	5.188	5.438
18) B Endrin Aldehyde	11.34	15.23	374363	290098	5.202	5.962
19) B Endosulfan Sulfa	11.99	15.57	426907	317931	5.842	6.246
21) B Endrin Ketone	13.32	17.05	475549	351989	6.410	6.607
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

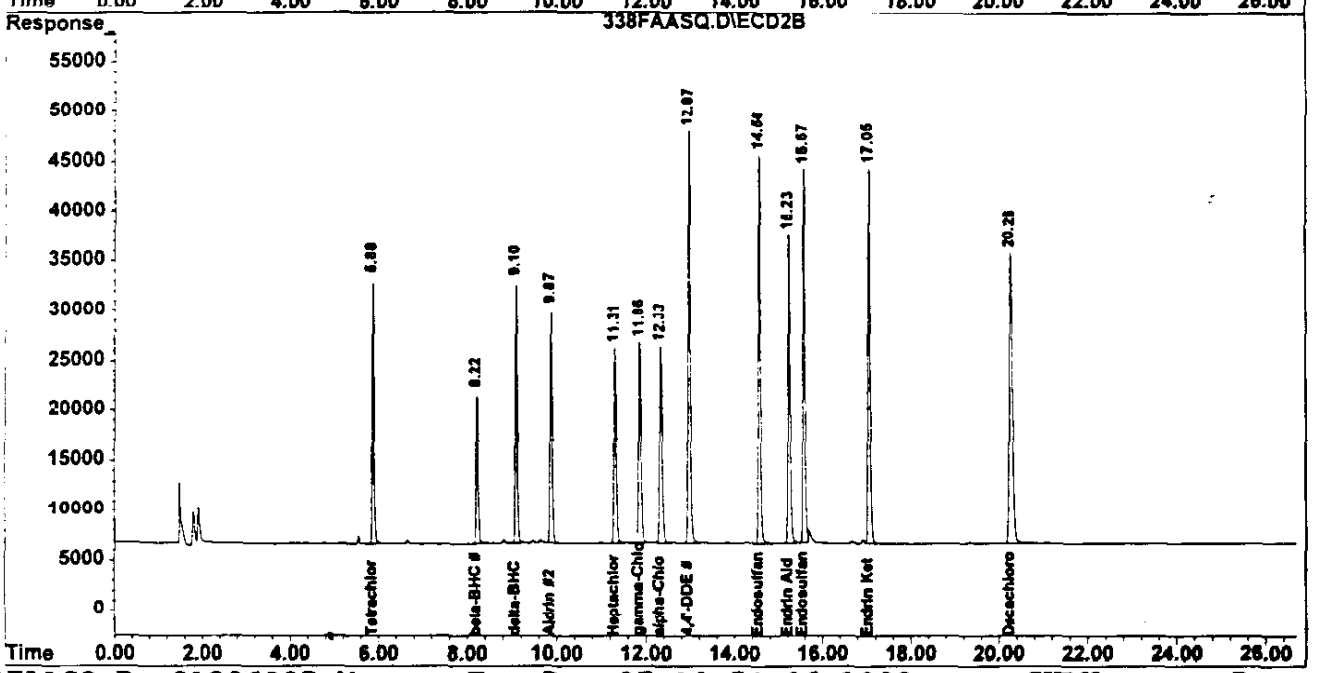
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
337FAASQ.D Q120699P.M Tue Dec 07 10:53:43 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\338FAASQ.D\ECD1A.CH Vial: 16
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\338FAASQ.D\ECD2B.CH
Acq On : 6 Dec 1999 11:32 pm Operator: TS
Sample : S-9426 Inst : SQ7
Misc : INDB CONC2 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:19 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\338FAASQ.D\ECD1A.CH Vial: 16
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\338FAASQ.D\ECD2B.CH
Acq On : 6 Dec 1999 11:32 pm Operator: TS
Sample : S-9426 Inst : SQ7
Misc : INDB CONC2 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:19 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

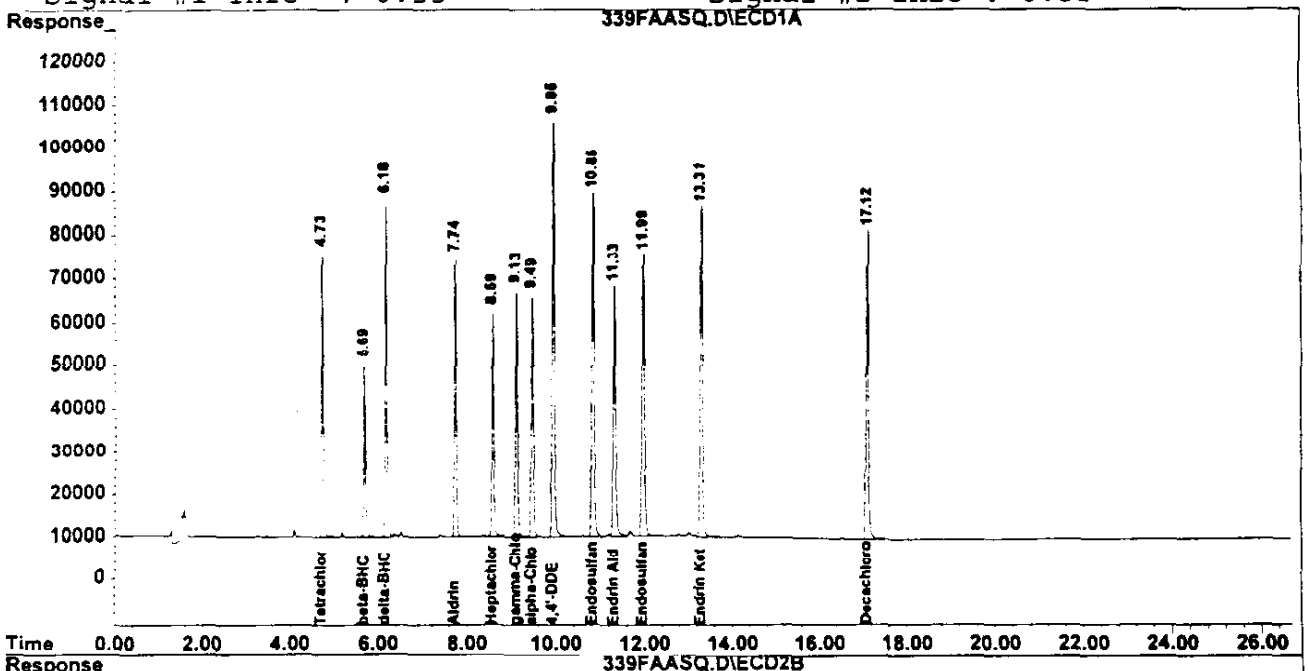
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.73	5.88	983528	715996	6.523	6.756
	Spiked Amount 60.000 Range 30 - 150 Recovery =					10.87%#	11.26%#
22)	S Decachlorobiphen	17.12	20.27	1503122	1479593	23.229	22.428
	Spiked Amount 60.000 Range 30 - 150 Recovery =					38.72%	37.38%
	Target Compounds						
5)	MB Aldrin	7.74	9.87	1014369	786870	7.635	8.268
6)	B beta-BHC	5.69	8.22	596943	458205	7.091	7.334
[illegible]	B delta-BHC	6.18	9.10	1064899	780950	7.192	7.584
[illegible]	B Heptachlor Epoxi	8.59	11.31	903335	706610	7.740	8.321
10)	B gamma-Chlordane	9.13	11.86	1000101	784663	8.142	8.829
11)	B alpha-Chlordane	9.49	12.33	1003555	803898	8.458	9.017
12)	B 4,4'-DDE	9.95	12.97	1852594	1465032	18.014	17.205
15)	B Endosulfan II	10.85	14.56	1644097	1301015	18.727	20.288
18)	B Endrin Aldehyde	11.34	15.23	1320686	1031095	18.350	21.189
19)	B Endosulfan Sulfa	11.99	15.57	1522597	1167290	20.835	22.934
21)	B Endrin Ketone	13.31	17.05	1667219	1301560	22.472	24.429
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000

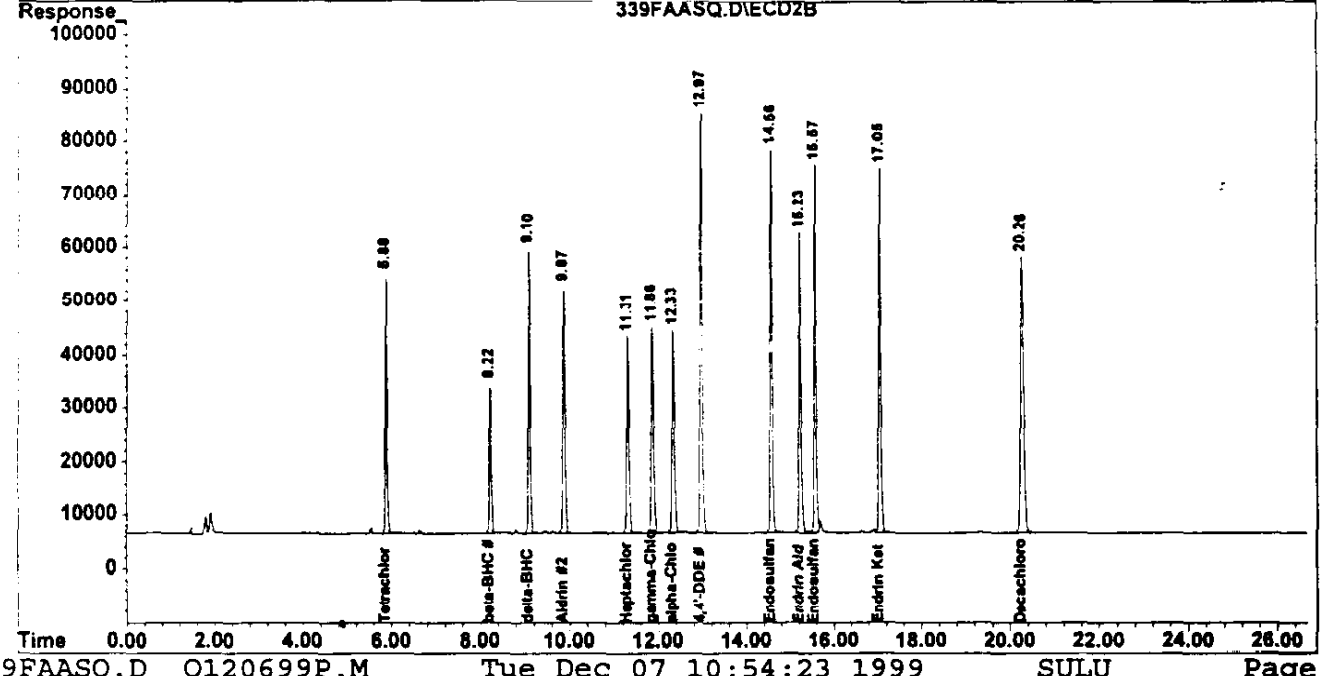
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\339FAASQ.D\ECD1A.CH Vial: 17
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\339FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 12:02 am Operator: TS
Sample : S-9427 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:20 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\339FAASQ.D\ECD1A.CH Vial: 17
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\339FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 12:02 am Operator: TS
Sample : S-9427 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:20 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

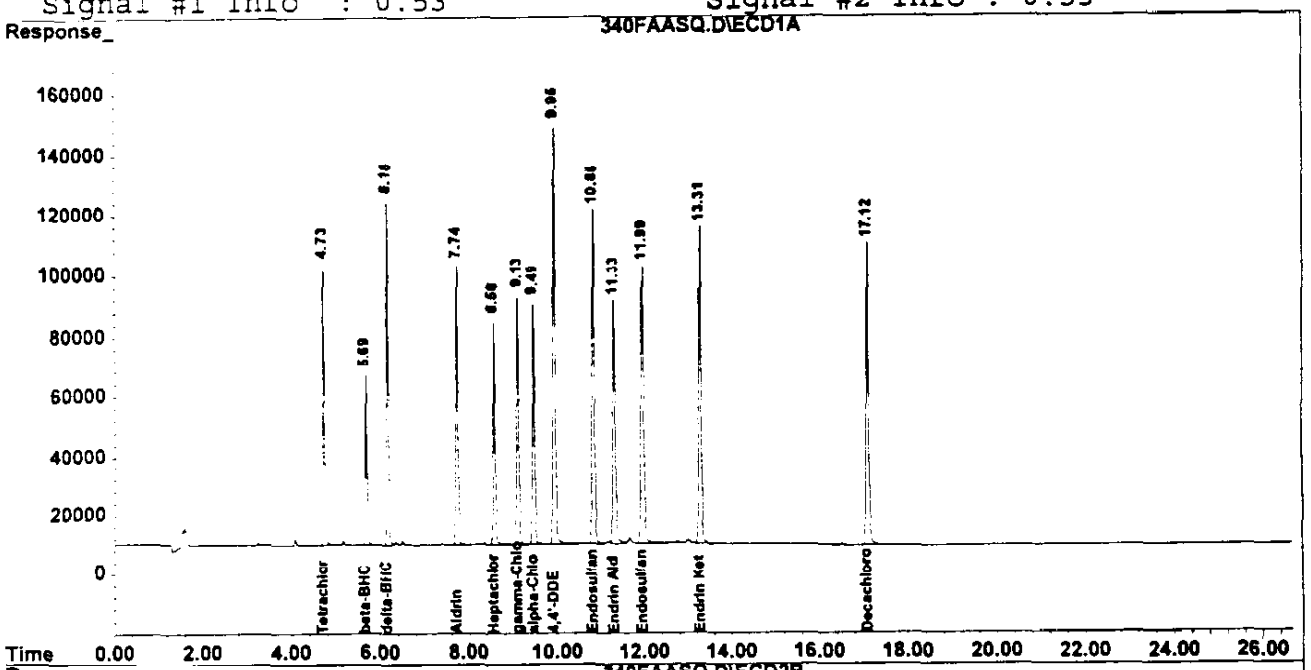
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	4.74	5.88	1786421	1323985	11.847	12.492
		Spiked Amount 60.000 Range 30 - 150 Recovery =					19.75%#	20.82%#
22)	S	Decachlorobiphen	17.12	20.27	2677460	2637168	41.377	39.975
		Spiked Amount 60.000 Range 30 - 150 Recovery =					68.96%	66.63%
		Target Compounds						
5)	MB	Aldrin	7.75	9.87	1953174	1560305	14.701	16.394
6)	B	beta-BHC	5.69	8.22	1094329	854114	13.000	13.672
	B	delta-BHC	6.18	9.10	2111881	1611401	14.264	15.649
	B	Heptachlor Epoxi	8.60	11.31	1703735	1348653	14.597	15.881
10)	B	gamma-Chlordane	9.13	11.86	1917369	1524479	15.609	17.153
11)	B	alpha-Chlordane	9.49	12.33	1925944	1549306	16.232	17.377
12)	B	4,4'-DDE	9.96	12.97	3521719	2866393	34.244	33.663
15)	B	Endosulfan II	10.85	14.56	3032833	2446847	34.546	38.155
18)	B	Endrin Aldehyde	11.34	15.23	2391647	1913729	33.231	39.327
19)	B	Endosulfan Sulfa	11.99	15.57	2801370	2191706	38.333	43.060
21)	B	Endrin Ketone	13.31	17.05	2972059	2404700	40.060	45.134
		Sum Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
		Sum Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
		Sum Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
		Sum Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
		Sum Aroclor-1248			0	0	N.D.	N.D.
		Average Aroclor-1248					0.000	0.000
		Sum Aroclor-1254			0	0	N.D.	N.D.
		Average Aroclor-1254					0.000	0.000

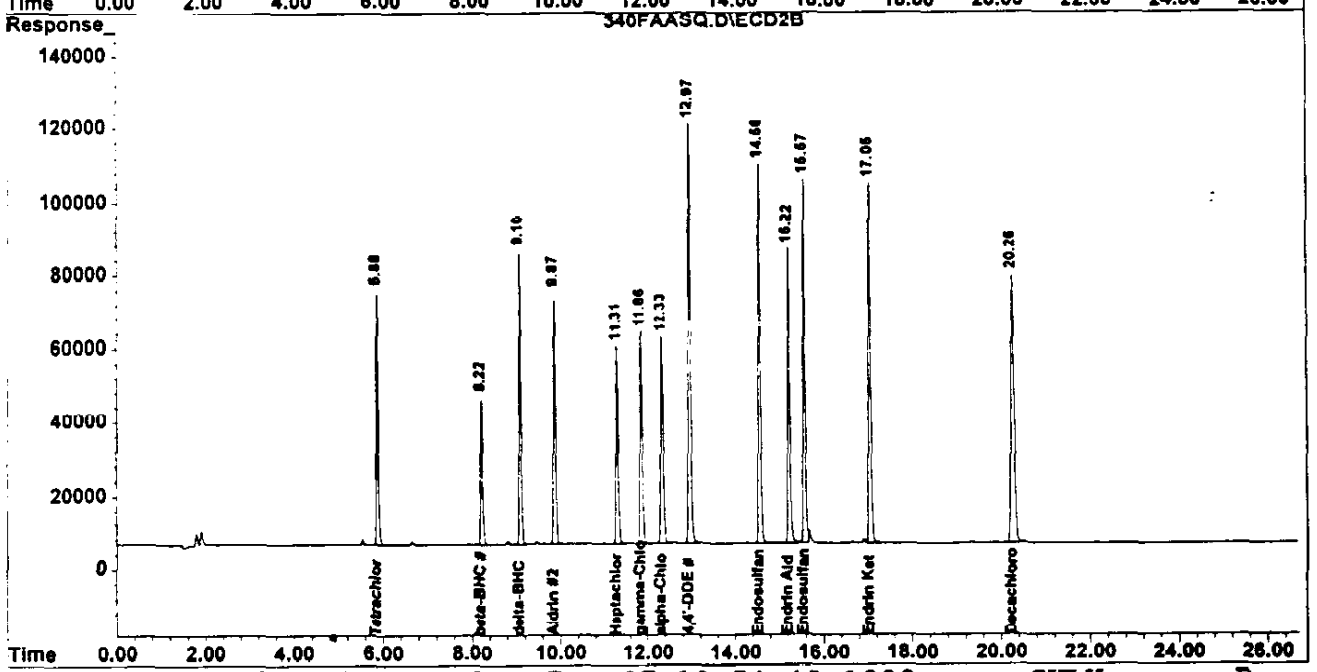
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\340FAASQ.D\ECD1A.CH Vial: 18
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\340FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 12:32 am Operator: TS
Sample : S-9428 Inst : SQ7
Misc : INDB CONC4 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:32 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\340FAASQ.D\ECD1A.CH Vial: 18
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\340FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 12:32 am Operator: TS
Sample : S-9428 Inst : SQ7
Misc : INDB CONC4 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:32 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

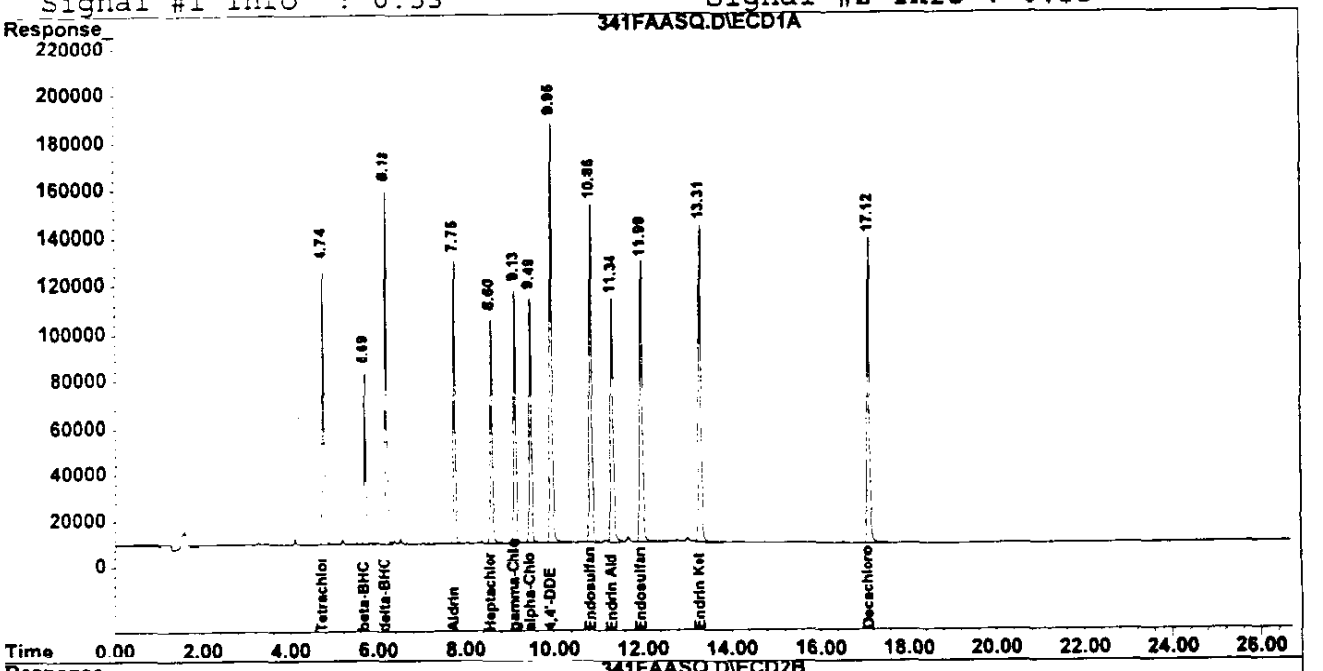
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.73	5.88	2574549	1921247	17.074	18.128
Spiked Amount 60.000 Range 30 - 150 Recovery =					28.46%#	30.21%
22) S Decachlorobiphen	17.12	20.26	3830684	3761176	59.198	57.013
Spiked Amount 60.000 Range 30 - 150 Recovery =					98.66%	95.02%
Target Compounds						
5) MB Aldrin	7.75	9.87	2897296	2360944	21.806	24.806
6) B beta-BHC	5.69	8.22	1586203	1258233	18.843	20.141
` B delta-BHC	6.18	9.10	3162474	2472175	21.359	24.008
B Heptachlor Epoxi	8.60	11.31	2481777	2004744	21.264	23.607
10) B gamma-Chlordane	9.13	11.86	2838761	2301766	23.110	25.898
11) B alpha-Chlordane	9.49	12.33	2828154	2320643	23.836	26.028
12) B 4,4'-DDE	9.95	12.97	5149591	4258281	50.073	50.009
15) B Endosulfan II	10.85	14.56	4372634	3559880	49.807	55.512
18) B Endrin Aldehyde	11.33	15.23	3428407	2764264	47.636	56.806
19) B Endosulfan Sulfa	11.99	15.57	4070800	3208834	55.704	63.044
21) B Endrin Ketone	13.31	17.05	4214166	3486635	56.803	65.441
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

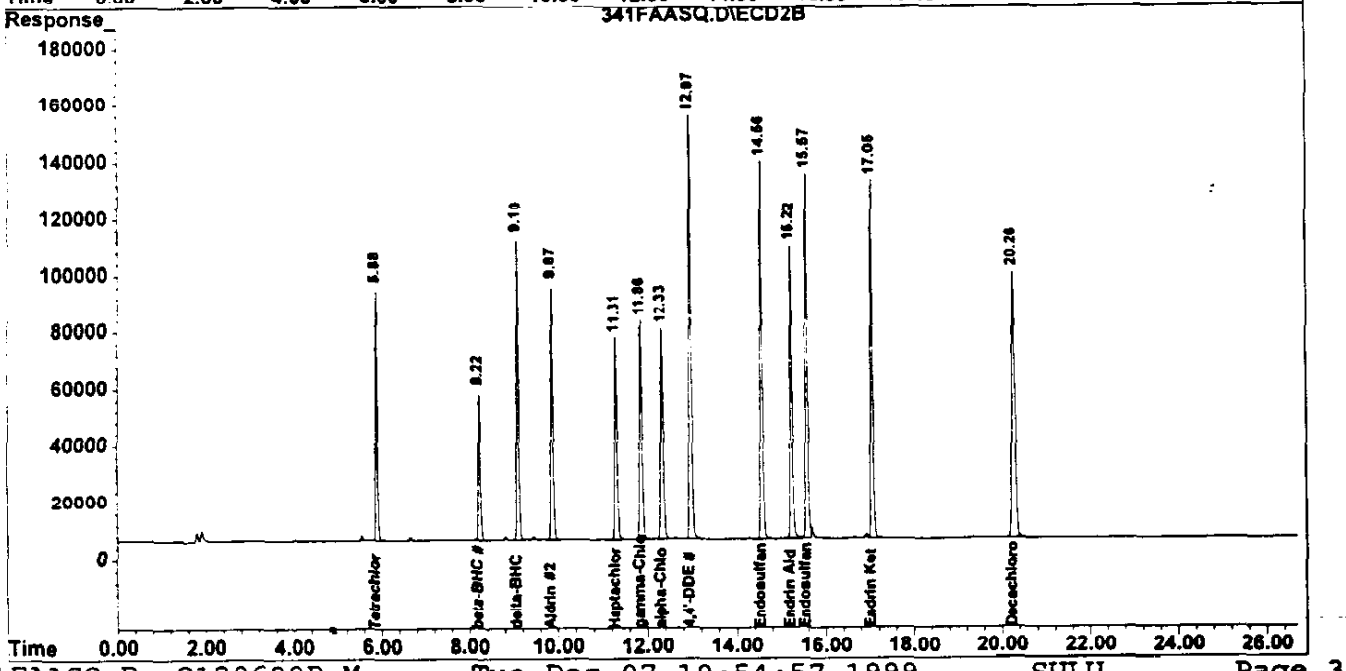
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int
340FAASQ.D Q120699P.M Tue Dec 07 10:54:34 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\341FAASQ.D\ECD1A.CH Vial: 19
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\341FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 1:02 am Operator: TS
Sample : S-9429 Inst : SQ7
Misc : INDB CONC5 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:22 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\341FAASQ.D\ECD1A.CH Vial: 19
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\341FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 1:02 am Operator: TS
Sample : S-9429 Inst : SQ7
Misc : INDB CONC5 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:22 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial.Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

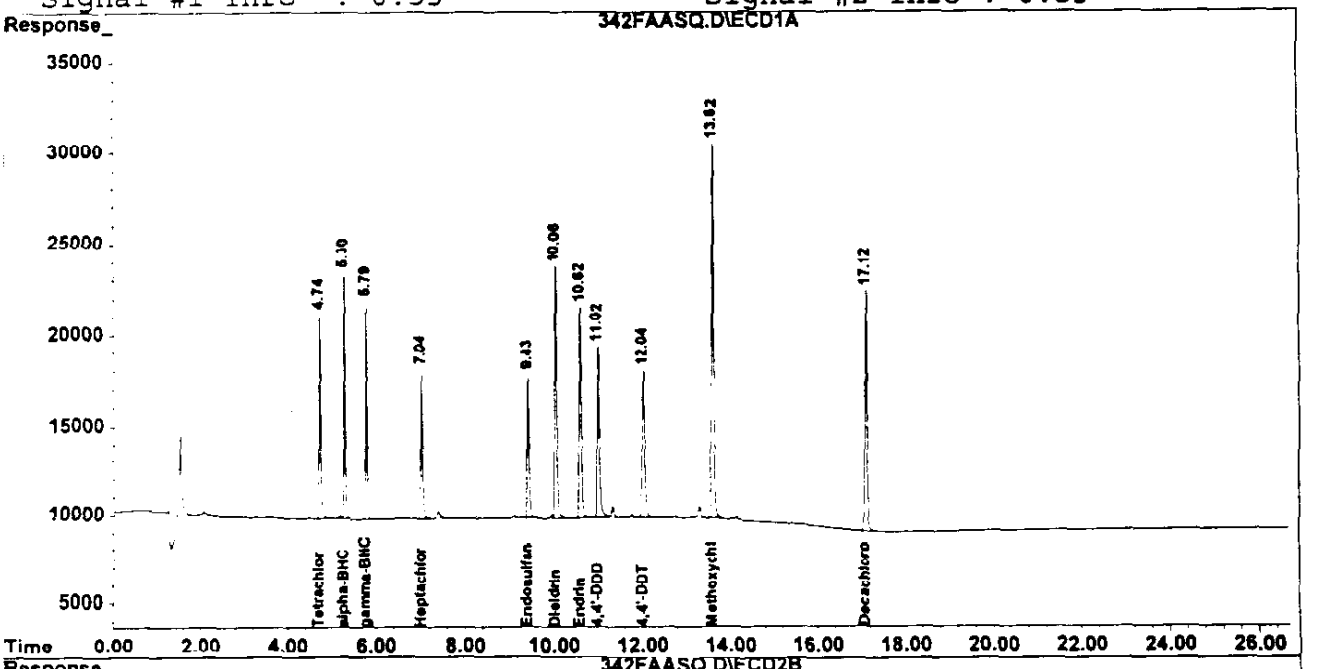
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	4.74	5.88	3312586	2478047	21.969	23.381
		Spiked Amount 60.000 Range 30 - 150 Recovery =					36.62%	38.97%
22)	S	Decachlorobiphen	17.12	20.26	4935272	4828879	76.268	73.197
		Spiked Amount 60.000 Range 30 - 150 Recovery =					127.11%	122.00%
		Target Compounds						
5)	MB	Aldrin	7.75	9.87	3800366	3138972	28.603	32.981
6)	B	beta-BHC	5.69	8.22	2044612	1636481	24.289	26.195
[illegible]	B	delta-BHC	6.18	9.10	4182262	3317046	28.247	32.213
[illegible]	B	Heptachlor Epoxi	8.60	11.31	3237603	2660285	27.739	31.326
10)	B	gamma-Chlordane	9.13	11.86	3742447	3064400	30.466	34.479
11)	B	alpha-Chlordane	9.49	12.33	3714087	3074736	31.303	34.486
12)	B	4,4'-DDE	9.96	12.97	6674658	5615769	64.902	65.951
15)	B	Endosulfan II	10.86	14.56	5627188	4638357	64.097	72.329
18)	B	Endrin Aldehyde	11.34	15.23	4397910	3584313	61.106	73.658
19)	B	Endosulfan Sulfa	11.99	15.57	5283692	4201573	72.301	82.548
21)	B	Endrin Ketone	13.31	17.05	5384326	4527875	72.575	84.984
		Sum Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
		Sum Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
		Sum Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
		Sum Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
		Sum Aroclor-1248			0	0	N.D.	N.D.
		Average Aroclor-1248					0.000	0.000
		Sum Aroclor-1254			0	0	N.D.	N.D.
		Average Aroclor-1254					0.000	0.000

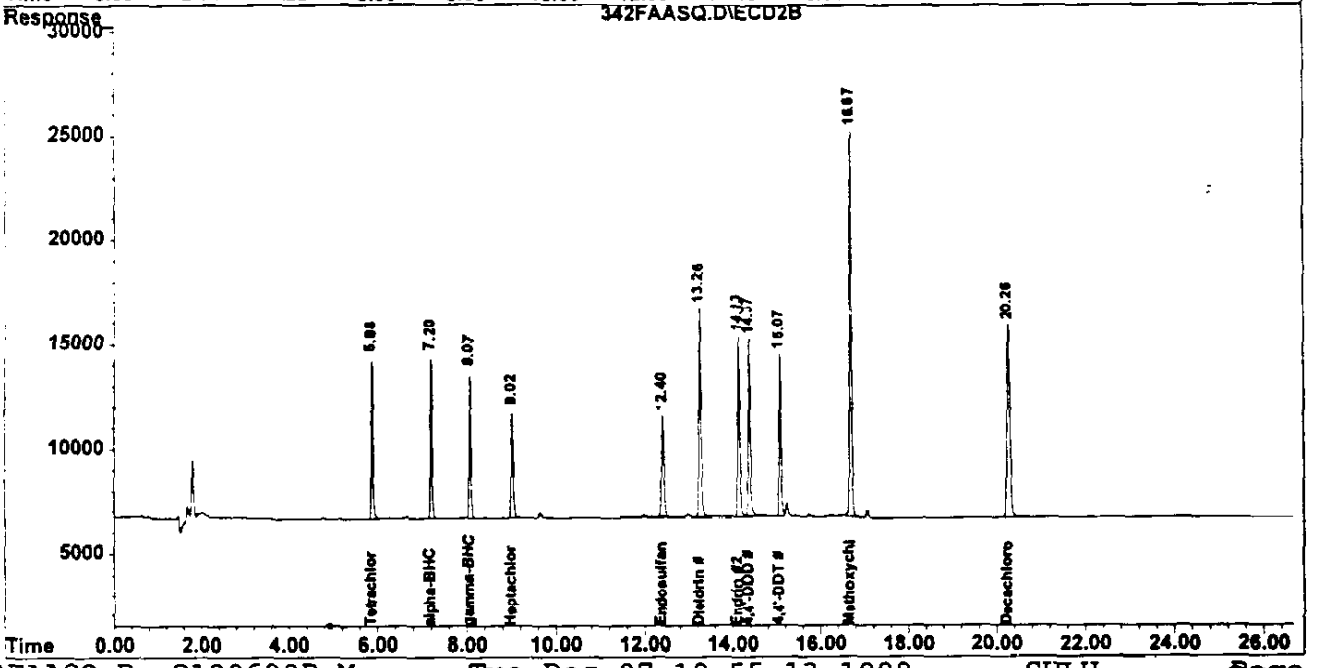
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\342FAASQ.D\ECD1A.CH Vial: 20
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\342FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 1:32 am Operator: TS
Sample : S-9419 Inst : SQ7
Misc : INDA CONC1 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:23 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\342FAASQ.D\ECD1A.CH Vial: 20
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\342FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 1:32 am Operator: TS
Sample : S-9419 Inst : SQ7
Misc : INDA CONC1 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:23 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

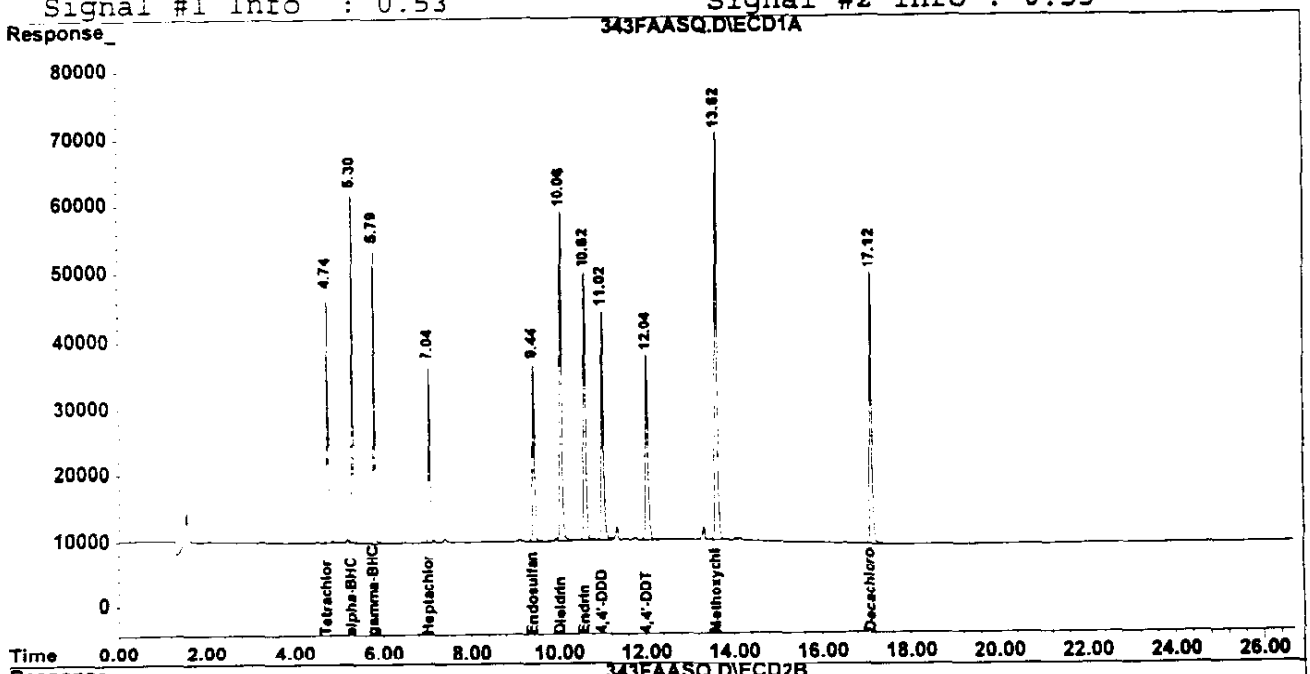
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	282084	204031	1.871	1.925
Spiked Amount 60.000 Range 30 - 150 Recovery =					3.12%#	3.21%#
22) S Decachlorobiphen	17.12	20.26	467428	462831	7.223	7.016
Spiked Amount 60.000 Range 30 - 150 Recovery =					12.04%#	11.69%#
Target Compounds						
2) A alpha-BHC	5.30	7.20	295133	208304	1.614	1.615
3) MA gamma-BHC	5.79	8.07	280980	201978	1.694	1.665
MA Heptachlor	7.04	9.02	221683	169129	1.595	1.670
A Endosulfan I	9.44	12.41	254417	199058	2.269	2.374
13) MA Dieldrin	10.07	13.26	476498	365389	4.355	4.070
14) MA Endrin	10.62	14.13	410364	295449	4.561	4.331
16) A 4,4'-DDD	11.02	14.37	355563	275714	4.264	4.370
17) MA 4,4'-DDT	12.04	15.08	330750	239658	4.368	4.359
20) A Methoxychlor	13.62	16.67	736880	578917	25.026m	23.182m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
rage Aroclor-1260					0.000	0.000

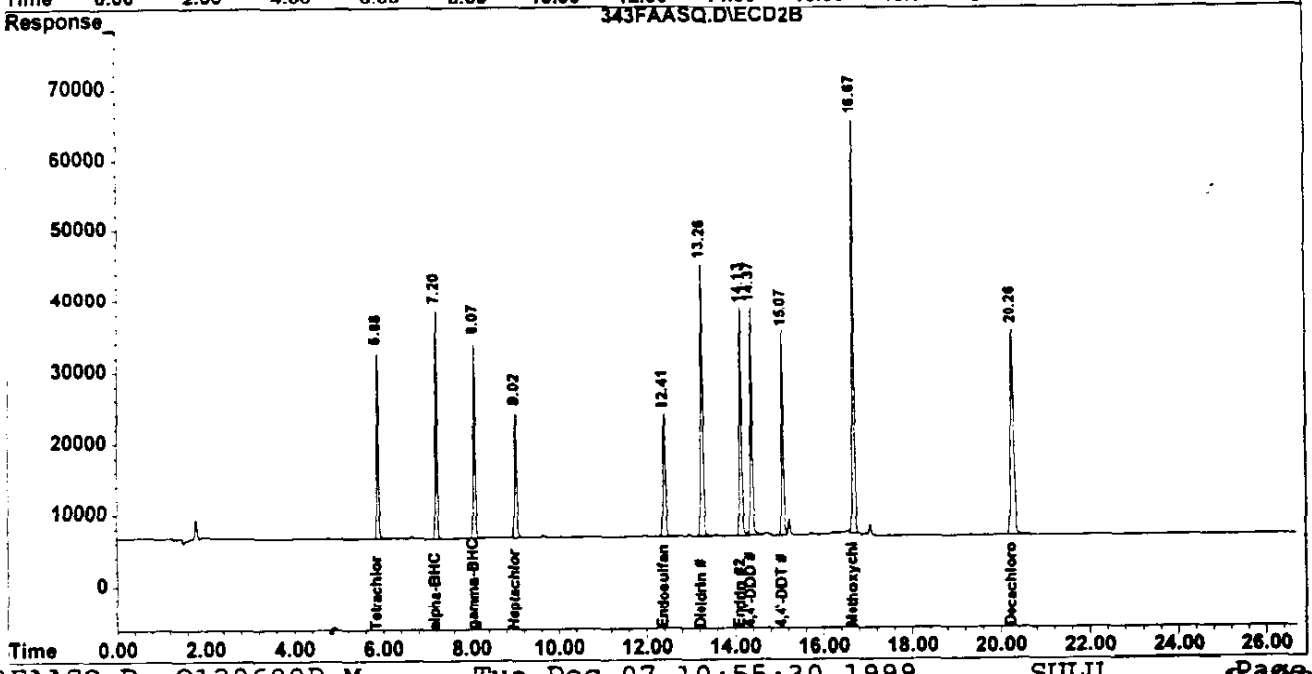
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\343FAASQ.D\ECD1A.CH Vial: 21
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\343FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 2:02 am Operator: TS
Sample : S-9420 Inst : SQ7
Misc : INDA CONC2 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:24 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\343FAASQ.D\ECD1A.CH Vial: 21
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\343FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 2:02 am Operator: TS
Sample : S-9420 Inst : SQ7
Misc : INDA CONC2 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:24 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

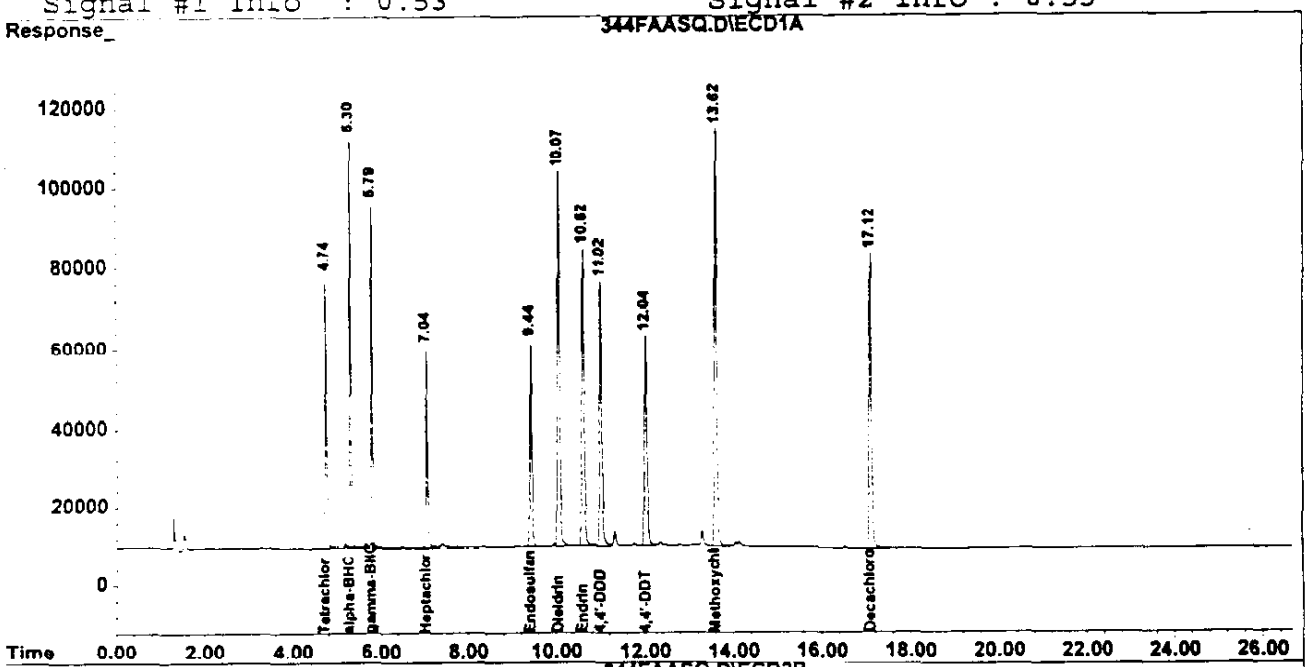
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	4.74	5.88	972308	708206	6.448	6.682
Spiked Amount		60.000	Range 30 - 150		Recovery =	10.75%#	11.14%#
22) S	Decachlorobiphen	17.12	20.26	1486750	1470371	22.976	22.288
Spiked Amount		60.000	Range 30 - 150		Recovery =	38.29%	37.15%
	Target Compounds						
2) A	alpha-BHC	5.30	7.20	1176832	860049	6.435	6.666
3) MA	gamma-BHC	5.79	8.07	1069660	791775	6.449	6.525
MA	Heptachlor	7.04	9.02	730532	579218	5.257	5.718
A	Endosulfan I	9.44	12.41	898043	704306	8.011	8.401
13) MA	Dieldrin	10.07	13.26	1715266	1386105	15.676	15.438
14) MA	Endrin	10.62	14.13	1462787	1097428	16.259	16.086
16) A	4,4'-DDD	11.02	14.37	1257094	1041430	15.076	16.507
17) MA	4,4'-DDT	12.04	15.07	1150533	852607	15.193	15.509
20) A	Methoxychlor	13.62	16.67	2202343	1819485	74.796m	72.859m
Sum	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
Sum	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
Sum	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
Sum	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
Sum	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
Sum	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
Sum	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

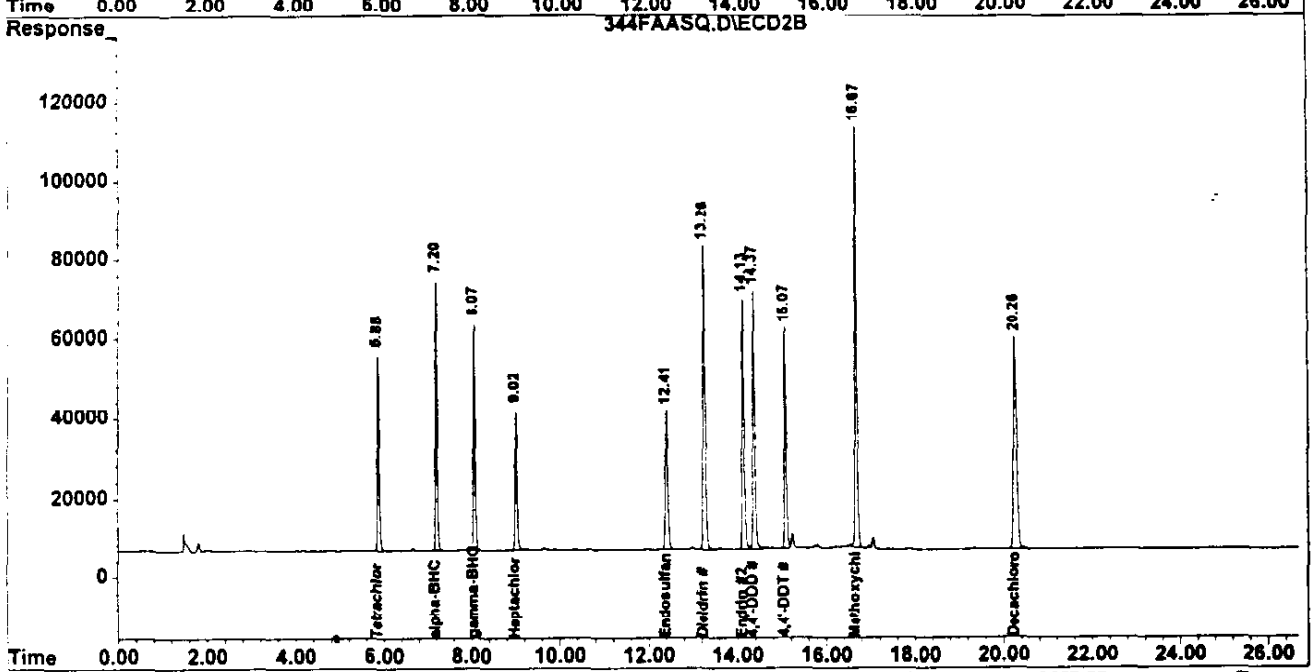
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\344FAASQ.D\ECD1A.CH Vial: 22
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\344FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 2:32 am Operator: TS
Sample : S-9421 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:33 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\344FAASQ.D\ECD1A.CH Vial: 22
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\344FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 2:32 am Operator: TS
Sample : S-9421 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:33 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

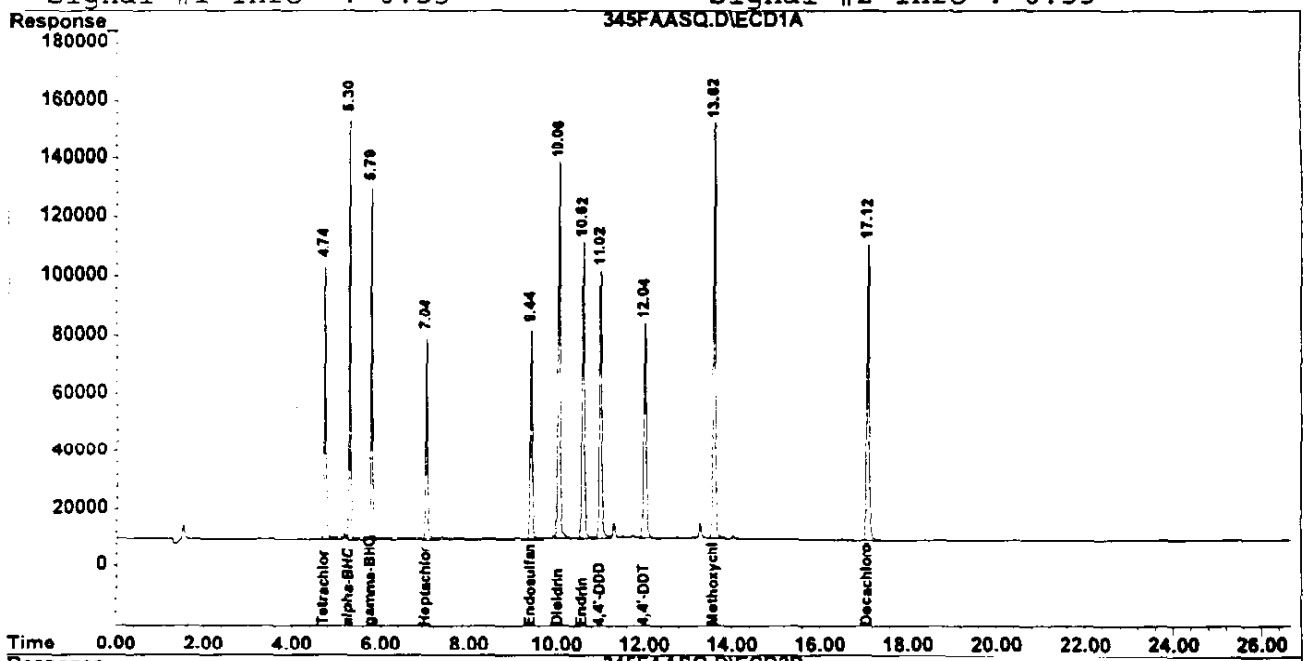
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1841230	1363291	12.211m	12.863
Spiked Amount 60.000 Range 30 - 150 Recovery =					20.35%#	21.44%#
22) S Decachlorobiphen	17.12	20.26	2781615	2732867	42.986	41.425
Spiked Amount 60.000 Range 30 - 150 Recovery =					71.64%	69.04%
Target Compounds						
2) A alpha-BHC	5.30	7.21	2439824	1863146	13.342	14.441
3) MA gamma-BHC	5.79	8.07	2173579	1691613	13.104	13.941
) MA Heptachlor	7.04	9.02	1437948	1150398	10.349	11.357
) A Endosulfan I	9.44	12.41	1770100	1423900	15.790	16.984
13) MA Dieldrin	10.07	13.26	3351156	2820732	30.627	31.417
14) MA Endrin	10.62	14.13	2824474	2197242	31.394	32.208
16) A 4,4'-DDD	11.02	14.37	2472080	2114985	29.648	33.524
17) MA 4,4'-DDT	12.04	15.08	2204771	1695369	29.114	30.839
20) A Methoxychlor	13.62	16.67	3860598	3332340	131.113	133.439m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
:rage Aroclor-1260					0.000	0.000

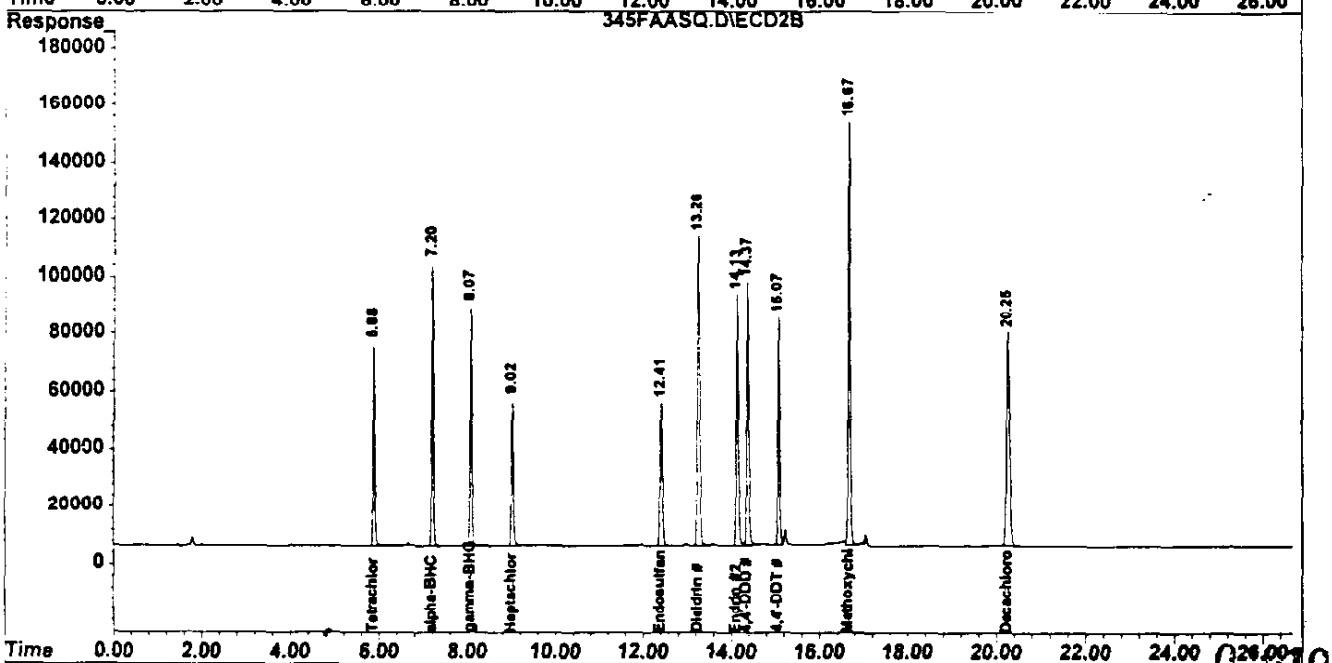
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\345FAASQ.D\ECD1A.CH Vial: 23
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\345FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 3:03 am Operator: TS
Sample : S-9422 Inst : SQ7
Misc : INDA CONC4 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:27 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\345FAASQ.D\ECD1A.CH Vial: 23
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\345FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 3:03 am Operator: TS
Sample : S-9422 Inst : SQ7
Misc : INDA CONC4 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:27 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

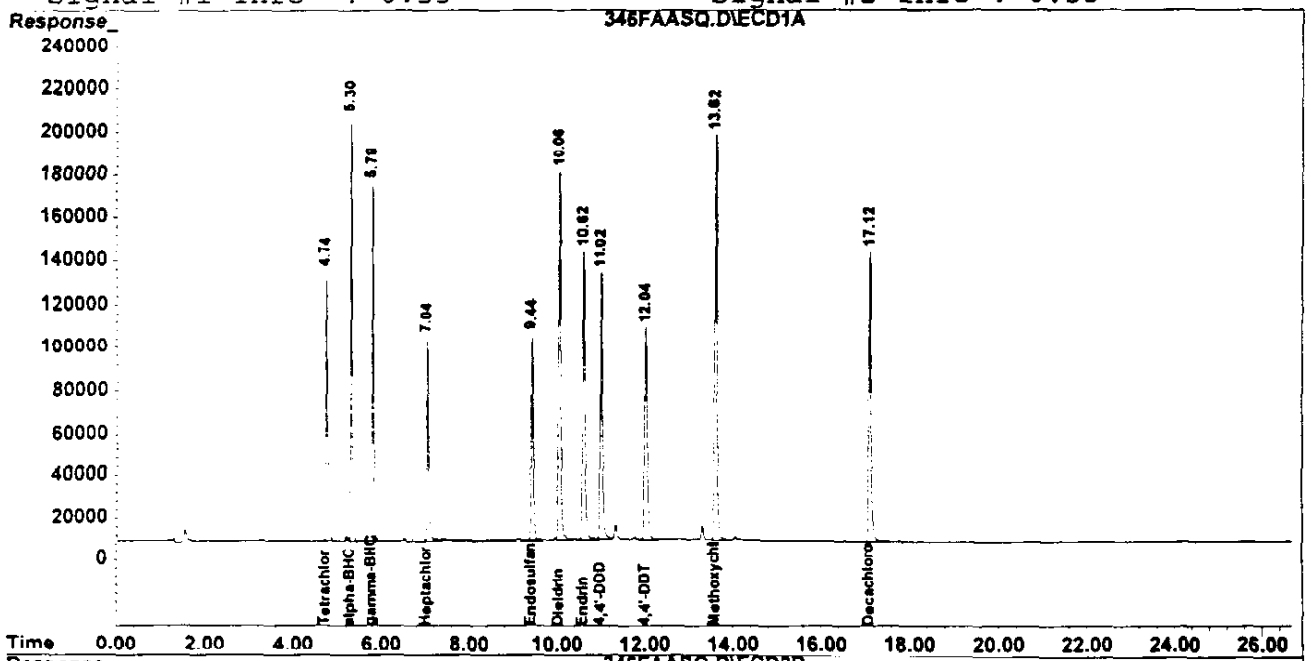
		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	4.74	5.88	2614827	1935269	17.341	18.260
		Spiked Amount 60.000 Range 30 - 150 Recovery =					28.90%#	30.43%
22)	S	Decachlorobiphen	17.12	20.26	3873440	3787003	59.859	57.404
		Spiked Amount 60.000 Range 30 - 150 Recovery =					99.77%	95.67%
		Target Compounds						
2)	A	alpha-BHC	5.30	7.21	3530282	2740162	19.305	21.238
3)	MA	gamma-BHC	5.79	8.07	3112214	2464453	18.763	20.310
	MA	Heptachlor	7.04	9.02	2023791	1663630	14.565	16.424
	A	Endosulfan I	9.44	12.41	2508186	2047915	22.374	24.427
13)	MA	Dieldrin	10.07	13.26	4729352	4013984	43.223	44.708
14)	MA	Endrin	10.62	14.13	3940250	3108391	43.797	45.563
16)	A	4,4'-DDD	11.02	14.37	3461313	2989493	41.512	47.385
17)	MA	4,4'-DDT	12.04	15.07	3077694	2405016	40.641	43.747
20)	A	Methoxychlor	13.62	16.67	5218902	4644001	177.244	185.962m
		Sum Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
		Sum Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
		Sum Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
		Sum Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
		Sum Aroclor-1248			0	0	N.D.	N.D.
		Average Aroclor-1248					0.000	0.000
		Sum Aroclor-1254			0	0	N.D.	N.D.
		Average Aroclor-1254					0.000	0.000
		Sum Aroclor-1260			0	0	N.D.	N.D.
		rage Aroclor-1260					0.000	0.000

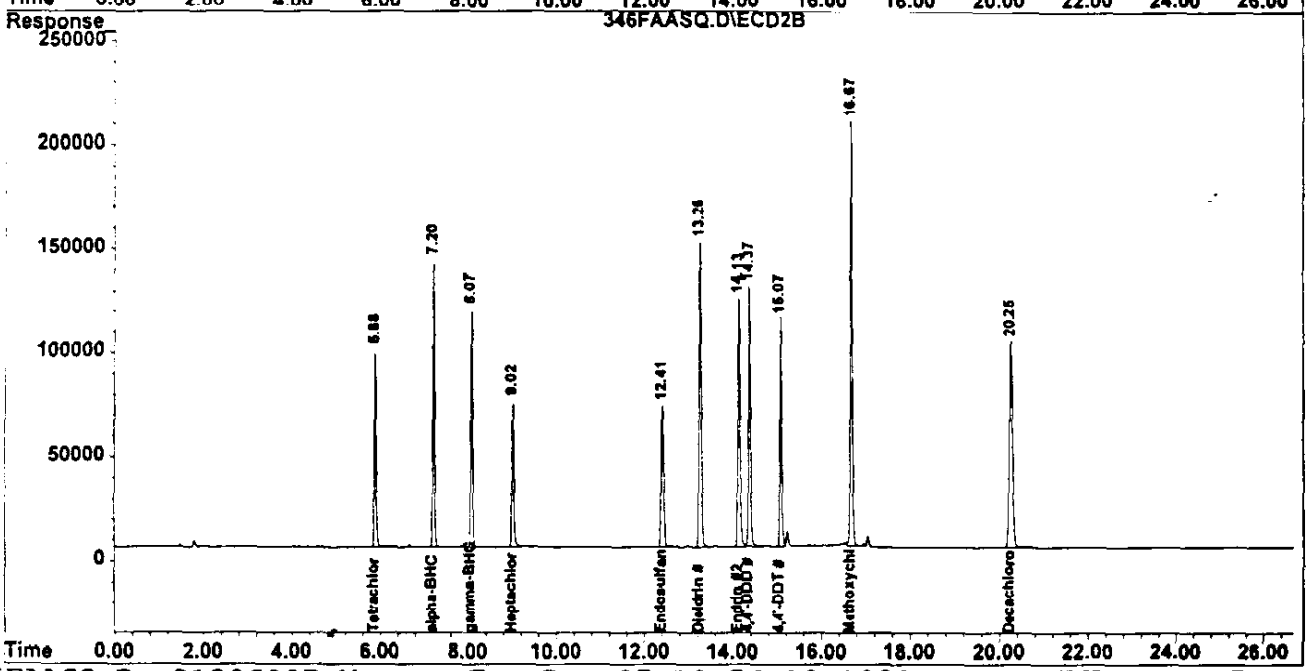
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\346FAASQ.D\ECD1A.CH Vial: 24
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\346FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 3:33 am Operator: TS
Sample : S-9423 Inst : SQ7
Misc : INDA CONC5 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:28 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\346FAASQ.D\ECD1A.CH Vial: 24
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\346FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 3:33 am Operator: TS
Sample : S-9423 Inst : SQ7
Misc : INDA CONC5 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:28 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:11:11 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

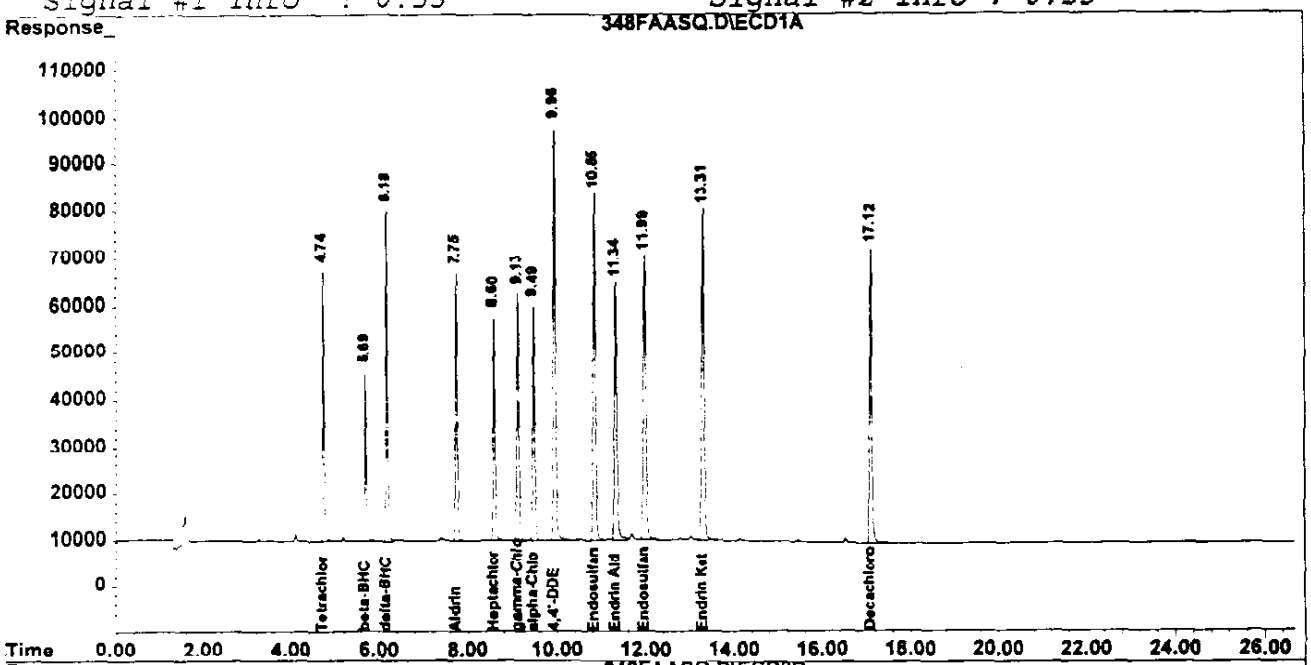
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	3463201	2637069	22.967m	24.882
Spiked Amount 60.000 Range 30 - 150 Recovery =					38.28%	41.47%
22) S Decachlorobiphen	17.12	20.26	5225070	5105596	80.747	77.391
Spiked Amount 60.000 Range 30 - 150 Recovery =					134.58%	128.99%
Target Compounds						
2) A alpha-BHC	5.30	7.21	4911563	3883600	26.858	30.101
3) MA gamma-BHC	5.79	8.07	4316003	3458056	26.020	28.498
` MA Heptachlor	7.04	9.02	2754772	2318955	19.825	22.893
A Endosulfan I	9.44	12.41	3407194	2832059	30.393	33.780
13) MA Dieldrin	10.07	13.26	6419657	5545471	58.671	61.765
14) MA Endrin	10.62	14.13	5311883	4268513	59.042	62.569
16) A 4,4'-DDD	11.02	14.37	4721348	4135278	56.624	65.547
17) MA 4,4'-DDT	12.04	15.07	4196997	3324757	55.421	60.477
20) A Methoxychlor	13.62	16.67	6928544	6319641	235.306	253.061m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
rage Aroclor-1260					0.000	0.000

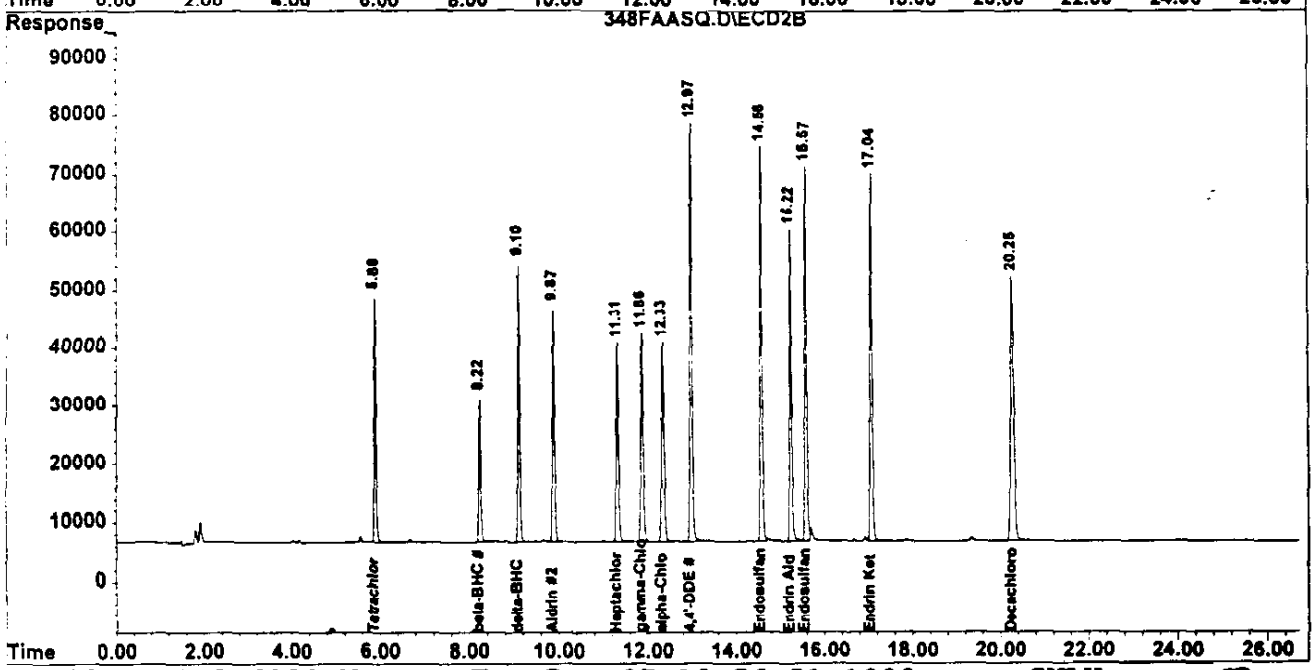
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\348FAASQ.D\ECD1A.CH Vial: 26
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\348FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 4:33 am Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:41 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\348FAASQ.D\ECD1A.CH Vial: 26
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\348FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 4:33 am Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:41 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

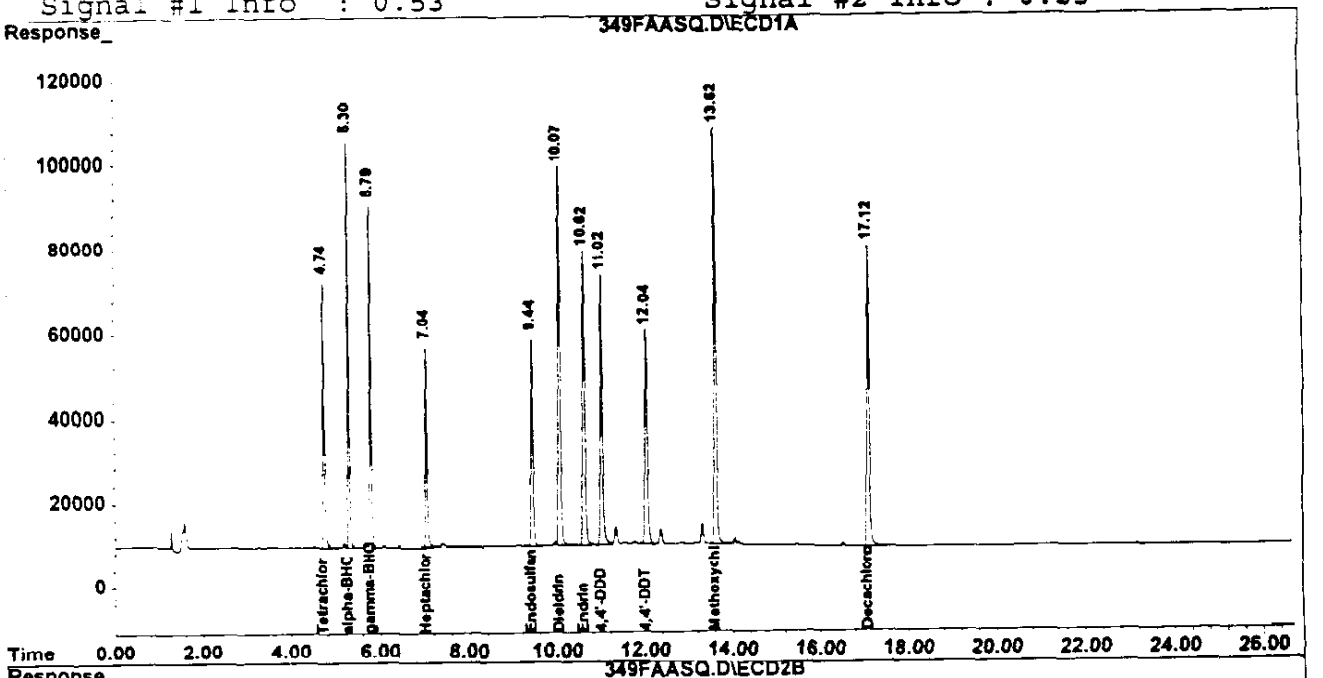
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1557856	1156913	32.737	32.957
Spiked Amount 60.000 Range 30 - 150 Recovery =					54.56%	54.93%
22) S Decachlorobiphen	17.12	20.25	2363517	2322411	64.360	64.272
Spiked Amount 60.000 Range 30 - 150 Recovery =					107.27%	107.12%
Target Compounds						
5) MB Aldrin	7.75	9.87	1716789	1372827	34.508	34.769
6) B beta-BHC	5.70	8.22	998897	770694	34.777	34.467
[illegible] B delta-BHC	6.18	9.10	1901097	1438152	36.064	36.122
[illegible] B Heptachlor Epoxi	8.60	11.31	1555100	1244402	35.345	35.658
10) B gamma-Chlordane	9.13	11.86	1752142	1406147	35.486	35.781
11) B alpha-Chlordane	9.49	12.33	1721546	1399666	34.728	35.126
12) B 4,4'-DDE	9.96	12.97	3192357	2622197	71.913	73.253
15) B Endosulfan II	10.86	14.56	2837196	2269929	72.316	72.458
18) B Endrin Aldehyde	11.34	15.23	2274137	1806008	72.700	72.737
19) B Endosulfan Sulfa	11.99	15.57	2587648	2032328	70.809	71.879
21) B Endrin Ketone	13.31	17.04	2738146	2205780	70.153	71.085
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

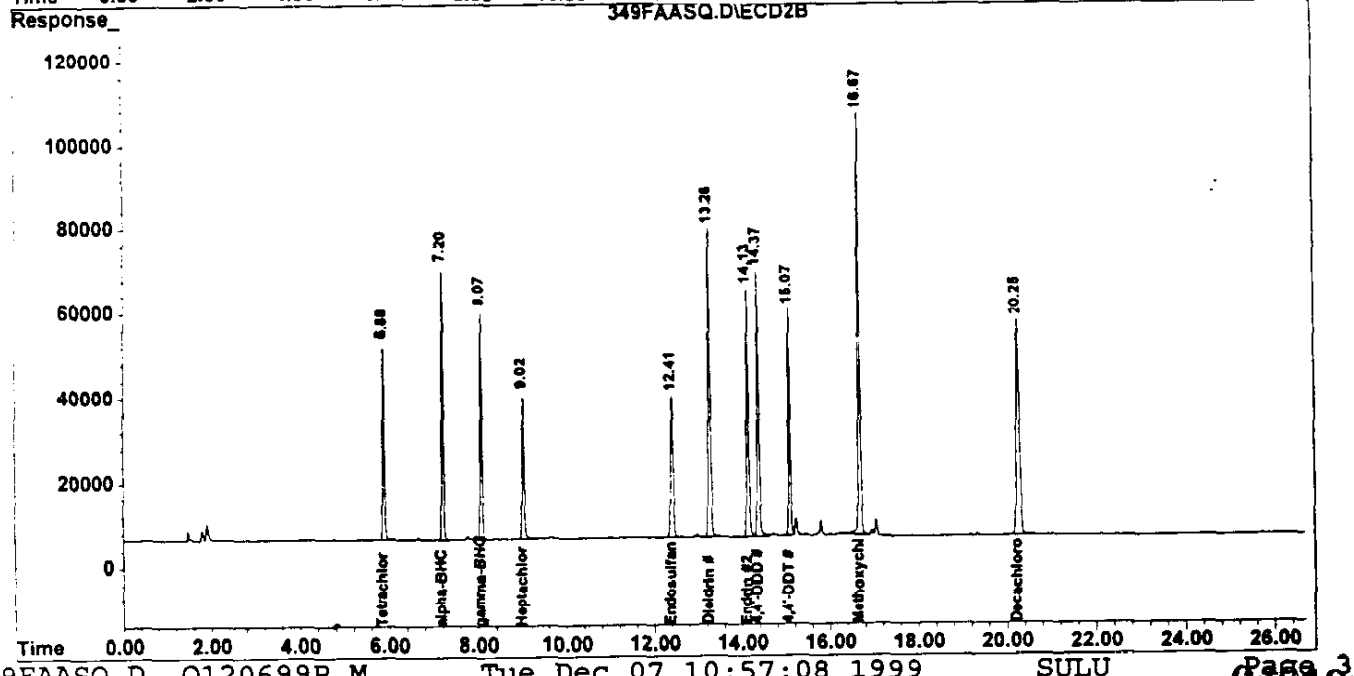
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\349FAASQ.D\ECD1A.CH Vial: 27
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\349FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 5:03 am Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:42 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\349FAASQ.D\ECD1A.CH Vial: 27
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\349FAASQ.D\ECD2B.CH
Acq On : 7 Dec 1999 5:03 am Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 7 10:42 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

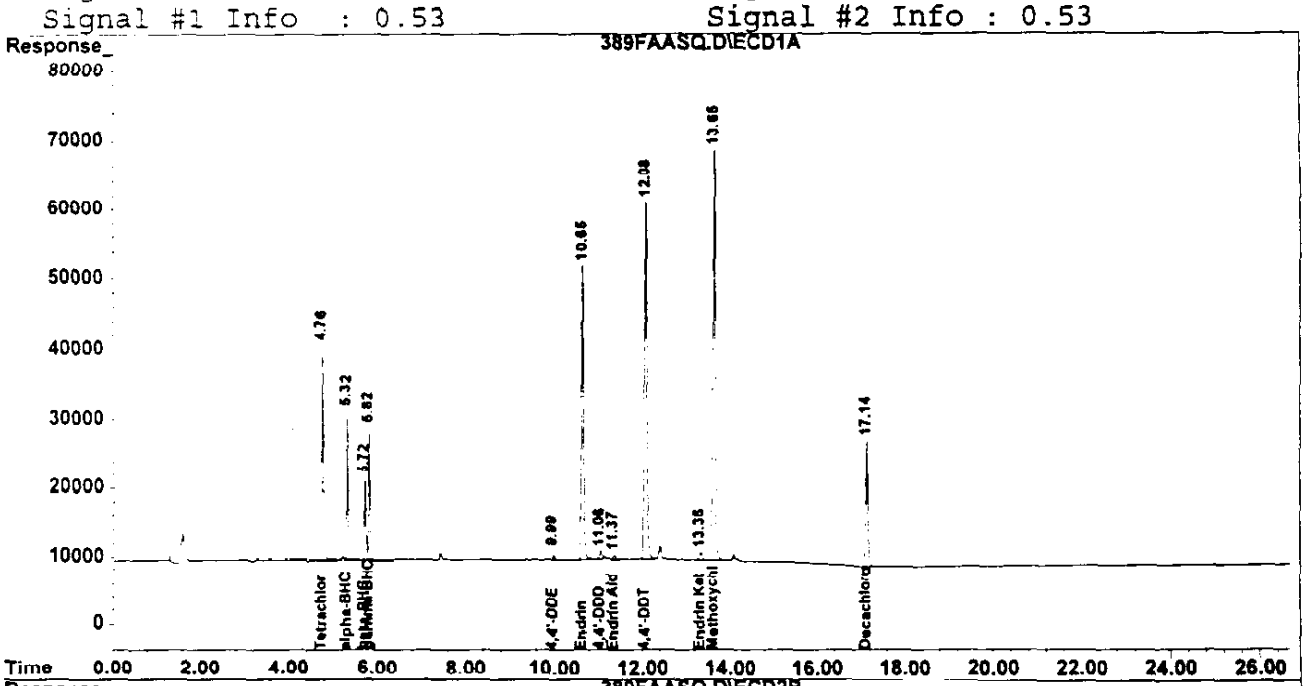
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.74	5.88	1694452	1245621	35.608	35.484
	Spiked Amount 60.000 Range 30 - 150 Recovery =					59.35%	59.14%
22)	S Decachlorobiphen	17.12	20.25	2651931	2605599	72.214	72.109
	Spiked Amount 60.000 Range 30 - 150 Recovery =					120.36%	120.18%
	Target Compounds						
2)	A alpha-BHC	5.30	7.21	2299734	1751155	38.445	38.836
3)	MA gamma-BHC	5.79	8.07	2044226	1583993	37.879	38.339
	MA Heptachlor	7.04	9.02	1350819	1119889	36.513	37.768
	A Endosulfan I	9.44	12.41	1697773	1360251	37.824	37.752
13)	MA Dieldrin	10.07	13.26	3176011	2660673	74.922	76.211
14)	MA Endrin	10.62	14.13	2618980	2024585	73.178	73.875
16)	A 4,4'-DDD	11.02	14.37	2354865	1997632	75.362	76.361
17)	MA 4,4'-DDT	12.04	15.08	2081217	1611658	73.658	75.104
20)	A Methoxychlor	13.62	16.67	3603921	3166377	341.541	354.608
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor 1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	rage Aroclor-1260					0.000	0.000

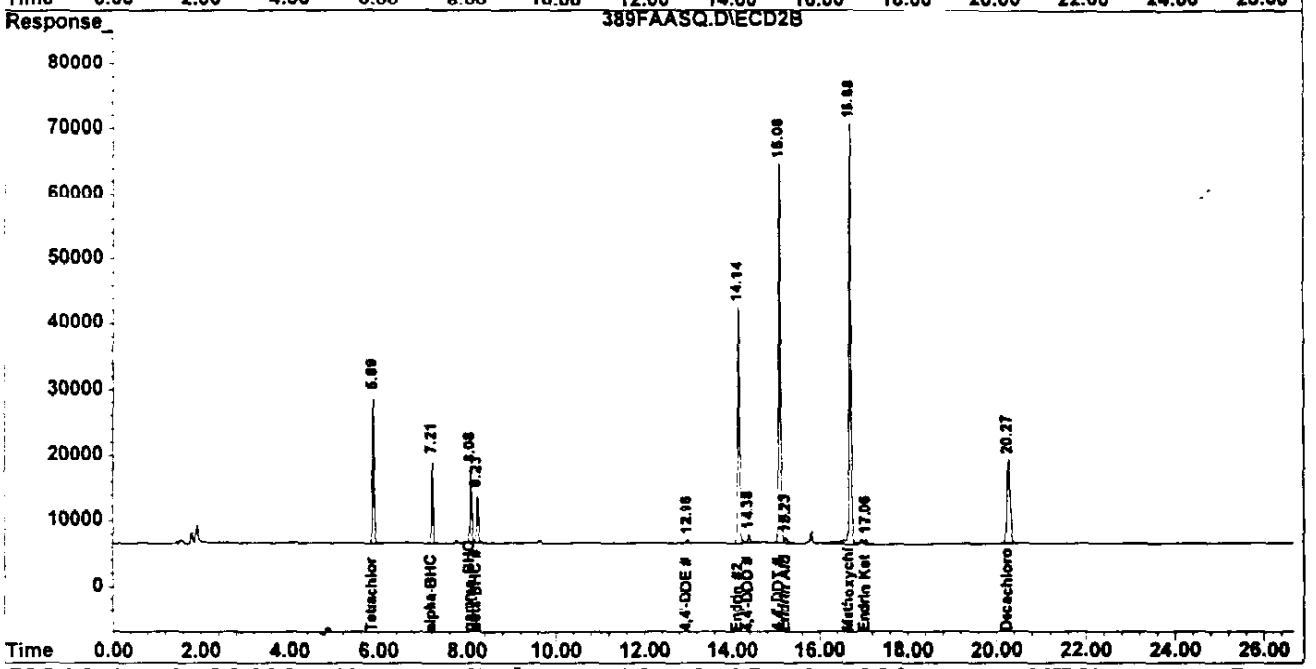
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\389FAASQ.D\ECD1A.CH Vial: 1
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\389FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 5:50 pm Operator: TS
Sample : S-9544 Inst : SQ7
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 18:25 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\389FAASQ.D\ECD1A.CH Vial: 1
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\389FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 5:50 pm Operator: TS
Sample : S-9544 Inst : SQ7
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 18:25 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

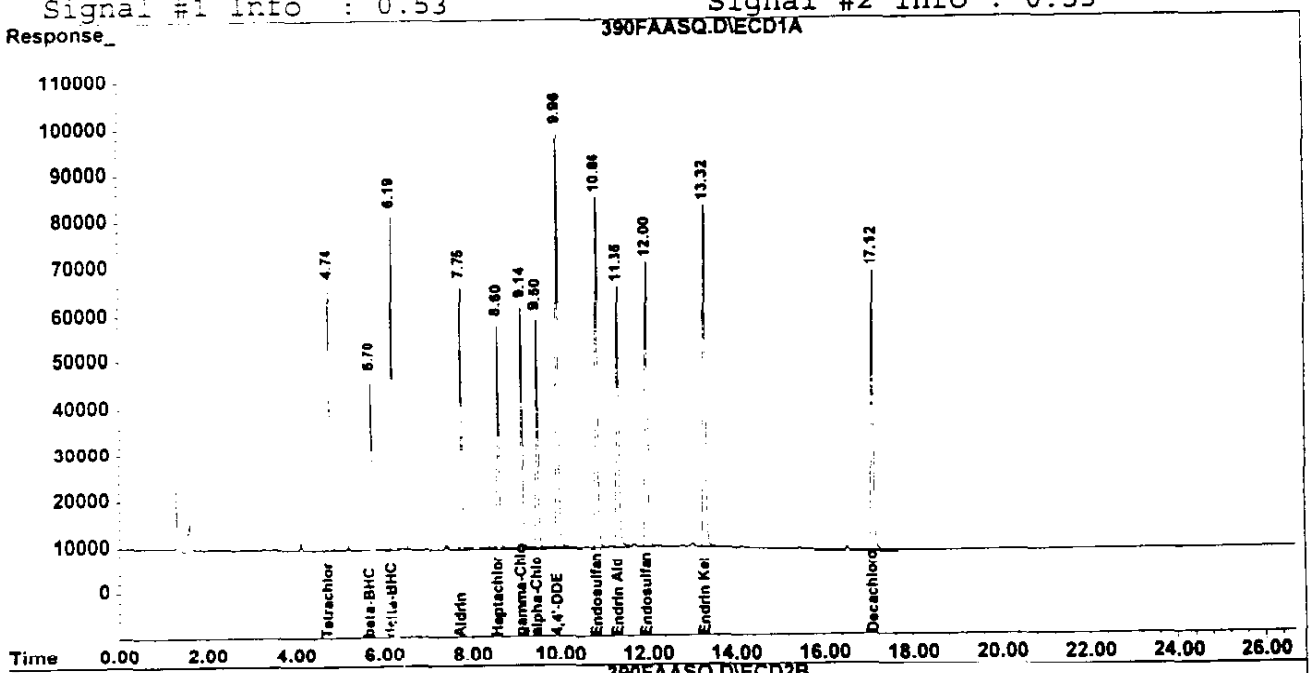
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.77f	5.89	794866	595024	16.704	16.951
Spiked Amount 60.000 Range 30 - 150 Recovery =					27.84%#	28.25%#
22) S Decachlorobiphen	17.14	20.27	641157	644581	17.459	17.838
Spiked Amount 60.000 Range 30 - 150 Recovery =					29.10%#	29.73%#
Target Compounds						
2) A alpha-BHC	5.33f	7.21	452893	330105	7.571	7.321
3) MA gamma-BHC	5.82f	8.08	443761	318502	8.223	7.709
' B beta-BHC	5.73f	8.23	292676	219094	10.190	9.798
, B 4,4'-DDE	9.99	12.98	25617	21882	0.577m	0.611
14) MA Endrin	10.66f	14.14	1537981	1202017	42.973	43.860
16) A 4,4'-DDD	11.06f	14.38	42744	53108	1.368	2.030 #
17) MA 4,4'-DDT	12.08f	15.09	2132469	1760040	75.471	82.019
18) B Endrin Aldehyde	11.38f	15.24	25813	38431	0.825	1.548 #
20) A Methoxychlor	13.65	16.68	2121629	2081239	201.066	233.081
21) B Endrin Ketone	13.35	17.06	39698	29201	1.017	0.941
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

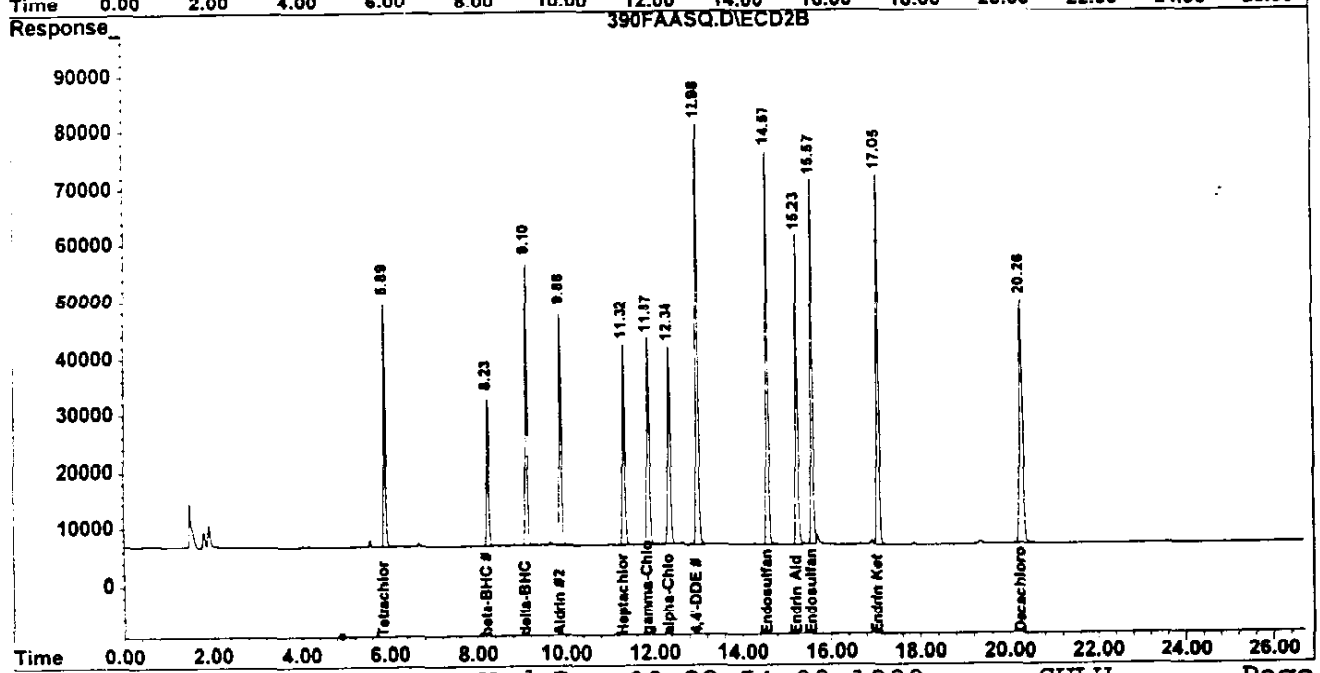
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\390FAASQ.D\ECD1A.CH Vial: 2
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\390FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 7:20 pm Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 22:51 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\390FAASQ.D\ECD1A.CH Vial: 2
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\390FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 7:20 pm Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 22:51 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

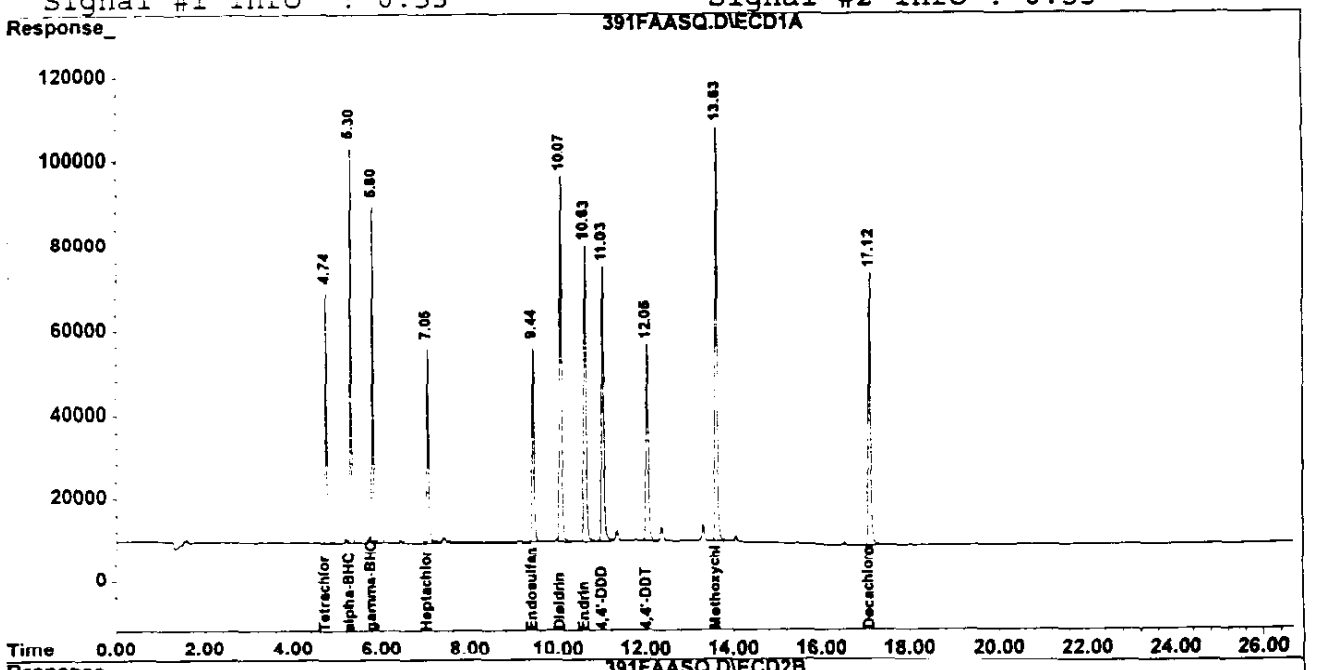
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	4.74	5.89	1521797	1192892	31.979	33.982
Spiked Amount	60.000 Range 30 - 150 Recovery =					53.30%	56.64%
22) S	Decachlorobiphen	17.12	20.26	2226547	2209916	60.630	61.158
Spiked Amount	60.000 Range 30 - 150 Recovery =					101.05%	101.93%
	Target Compounds						
5) MB	Aldrin	7.76	9.88	1701846	1408673	34.208	35.677
6) B	beta-BHC	5.70	8.23	1021421	815942	35.561	36.491
` B	delta-BHC	6.19	9.11	1934762	1526024	36.703	38.329
, B	Heptachlor Epoxi	8.61	11.32	1567195	1294286	35.620	37.088
10) B	gamma-Chlordane	9.14	11.87	1744100	1430310	35.323	36.396
11) B	alpha-Chlordane	9.50	12.34	1698848	1396877	34.270	35.056
12) B	4,4'-DDE	9.97	12.98	3216709	2680530	72.462	74.883
15) B	Endosulfan II	10.86	14.57	2834551	2309673	72.249	73.727
18) B	Endrin Aldehyde	11.35	15.23	2303646	1814797	73.643	73.091
19) B	Endosulfan Sulfa	12.00	15.58	2567619	2020660	70.261	71.466
21) B	Endrin Ketone	13.32	17.05	2858677	2265877	73.241	73.022
Sum	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
Sum	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
Sum	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
Sum	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
Sum	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
Sum	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000

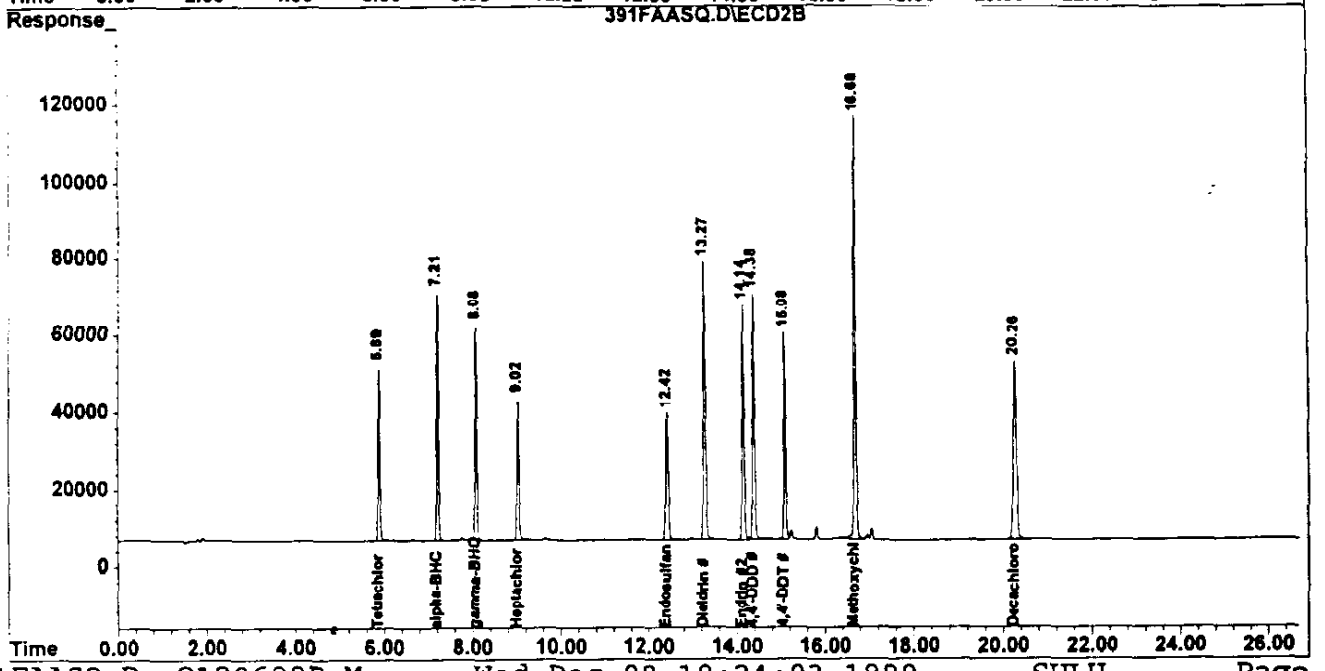
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
390FAASQ.D Q120699P.M Wed Dec 08 22:53:53 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\391FAASQ.D\ECD1A.CH Vial: 3
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\391FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 6:50 pm Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 19:22 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\391FAASQ.D\ECD1A.CH Vial: 3
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\391FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 6:50 pm Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 19:22 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

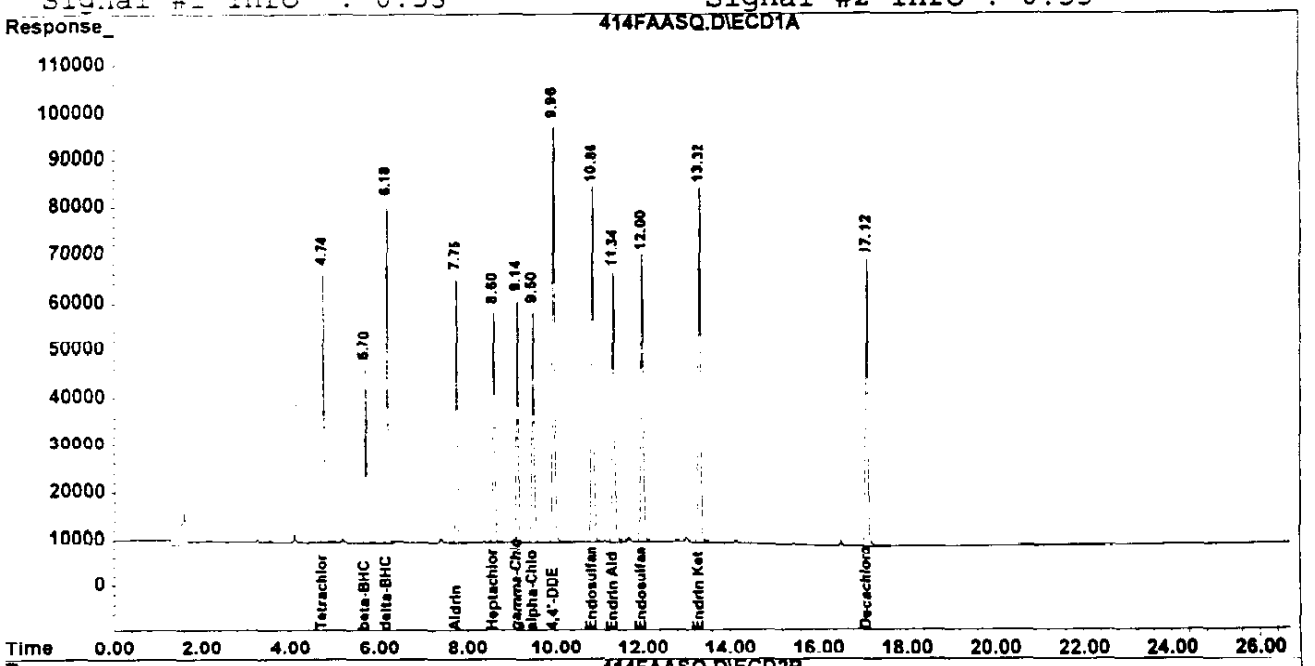
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	1619069	1229429	34.024m	35.023
Spiked Amount 60.000 Range 30 - 150 Recovery =					56.71%	58.37%
22) S Decachlorobiphen	17.12	20.26	2386679	2359360	64.991	65.294
Spiked Amount 60.000 Range 30 - 150 Recovery =					108.32%	108.82%
Target Compounds						
2) A alpha-BHC	5.30	7.21	2242558	1761761	37.489	39.071
3) MA gamma-BHC	5.80	8.08	2026610	1626209	37.552	39.361
MA Heptachlor	7.05	9.03	1324590	1189974	35.804	40.131
A Endosulfan I	9.45	12.42	1593547	1333735	35.502	37.016
13) MA Dieldrin	10.08	13.27	3092755	2650062	72.958	75.907
14) MA Endrin	10.63	14.14	2632179	2102838	73.546	76.730
16) A 4,4'-DDD	11.03	14.38	2428550	2043629	77.720	78.119
17) MA 4,4'-DDT	12.05	15.08	1928494	1599972	68.252	74.560
20) A Methoxychlor	13.63	16.68	3621326	3528674	343.191	395.182
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

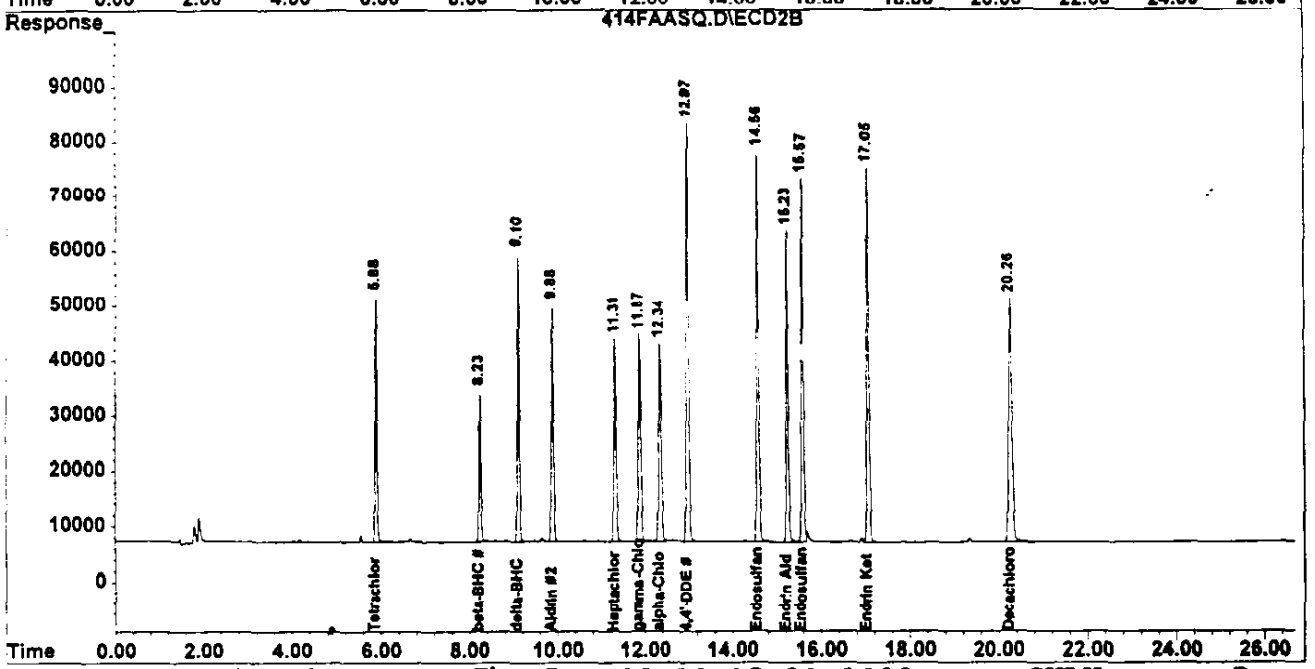
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\414FAASQ.D\ECD1A.CH Vial: 26
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\414FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 6:58 am Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:58 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\414FAASQ.D\ECD1A.CH Vial: 26
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\414FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 6:58 am Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:58 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

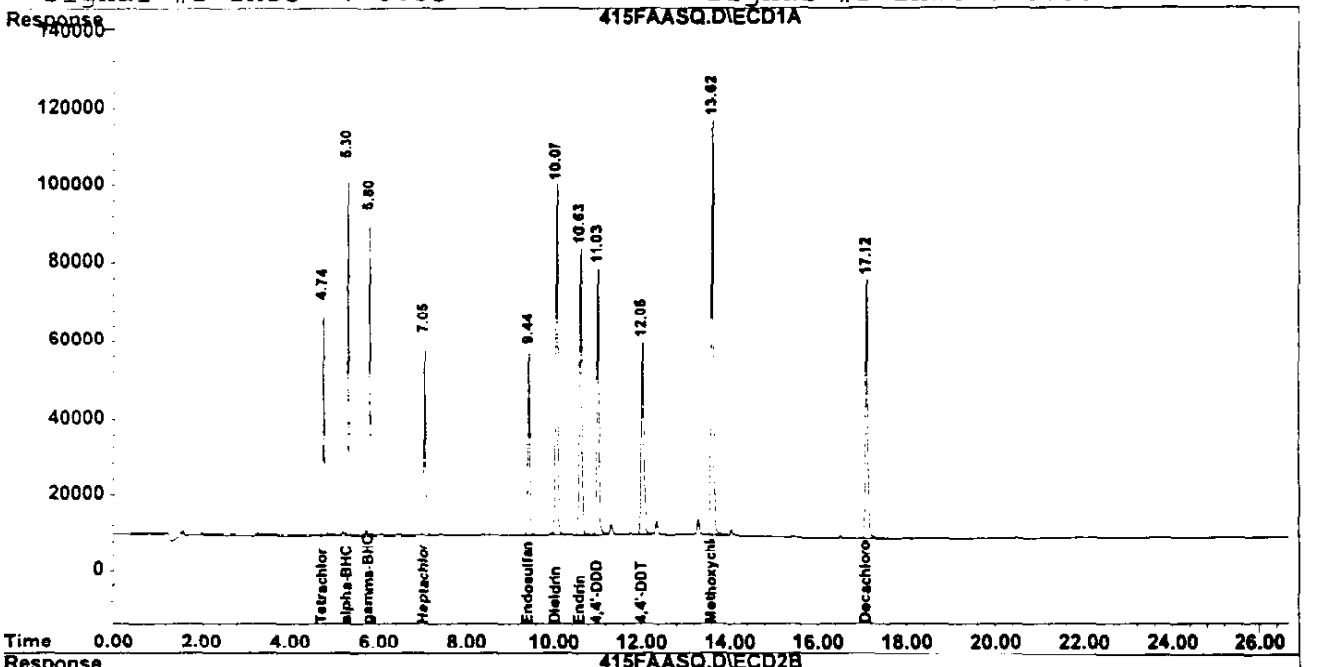
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	1533353	1225554	32.222	34.913
Spiked Amount 60.000 Range 30 - 150 Recovery =					53.70%	58.19%
22) S Decachlorobiphen	17.12	20.26	2230313	2297411	60.733	63.580
Spiked Amount 60.000 Range 30 - 150 Recovery =					101.22%	105.97%
Target Compounds						
5) MB Aldrin	7.75	9.88	1675661	1463682	33.682	37.070
6) B beta-BHC	5.70	8.23	1021688	845694	35.570	37.822
7) B delta-BHC	6.19	9.10	1921698	1579782	36.455	39.679
9) B Heptachlor Epoxi	8.60	11.31	1560278	1352287	35.463	38.750
10) B gamma-Chlordane	9.14	11.87	1705835	1481924	34.548	37.709
11) B alpha-Chlordane	9.50	12.34	1668335	1461018	33.655	36.665
12) B 4,4'-DDE	9.96	12.98	3144318	2737924	70.831	76.486
15) B Endosulfan II	10.86	14.57	2803643	2379293	71.461	75.949
18) B Endrin Aldehyde	11.34	15.23	2323165	1913432	74.267	77.064
19) B Endosulfan Sulfa	12.00	15.57	2574462	2104724	70.449	74.439
21) B Endrin Ketone	13.32	17.05	2918304	2384054	74.768	76.830
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

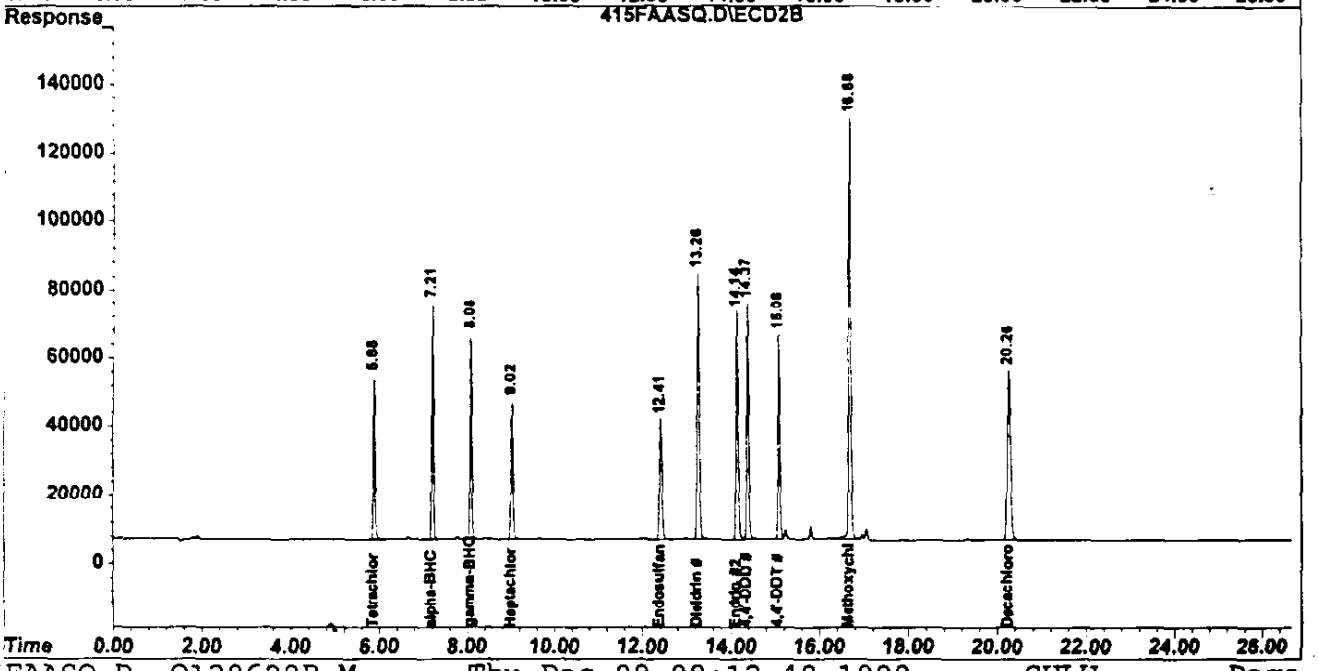
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
414FAASQ.D Q120699P.M Thu Dec 09 09:12:24 1999 SULU

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\415FAASQ.D\ECD1A.CH Vial: 27
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\415FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 7:28 am Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:59 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\415FAASQ.D\ECD1A.CH Vial: 27
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\415FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 7:28 am Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:59 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

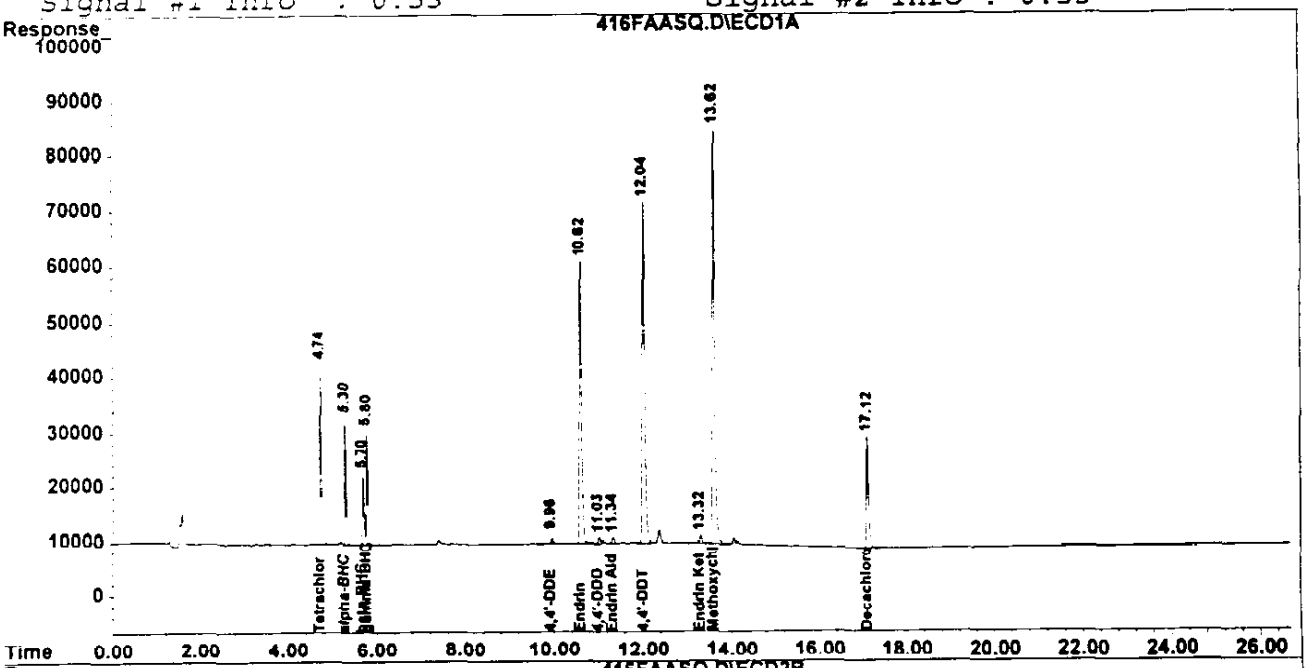
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	1612567	1305045	33.887	37.177
Spiked Amount 60.000 Range 30 - 150 Recovery =					56.48%	61.96%
22) S Decachlorobiphen	17.12	20.26	2471456	2533763	67.299	70.121
Spiked Amount 60.000 Range 30 - 150 Recovery =					112.17%	116.87%
Target Compounds						
2) A alpha-BHC	5.30	7.21	2289367	1894263	38.271	42.010
3) MA gamma-BHC	5.80	8.08	2100193	1763677	38.916	42.689
MA Heptachlor	7.05	9.03	1437837	1316093	38.865	44.384
A Endosulfan I	9.44	12.42	1623184	1431799	36.162	39.738
13) MA Dieldrin	10.07	13.27	3212981	2862362	75.794	81.988
14) MA Endrin	10.63	14.14	2774059	2295808	77.511	83.772
16) A 4,4'-DDD	11.03	14.38	2564048	2244234	82.056	85.787
17) MA 4,4'-DDT	12.05	15.08	2068109	1800389	73.194	83.899
20) A Methoxychlor	13.63	16.68	4015780	3967022	380.573	444.273
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

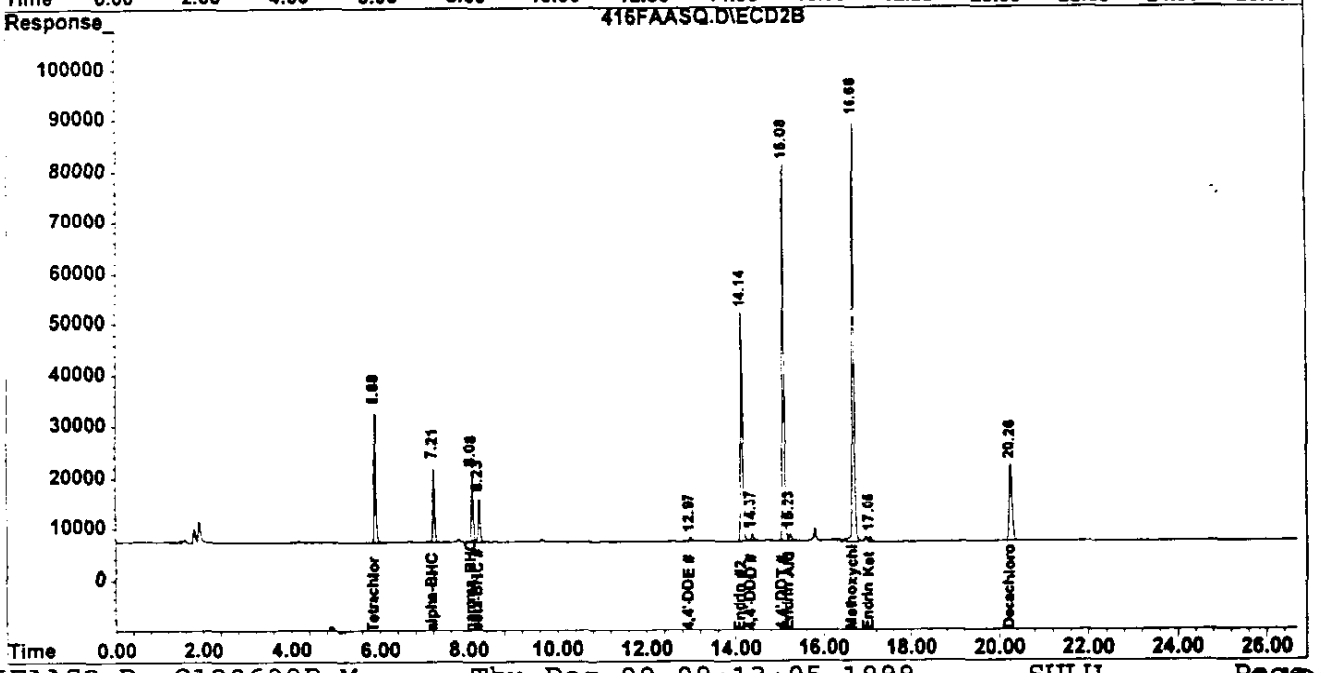
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int 040117

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\416FAASQ.D\ECD1A.CH Vial: 28
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\416FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 7:58 am Operator: TS
Sample : S-9544 Inst : SQ7
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:27 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\416FAASQ.D\ECD1A.CH Vial: 28
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\416FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 7:58 am Operator: TS
Sample : S-9544 Inst : SQ7
Misc : PEM Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:27 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
System Monitoring Compounds									
1)	S	Tetrachloro-m-xy	4.74	5.89	851392	691177	17.891	19.690	
Spiked Amount			60.000	Range	30 - 150	Recovery	=	29.82%#	32.82%
22)	S	Decachlorobiphen	17.12	20.26	721154	761823	19.637	21.083	
Spiked Amount			60.000	Range	30 - 150	Recovery	=	32.73%	35.14%
Target Compounds									
2)	A	alpha-BHC	5.30	7.21	496888	394113	8.306	8.740	
3)	MA	gamma-BHC	5.80	8.08	506655	388598	9.388	9.406	
	B	beta-BHC	5.70	8.23	326662	263700	11.373	11.793	
[illegible])	B	4,4'-DDE	9.96	12.98	27466	32213	0.619	0.900	#
14)	MA	Endrin	10.62	14.14	1864552	1512222	52.098	55.179	
16)	A	4,4'-DDD	11.03	14.38	45271	51329	1.449	1.962	#
17)	MA	4,4'-DDT	12.05	15.08	2561820	2259089	90.667	105.275	
18)	B	Endrin Aldehyde	11.34	15.23	44406	57486	1.420	2.315	#
20)	A	Methoxychlor	13.63	16.68	2782390	2727362	263.685	305.442	
21)	B	Endrin Ketone	13.32	17.05	68001	37358	1.742	1.204	#
Sum		Aroclor-1016			0	0	N.D.	N.D.	
Average		Aroclor-1016					0.000	0.000	
Sum		Aroclor-1221			0	0	N.D.	N.D.	
Average		Aroclor-1221					0.000	0.000	
Sum		Aroclor-1232			0	0	N.D.	N.D.	
Average		Aroclor-1232					0.000	0.000	
Sum		Aroclor-1242			0	0	N.D.	N.D.	
Average		Aroclor-1242					0.000	0.000	
Sum		Aroclor-1248			0	0	N.D.	N.D.	
Average		Aroclor-1248					0.000	0.000	
Sum		Aroclor-1254			0	0	N.D.	N.D.	
Average		Aroclor-1254					0.000	0.000	
Sum		Aroclor-1260			0	0	N.D.	N.D.	
Average		Aroclor-1260					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

D. Raw QC Data

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB912082

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: PB912082

Sample wt/vol: 30 (g/ml) G Lab File ID: 392FAASQ.D

% Moisture: 0 decanted:(Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

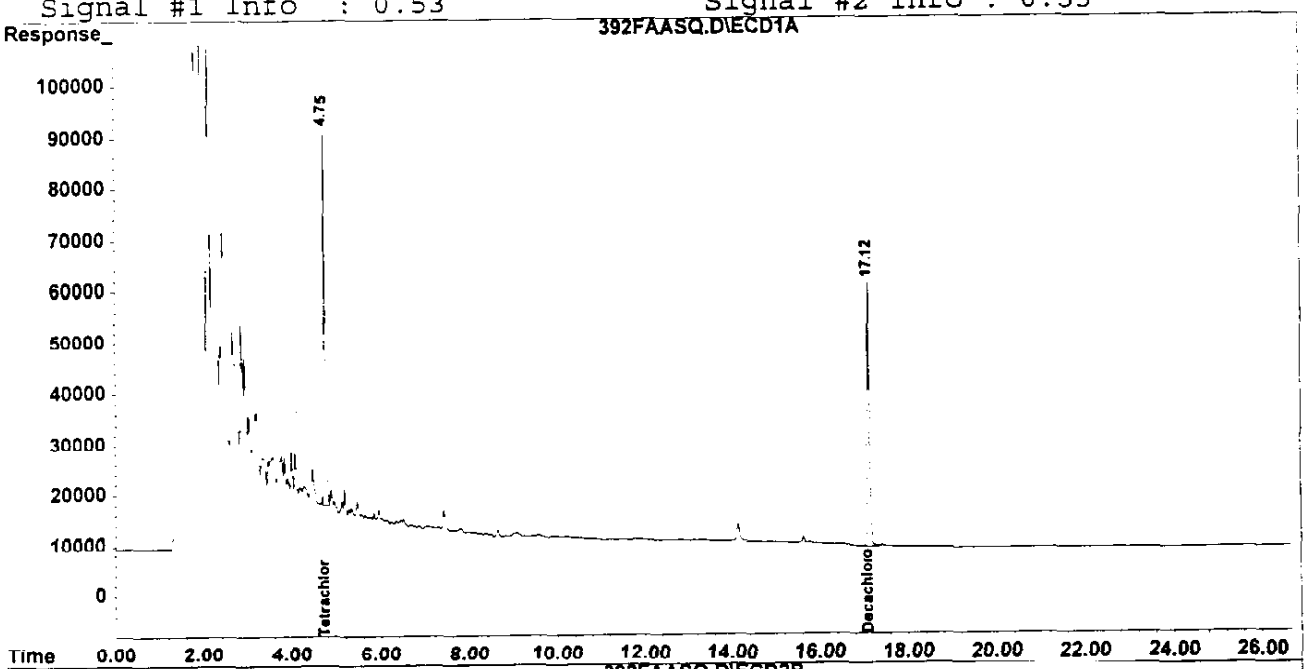
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

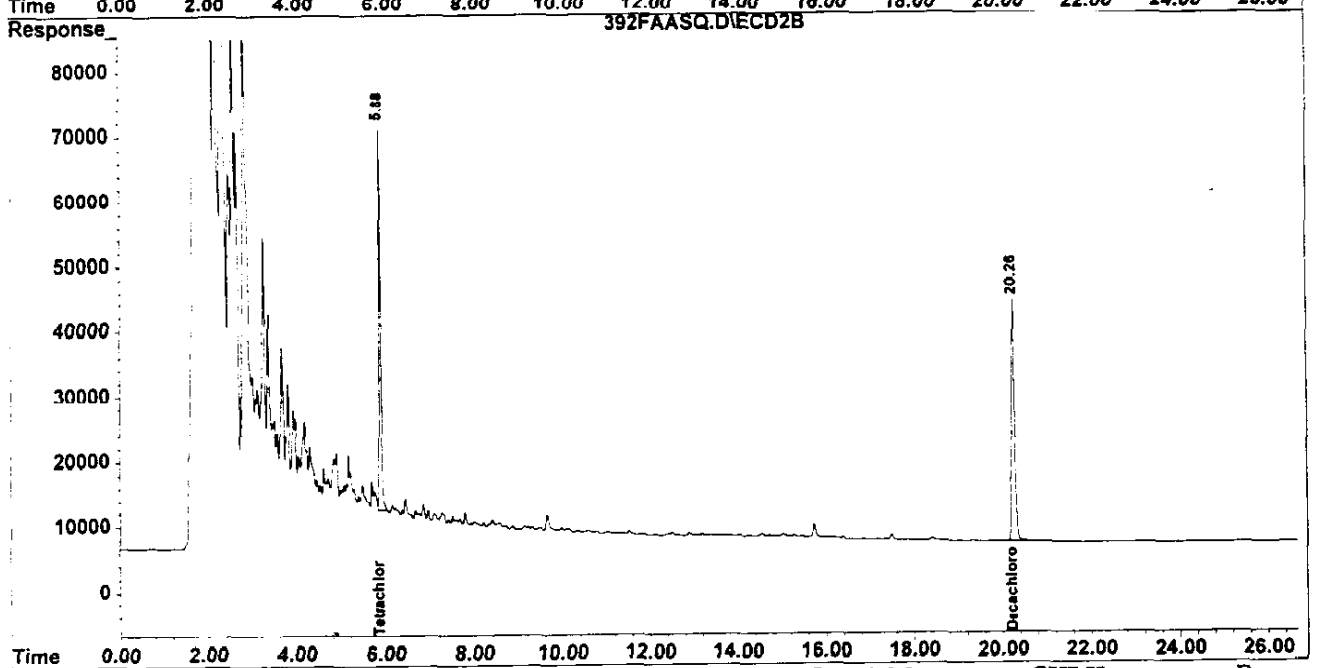
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	1.7	U
58-89-9	gamma-BHC	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U
72-55-9	4,4'-DDE	3.3	U
60-57-1	Dieldrin	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
50-29-3	4,4'-DDT	3.3	U
7421-36-3	Endrin Aldehyde	3.3	U
1031-07-8	Endosulfan Sulfate	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin Ketone	3.3	U
8001-35-2	Toxaphene	170	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\392FAASQ.D\ECD1A.CH Vial: 4
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\392FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 7:54 pm Operator: TS
Sample : PB912082 Inst : SQ7
Misc : PB912082 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:36 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





010122

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\392FAASQ.D\ECD1A.CH Vial: 4
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\392FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 7:54 pm Operator: TS
Sample : PB912082 Inst : SQ7
Misc : PB912082 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:36 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.75	5.88	1998580	1686603	41.999m	48.047m
Spiked Amount 60.000 Range 30 - 150 Recovery =					70.00%	80.08%
22) S Decachlorobiphen	17.12	20.26	1872831	1880389	50.998	52.039
Spiked Amount 60.000 Range 30 - 150 Recovery =					85.00%	86.73%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PL912082

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: PL912082

Sample wt/vol: 30 (g/ml) G Lab File ID: 393FAASQ.D

% Moisture: 0 decanted:(Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

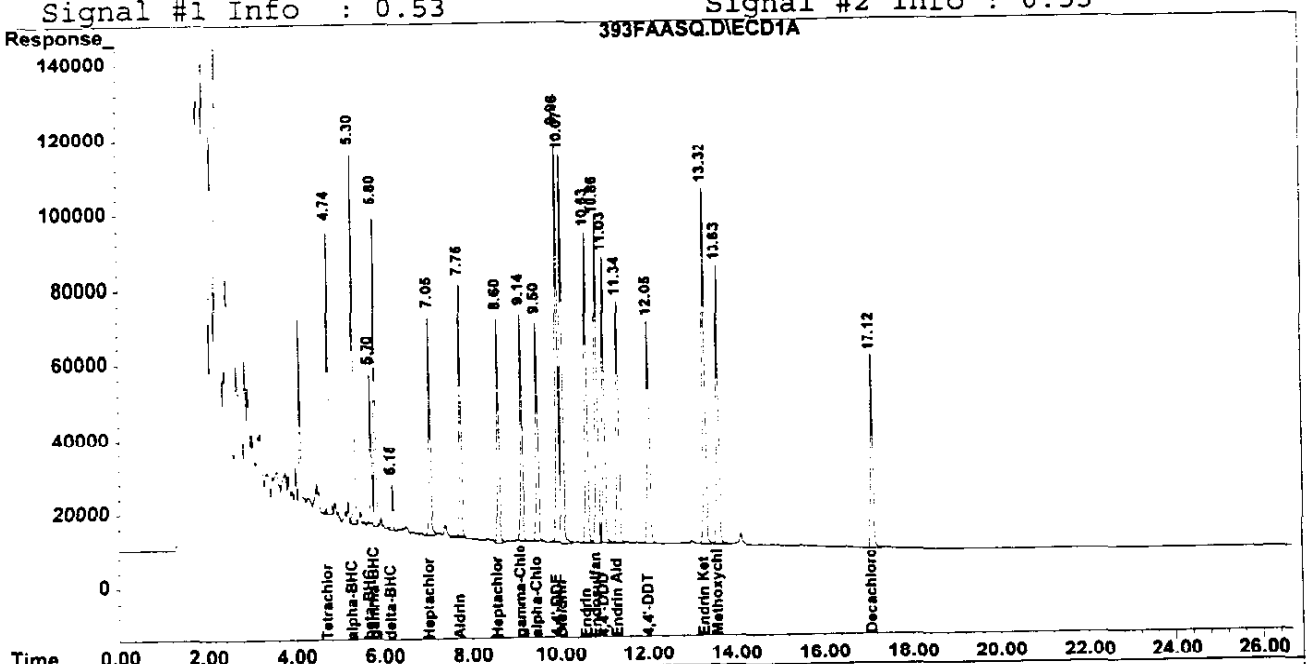
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	14	
58-89-9	gamma-BHC	13	
76-44-8	Heptachlor	15	
309-00-2	Aldrin	14	
319-85-7	beta-BHC	12	
319-86-8	delta-BHC	2.1	
1024-57-3	Heptachlor Epoxide	15	
959-98-8	Endosulfan I	1.7	U
5103-74-2	gamma-Chlordane	14	
5103-71-9	alpha-Chlordane	14	
72-55-9	4,4'-DDE	29	
60-57-1	Dieldrin	30	
72-20-8	Endrin	28	
33213-65-9	Endosulfan II	28	
72-54-8	4,4'-DDD	30	
50-29-3	4,4'-DDT	29	
7421-36-3	Endrin Aldehyde	27	
1031-07-8	Endosulfan Sulfate	3.3	U
72-43-5	Methoxychlor	85	
53494-70-5	Endrin Ketone	32	
8001-35-2	Toxaphene	170	U

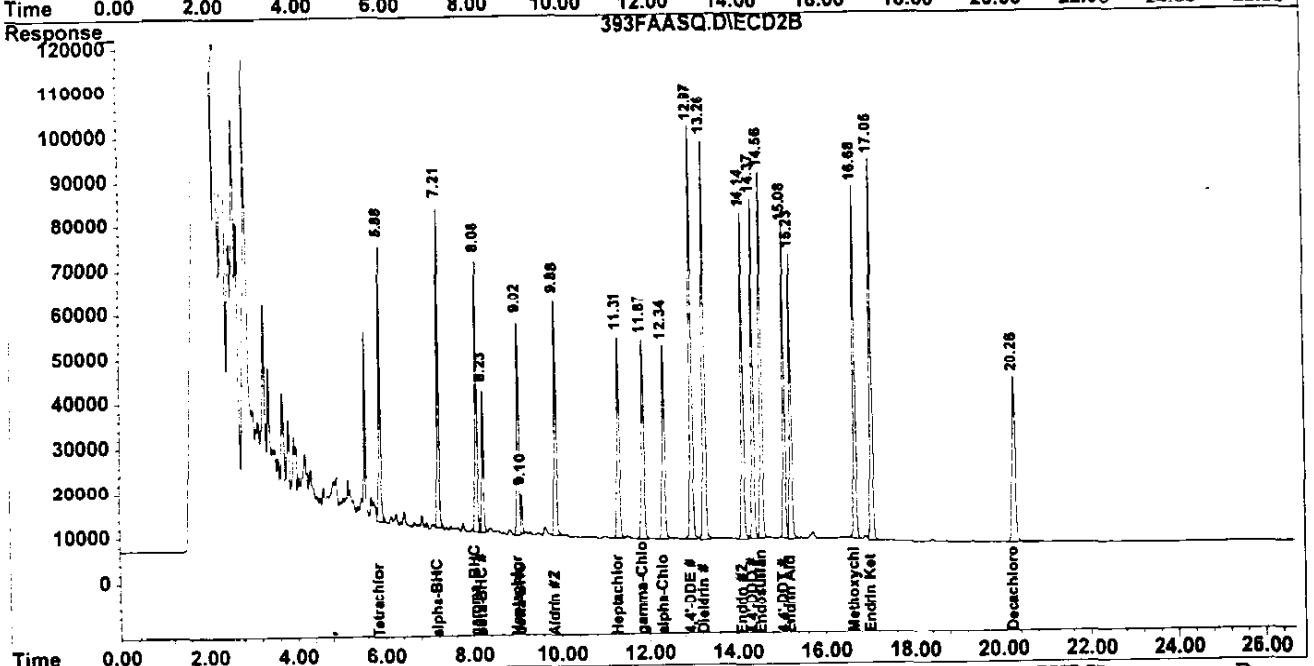
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\393FAASQ.D\ECD1A.CH Vial: 5
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\393FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 8:24 pm Operator: TS
Sample : PL912082 Inst : SQ7
Misc : PL912082 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:43 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\393FAASQ.D\ECD1A.CH Vial: 5
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\393FAASQ.D\ECD2B.CH
Acq On : 8 Dec 1999 8:24 pm Operator: TS
Sample : PL912082 Inst : SQ7
Misc : PL912082 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:43 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	2089446	1762270	43.908m	50.202m
Spiked Amount 60.000 Range 30 - 150 Recovery =					73.18%	83.67%
22) S Decachlorobiphen	17.12	20.26	1855235	1879023	50.519	52.001
Spiked Amount 60.000 Range 30 - 150 Recovery =					84.20%	86.67%
Target Compounds						
2) A alpha-BHC	5.30	7.21	2494940	2040716	41.708m	45.257m
3) MA gamma-BHC	5.80	8.08	2180000	1809215	40.395m	43.791m
MA Heptachlor	7.05	9.02	1694164	1558375	45.794m	52.555m
5) MB Aldrin	7.75	9.88	2056024	1790094	41.327m	45.337m
6) B beta-BHC	5.70	8.23	1064983	1004936	37.078m	44.943m
7) B delta-BHC	6.18	9.10	333275	262751	6.322m	6.600m
8) B Heptachlor Epoxi	8.60	11.31	1962779	1673801	44.611m	47.963m
10) B gamma-Chlordane	9.14	11.87	2030686	1778431	41.127m	45.254m
11) B alpha-Chlordane	9.50	12.34	2013134	1785432	40.610m	44.807m
12) B 4,4'-DDE	9.96	12.97	3894946	3407534	87.740m	95.192m
13) MA Dieldrin	10.07	13.26	3818075	3332129	90.068m	95.444m
14) MA Endrin	10.63	14.14	3052248	2541332	85.284m	92.731m
15) B Endosulfan II	10.86	14.56	3240061	2725170	82.585m	86.990m
16) A 4,4'-DDD	11.03	14.37	2770945	2418670	88.677m	92.455m
17) MA 4,4'-DDT	12.05	15.08	2448075	2108369	86.641	98.251m
18) B Endrin Aldehyde	11.34	15.23	2572306	2125886	82.232m	85.620m
20) A Methoxychlor	13.63	16.68	2680264	2494833	254.007	279.401m
21) B Endrin Ketone	13.32	17.05	3713923	3013399	95.153	97.112
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW1MS

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913266MS

Sample wt/vol: 30 (g/ml) G Lab File ID: 401FAASQ.D

% Moisture: 14 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

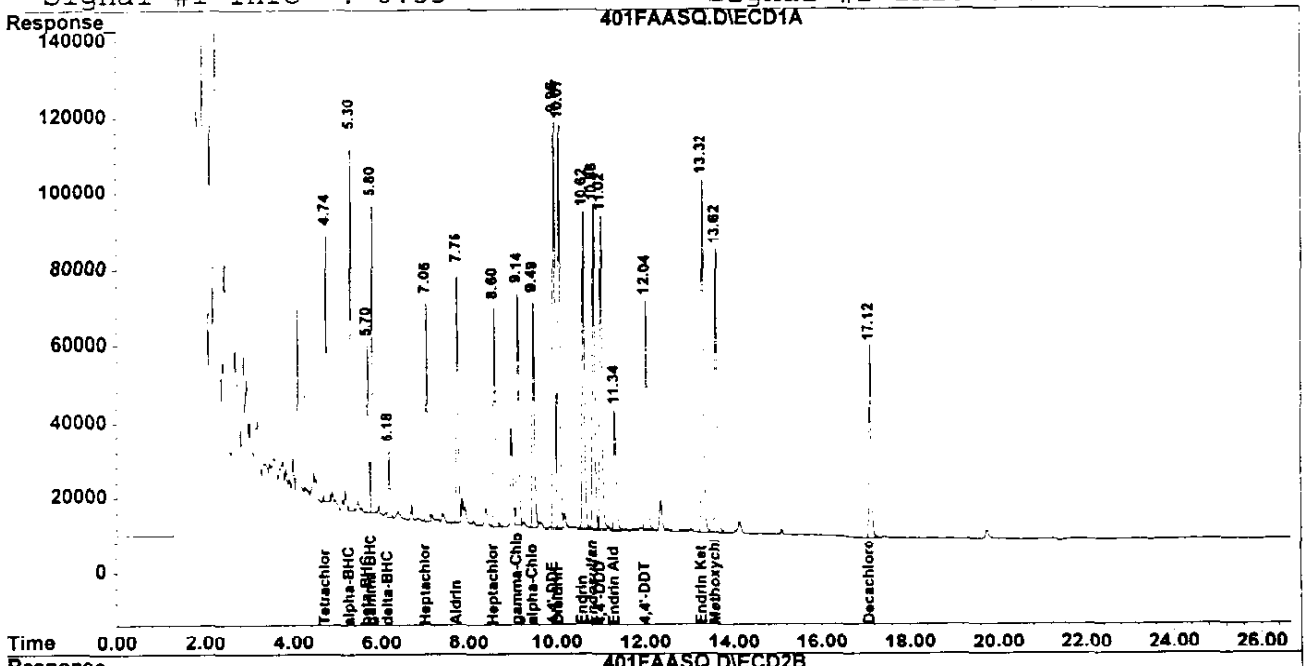
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

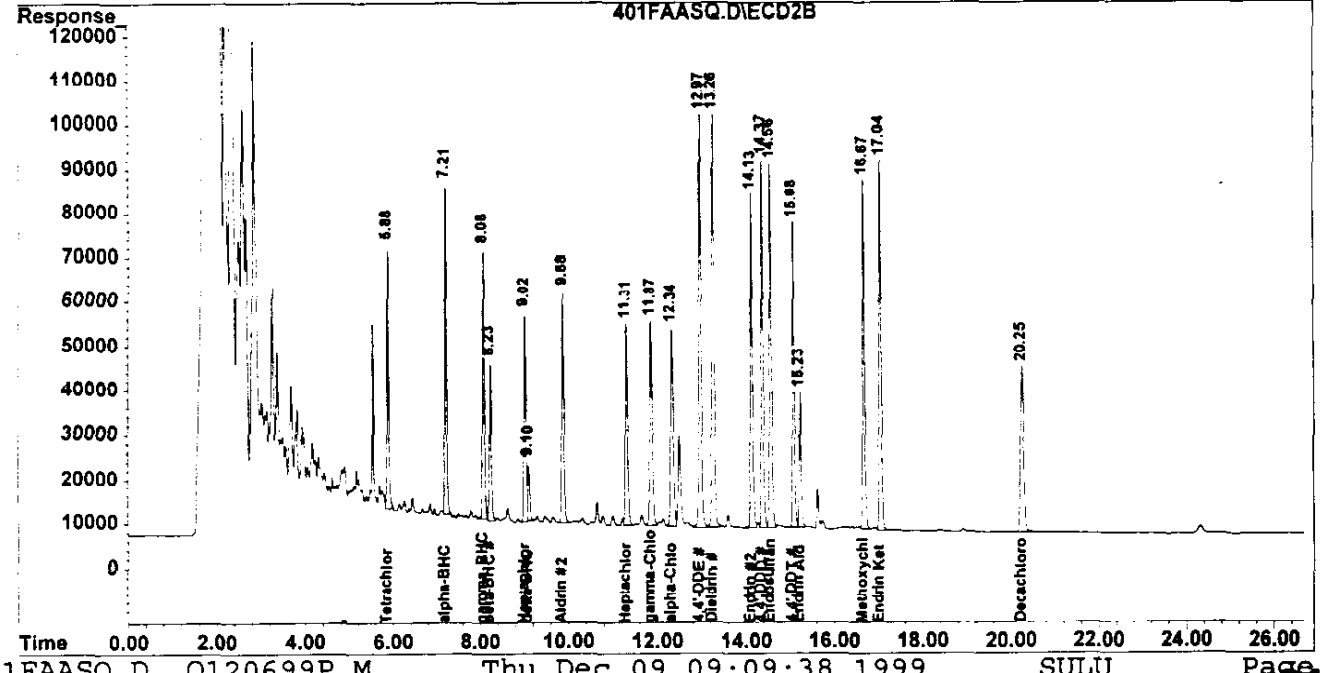
CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	16	
58-89-9	gamma-BHC	15	
76-44-8	Heptachlor	17	
309-00-2	Aldrin	16	
319-85-7	beta-BHC	16	
319-86-8	delta-BHC	3.5	
1024-57-3	Heptachlor Epoxide	17	
959-98-8	Endosulfan I	1.9	U
5103-74-2	gamma-Chlordane	16	
5103-71-9	alpha-Chlordane	16	
72-55-9	4,4'-DDE	33	
60-57-1	Dieldrin	35	
72-20-8	Endrin	34	
33213-65-9	Endosulfan II	31	
72-54-8	4,4'-DDD	37	
50-29-3	4,4'-DDT	33	
7421-36-3	Endrin Aldehyde	15	
1031-07-8	Endosulfan Sulfate	3.9	U
72-43-5	Methoxychlor	100	
53494-70-5	Endrin Ketone	36	
8001-35-2	Toxaphene	190	U

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\401FAASQ.D\ECD1A.CH Vial: 13
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\401FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 12:26 am Operator: TS
Sample : 9913266MS Inst : SQ7
Misc : 683-SEW1MS Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:53 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





010128

Quantitation Report (Q1 Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\401FAASQ.D\ECD1A.CH Vial: 13
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\401FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 12:26 am Operator: TS
Sample : 9913266MS Inst : SQ7
Misc : 683-SEW1MS Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:53 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.88	1933433	1676773	40.630m	47.767m
Spiked Amount 60.000 Range 30 - 150 Recovery =					67.72%	79.61%
22) S Decachlorobiphen	17.12	20.25	1842307	1894660	50.167	52.434
Spiked Amount 60.000 Range 30 - 150 Recovery =					83.61%	87.39%
Target Compounds						
2) A alpha-BHC	5.30	7.21	2439519	2089750	40.781m	46.345m
3) MA gamma-BHC	5.80	8.08	2119220	1788988	39.268m	43.301m
) MA Heptachlor	7.05	9.02	1647817	1522626	44.541m	51.350m
5) MB Aldrin	7.75	9.88	2025743	1778093	40.719m	45.033m
6) B beta-BHC	5.70	8.23	1187750	1137539	41.352m	50.874m
7) B delta-BHC	6.18	9.10	480738	373430	9.120m	9.379m
8) B Heptachlor Epoxi	8.60	11.31	1883291	1695352	42.804m	48.580m
10) B gamma-Chlordane	9.14	11.87	2084484	1831853	42.217m	46.614m
11) B alpha-Chlordane	9.49	12.34	2083008	1843954	42.020m	46.275m
12) B 4,4'-DDE	9.96	12.97	3780479	3460752	85.162m	96.679
13) MA Dieldrin	10.07	13.26	3784826	3445064	89.284m	98.679
14) MA Endrin	10.62	14.14	3113606	2589663	86.998m	94.494
15) B Endosulfan II	10.86	14.56	3172690	2825302	80.868m	90.187
16) A 4,4'-DDD	11.02	14.37	3008561	2654244	96.282m	101.460
17) MA 4,4'-DDT	12.04	15.08	2430403	2061149	86.016m	96.051
18) B Endrin Aldehyde	11.34	15.23	1244821	1012949	39.795m	40.797
20) A Methoxychlor	13.62	16.67	2719392	2505440	257.715	280.588m
21) B Endrin Ketone	13.32	17.05	3619884	2915695	92.743	93.963
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
erage Aroclor-1242					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

683-SEW1MSD

Lab Name: STL-BALTIMORE Contract: IT CORP

Lab Code: Case No.: 991733 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 9913266MSD

Sample wt/vol: 30.2 (g/ml) G Lab File ID: 402FAASQ.D

% Moisture: 14 decanted:(Y/N) N Date Received: 12/08/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/08/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

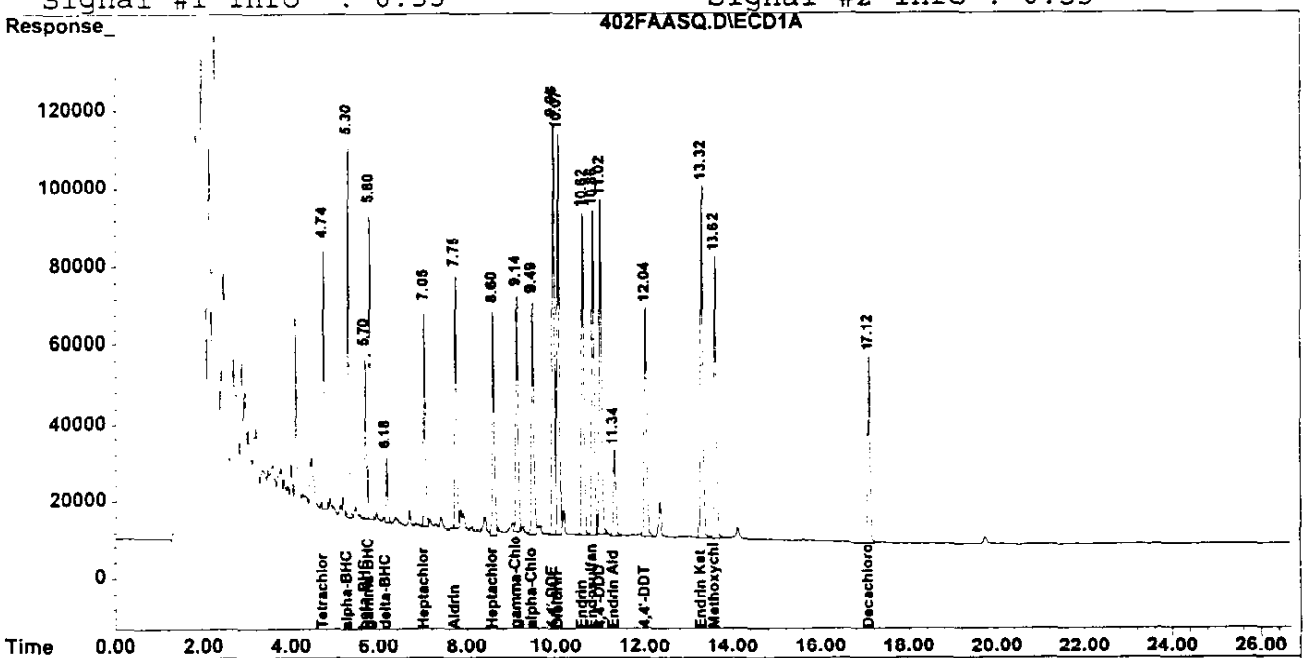
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	15	
58-89-9	gamma-BHC	15	
76-44-8	Heptachlor	17	
309-00-2	Aldrin	15	
319-85-7	beta-BHC	15	
319-86-8	delta-BHC	3.2	
1024-57-3	Heptachlor Epoxide	17	
959-98-8	Endosulfan I	1.9	U
5103-74-2	gamma-Chlordane	16	
5103-71-9	alpha-Chlordane	16	
72-55-9	4,4'-DDE	32	
60-57-1	Dieldrin	33	
72-20-8	Endrin	33	
33213-65-9	Endosulfan II	30	
72-54-8	4,4'-DDD	38	
50-29-3	4,4'-DDT	33	
7421-36-3	Endrin Aldehyde	11	
1031-07-8	Endosulfan Sulfate	3.9	U
72-43-5	Methoxychlor	98	
53494-70-5	Endrin Ketone	35	
8001-35-2	Toxaphene	190	U

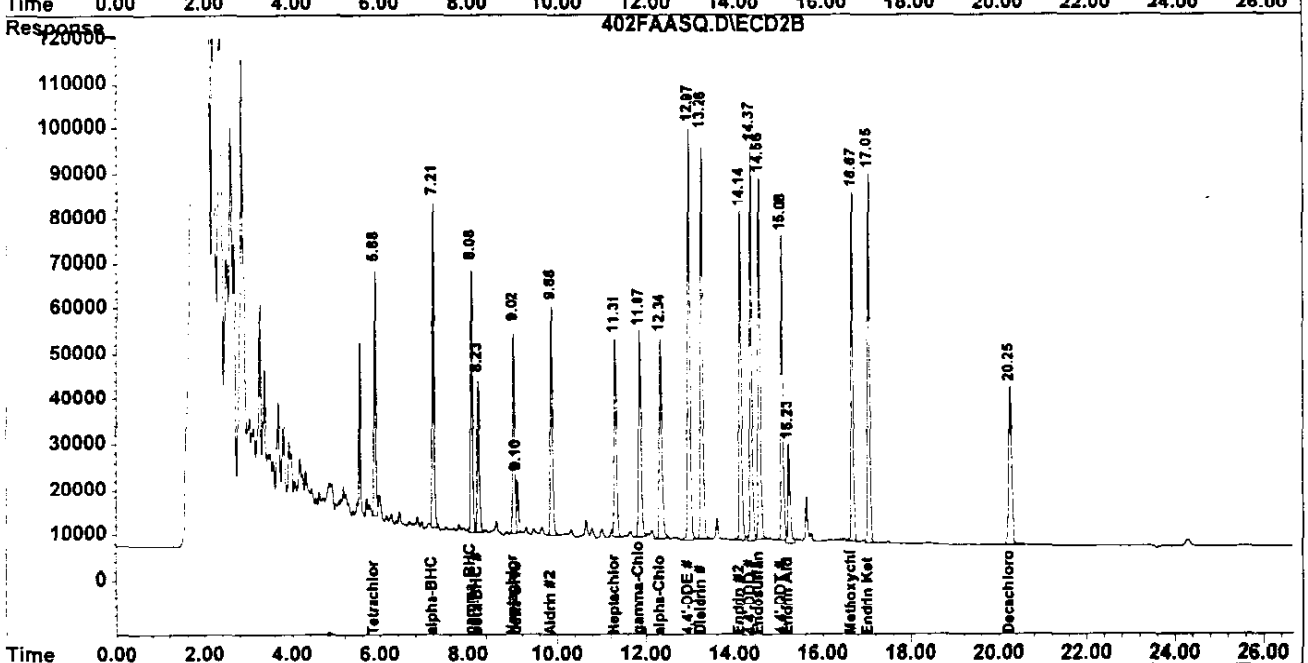
Quantitation Report

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\402FAASQ.D\ECD1A.CH Vial: 14
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\402FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 12:56 am Operator: TS
Sample : 9913266MSD Inst : SQ7
Misc : 683-SEW1MSD Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:57 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\402FAASQ.D\ECD1A.CH Vial: 14
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\402FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 12:56 am Operator: TS
Sample : 9913266MSD Inst : SQ7
Misc : 683-SEW1MSD Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:57 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:34:06 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

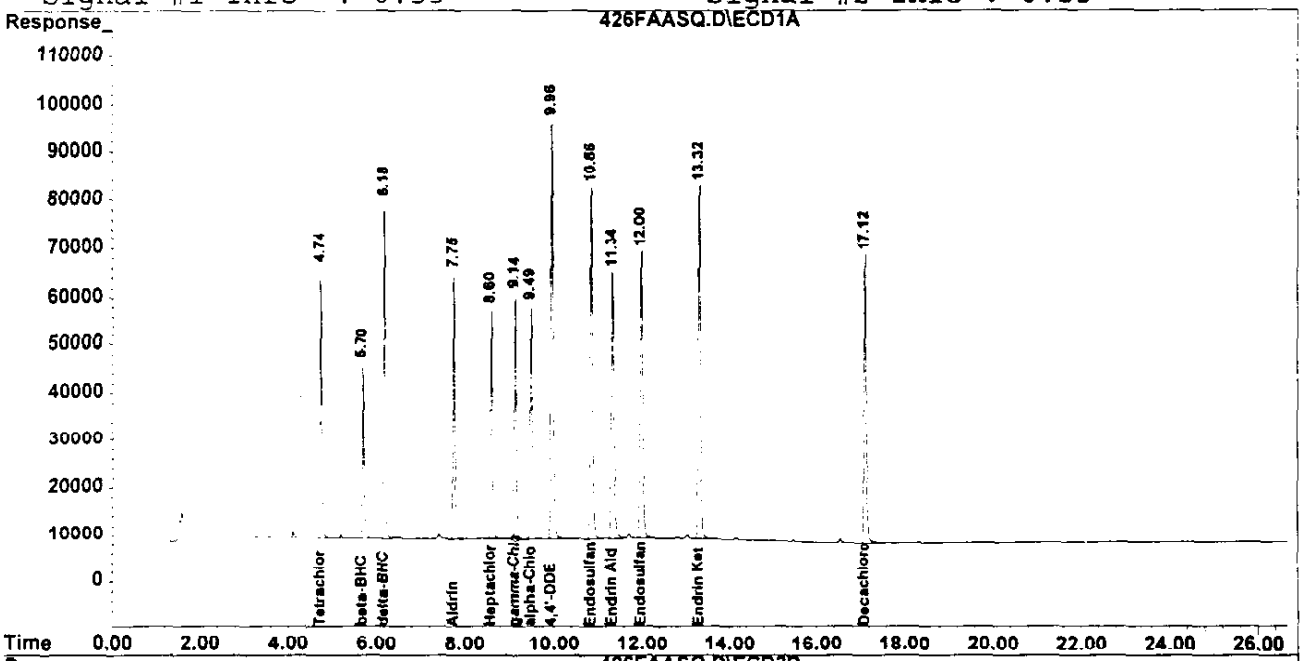
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.74	5.88	1870118	1459934	39.299m	41.590m
	Spiked Amount 60.000 Range 30 - 150 Recovery =					65.50%	69.32%
22)	S Decachlorobiphen	17.12	20.26	1718780	1773307	46.803	49.075
	Spiked Amount 60.000 Range 30 - 150 Recovery =					78.01%	81.79%
	Target Compounds						
2)	A alpha-BHC	5.30	7.21	2389189	2036162	39.940m	45.156m
3)	MA gamma-BHC	5.80	8.08	2055179	1747888	38.082m	42.306m
	MA Heptachlor	7.05	9.02	1586570	1451033	42.886m	48.935m
5)	MB Aldrin	7.75	9.88	1986736	1736501	39.935m	43.980m
6)	B beta-BHC	5.70	8.23	1130363	1067428	39.354m	47.738m
7)	B delta-BHC	6.18	9.10	438618	327129	8.321m	8.217m
8)	B Heptachlor Epoxi	8.60	11.31	1899345	1632502	43.169	46.779m
10)	B gamma-Chlordane	9.14	11.87	2031534	1791916	41.144m	45.598m
11)	B alpha-Chlordane	9.50	12.34	2093425	1840806	42.230	46.196m
12)	B 4,4'-DDE	9.96	12.97	3698793	3385209	83.321	94.568m
13)	MA Dieldrin	10.07	13.26	3670996	3289425	86.598	94.221m
14)	MA Endrin	10.63	14.14	3038407	2498501	84.897	91.168m
15)	B Endosulfan II	10.86	14.56	3092272	2718352	78.818	86.773m
16)	A 4,4'-DDD	11.02	14.37	3098072	2772496	99.146m	105.980m
17)	MA 4,4'-DDT	12.04	15.08	2415605	2037738	85.492	94.960m
18)	B Endrin Aldehyde	11.34	15.23	856449	798201	27.379	32.148
20)	A Methoxychlor	13.62	16.67	2681568	2430258	254.131	272.169m
21)	B Endrin Ketone	13.32	17.05	3513128	2846235	90.008	91.725
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000

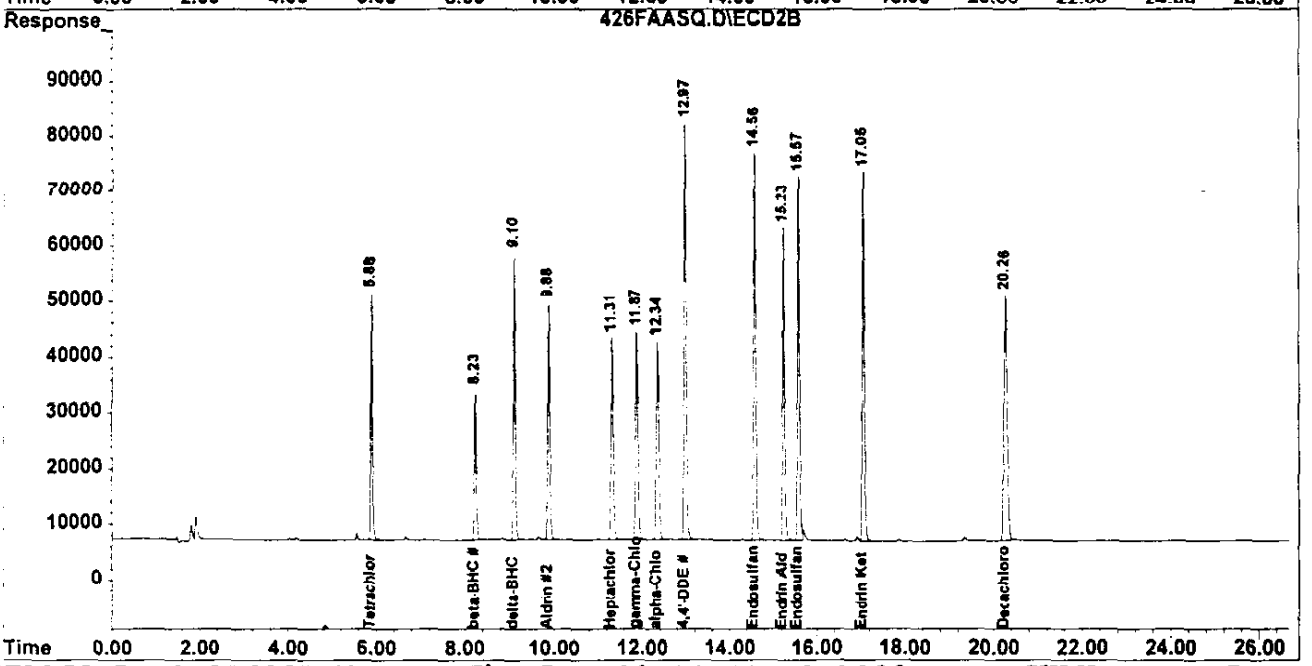
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\426FAASQ.D\ECD1A.CH Vial: 38
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\426FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 1:58 pm Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 14:39 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





010132

Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\426FAASQ.D\ECD1A.CH Vial: 38
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\426FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 1:58 pm Operator: TS
Sample : S-9545 Inst : SQ7
Misc : INDB CONC3 MIX[B,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 14:39 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

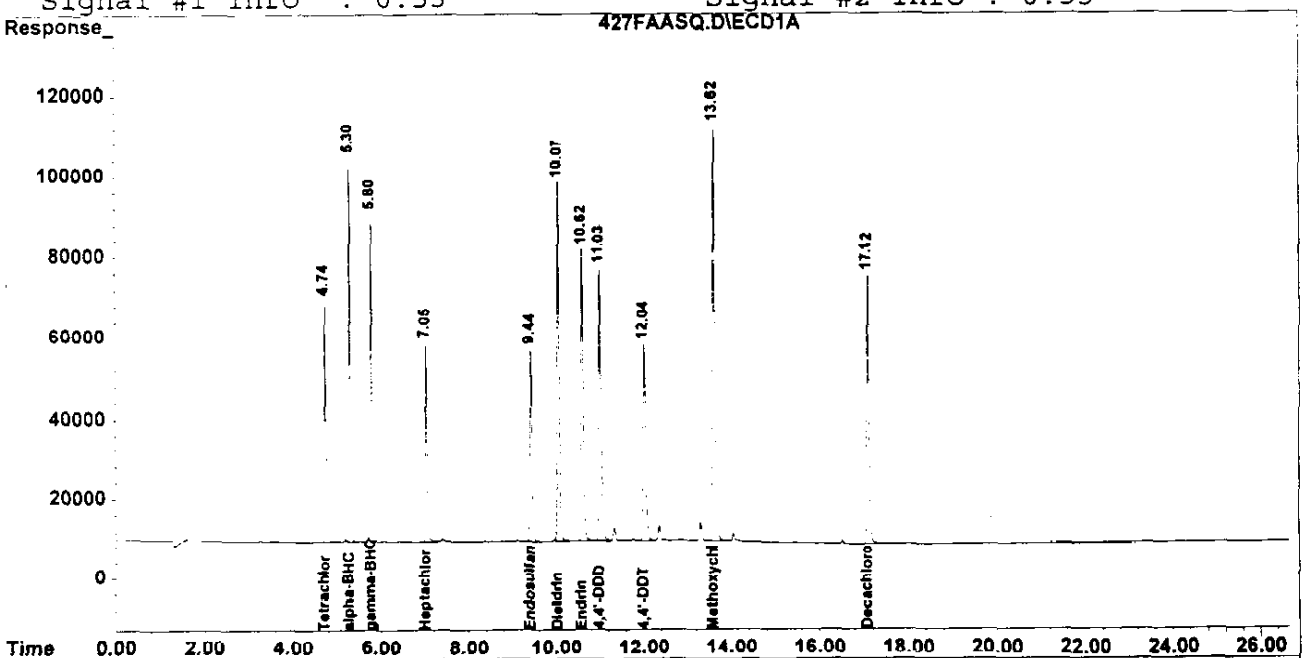
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.74	5.89	1504271	1211987	31.611	34.526
Spiked Amount 60.000 Range 30 - 150 Recovery =					52.69%	57.54%
22) S Decachlorobiphen	17.12	20.26	2219025	2265496	60.425	62.697m
Spiked Amount 60.000 Range 30 - 150 Recovery =					100.71%	104.50%
Target Compounds						
5) MB Aldrin	7.75	9.88	1653418	1443540	33.235	36.560
6) B beta-BHC	5.70	8.23	1007380	836333	35.072	37.403
B delta-BHC	6.18	9.10	1882120	1556009	35.704	39.082
9) B Heptachlor Epoxi	8.60	11.31	1532477	1336029	34.831	38.284
10) B gamma-Chlordane	9.14	11.87	1681428	1469524	34.054	37.394
11) B alpha-Chlordane	9.50	12.34	1646627	1440250	33.217	36.144
12) B 4,4'-DDE	9.96	12.97	3114134	2720810	70.151	76.008
15) B Endosulfan II	10.86	14.56	2765236	2367400	70.482	75.570
18) B Endrin Aldehyde	11.34	15.23	2271577	1892478	72.618	76.220
19) B Endosulfan Sulfa	12.00	15.57	2522222	2082550	69.019	73.655
21) B Endrin Ketone	13.32	17.05	2845288	2363253	72.898	76.160
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

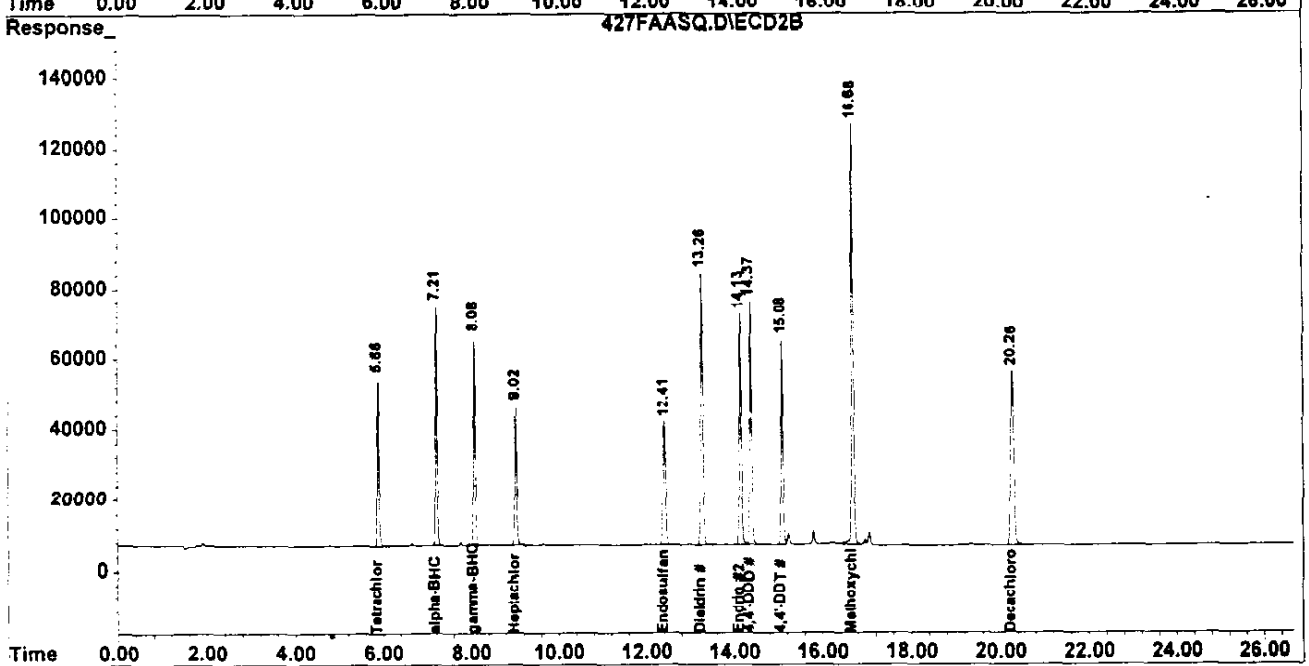
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\427FAASQ.D\ECD1A.CH Vial: 39
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\427FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 2:28 pm Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 14:57 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Multiple Level Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : O:\ORG\SVOA\ECD\SQ7\06DEC99\427FAASQ.D\ECD1A.CH Vial: 39
Signal #2 : O:\ORG\SVOA\ECD\SQ7\06DEC99\427FAASQ.D\ECD2B.CH
Acq On : 9 Dec 1999 2:28 pm Operator: TS
Sample : S-9501 Inst : SQ7
Misc : INDA CONC3 MIX[A,S] Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 14:57 1999 Quant Results File: Q120699P.RES

Quant Method : O:\ORG\SVOA\ECD\METHODS\Q120699P.M (Chemstation Integrator
Title : 8081/82 REG EAL-M-8081A/8082-0
Last Update : Tue Dec 07 10:29:51 1999
Response via : Initial-Calibration
DataAcq Meth : PEST.M

Volume Inj. : 1
Signal #1 Phase : RTX-5 Signal #2 Phase: RTX-35
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.74	5.88	1613928	1292188	33.916	36.811
	Spiked Amount 60.000 Range 30 - 150 Recovery =					56.53%	61.35%
22)	S Decachlorobiphen	17.12	20.26	2454287	2522927	66.832	69.821
	Spiked Amount 60.000 Range 30 - 150 Recovery =					111.39%	116.37%
	Target Compounds						
2)	A alpha-BHC	5.30	7.21	2253128	1871791	37.666	41.511
3)	MA gamma-BHC	5.80	8.08	2060346	1742528	38.177	42.177
	MA Heptachlor	7.05	9.02	1383842	1283047	37.406	43.270
9)	A Endosulfan I	9.44	12.41	1608627	1419179	35.838	39.387
13)	MA Dieldrin	10.07	13.26	3174217	2834009	74.879	81.176
14)	MA Endrin	10.62	14.14	2700211	2240376	75.447	81.749
16)	A 4,4'-DDD	11.03	14.37	2514589	2208239	80.473	84.411
17)	MA 4,4'-DDT	12.05	15.08	1998983	1761538	70.747	82.089
20)	A Methoxychlor	13.62	16.68	3820841	3830180	362.099	428.948
	Sum Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
	Average Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
	Average Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
	Average Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

E. Laboratory Logs

STL REPORT 991733

STL LABS GC/ECD-PEST/PCB SOIL

CLIENT	T CORP	EXTRACTION CHEMIST	MS		EXTRACTION METHOD: SW 3550-SW 8081
BATCH #	P912082	CONCENTRATION CHEMIST	DKW	WATER BATH TEMP 85-100 / VERIFIED INIT	CLEANUP METHOD#'s: 3620-3640-3660-3665
SPIKED BY	MS	SURR SOLN 5-9596 (0.6 ug/mL)		EXT START DATE&TIME 12/8/99 3:00 pm	ANALYSIS METHOD#: EAL-M-8081\8082-0
WITNESS	JT	PEST M.S. SOLN 5-9592 (0.25,0.5,1.25 ug/mL)		EXT END DATE & TIME 12/8/99 3:00 Am	EXT./VIAL SOLVENT: CH2CL2/HEXANE
				FINAL CONC DATE 12-8-99	SOLVENT LOT #: E00049
					FLORISIL LOT #: M38554
					HEXANE LOT#: E00047

STL NUMBER	CLIENT ID	FRACTION	MATRIX	INITIAL AMOUNT (30.0g)	SURR VOLUME	M.S. VOLUME	CLEAN UPS FLORISIL/ACID	CLEAN UPS DESULFER	METHOD FINAL VOL	GPC FINAL VOL	COMMENTS
PB912082	PB912082	PESTICIDES	Soil	30.0	1.0 mL	N/A	Florisil	Hg	10.0mL	N/A	
PL912082	PL912082	PESTICIDES	Soil	30.0	1.0 mL	2.0 mL					
9913260	683-F-F5	PESTICIDES	Soil	30.0	1.0 mL	N/A					
9913261	683-F-E5	PESTICIDES	Soil	30.0	1.0 mL						
9913262	683-F-F6A	PESTICIDES	Soil	30.1	1.0 mL						
9913263	683-F-G6	PESTICIDES	Soil	30.1	1.0 mL						
9913264	683-F-E7	PESTICIDES	Soil	30.0	1.0 mL						
9913265	683-F-G7	PESTICIDES	Soil	30.0	1.0 mL						
9913266	683-SEW1	PESTICIDES	Soil	30.0	1.0 mL						
9913266MS	683-SEW1	PESTICIDES	Soil	30.0	1.0 mL	2.0 mL					
9913266MSD	683-SEW1	PESTICIDES	Soil	30.2	1.0 mL	2.0 mL					
9913267	683-SEW2	PESTICIDES	Soil	30.0	1.0 mL	N/A					
9913268	683-SWW1A	PESTICIDES	Soil	30.0	1.0 mL						
9913269	683-NWW2	PESTICIDES	Soil	30.0	1.0 mL						
9913270	683-NEW2	PESTICIDES	Soil	30.1	1.0 mL						
9913271	683-G4W	PESTICIDES	Soil	30.0	1.0 mL						
9913272	683-H5W	PESTICIDES	Soil	30.0	1.0 mL						
9913273	683-F-G4	PESTICIDES	Soil	30.0	1.0 mL						
9913274	683-F-G5B	PESTICIDES	Soil	30.0	1.0 mL						
									NCS 12-08-99		

Additional Comments:

Were extraction holding times met? Y
Were the proper spikes used? Y
Is the final volume correct? Y
Was an MS/MSD extracted with this batch? Y
If not, was an LCS duplicate extracted? N/A

ECD231/3,4

Were TCLP/DI WET extraction holding times met? N/A
Was a TMS extracted for each client? N/A
Was the extraction sheet reviewed for ID's/errors? Y
Have all associated memos/E-mail/NCRs been included? Y

TOTAL SAMPLES 19

CHECKED: 12/8/99

RECEIVED: 12-09-99

00037

Injection Log

Directory: o:\org\svoa\ecd\sq7\06dec99

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	323faasq.d	1.	A-5	A-5	6 Dec 99 16:01
2	2	324faasq.d	1.	S-9544	PEM	6 Dec 99 16:31
3	3	325faasq.d	1.	S-9508	AR1221 MIX[L2,S]	6 Dec 99 17:01
4	4	326faasq.d	1.	S-9507	AR1232 MIX[L3,S]	6 Dec 99 17:31
5	5	327faasq.d	1.	S-9510	AR1242 MIX[L4,S]	6 Dec 99 18:01
6	6	328faasq.d	1.	S-9512	AR1248 MIX[L5,S]	6 Dec 99 18:31
7	7	329faasq.d	1.	S-9401	AR1254 MIX[L6,S]	6 Dec 99 19:02
8	8	330faasq.d	1.	S-9513	TOXAPH MIX[L8,S]	6 Dec 99 19:32
9	9	331faasq.d	1.	S-9407	CHLOR MIX[L9,S]	6 Dec 99 20:02
10	10	332faasq.d	1.	S-9529	AR1660 CONC1 MIX[L1,L7,S]	6 Dec 99 20:32
11	11	333faasq.d	1.	S-9530	AR1660 CONC2 MIX[L1,L7,S]	6 Dec 99 21:03
12	12	334faasq.d	1.	S-9531	AR1660 CONC3 MIX[L1,L7,S]	6 Dec 99 21:32
13	13	335faasq.d	1.	S-9532	AR1660 CONC4 MIX[L1,L7,S]	6 Dec 99 22:02
14	14	336faasq.d	1.	S-9533	AR1660 CONC5 MIX[L1,L7,S]	6 Dec 99 22:32
15	15	337faasq.d	1.	S-9425	INDB CONC1 MIX[B,S]	6 Dec 99 23:02
16	16	338faasq.d	1.	S-9426	INDB CONC2 MIX[B,S]	6 Dec 99 23:32
17	17	339faasq.d	1.	S-9427	INDB CONC3 MIX[B,S]	7 Dec 99 00:02
18	18	340faasq.d	1.	S-9428	INDB CONC4 MIX[B,S]	7 Dec 99 00:32
19	19	341faasq.d	1.	S-9429	INDB CONC5 MIX[B,S]	7 Dec 99 01:02
20	20	342faasq.d	1.	S-9419	INDA CONC1 MIX[A,S]	7 Dec 99 01:32
21	21	343faasq.d	1.	S-9420	INDA CONC2 MIX[A,S]	7 Dec 99 02:02
22	22	344faasq.d	1.	S-9421	INDA CONC3 MIX[A,S]	7 Dec 99 02:32
23	23	345faasq.d	1.	S-9422	INDA CONC4 MIX[A,S]	7 Dec 99 03:03
24	24	346faasq.d	1.	S-9423	INDA CONC5 MIX[A,S]	7 Dec 99 03:33
25	25	347faasq.d	1.	S-9566	AR1660 CONC3 MIX[L1,L7,S]	7 Dec 99 04:03
26	26	348faasq.d	1.	S-9545	INDB CONC3 MIX[B,S]	7 Dec 99 04:33
27	27	349faasq.d	1.	S-9501	INDA CONC3 MIX[A,S]	7 Dec 99 05:03
28	28	350faasq.d	1.	S-9544	PEM	7 Dec 99 05:33
29	29	351faasq.d	1.	PB911302	PB911302	7 Dec 99 06:03
30	30	352faasq.d	1.	PL911302	PL911302	7 Dec 99 06:33
31	31	353faasq.d	1.	9912706	LR01-C	7 Dec 99 07:03
	32	354faasq.d	1.	9912707	LR01-CD	7 Dec 99 07:33
	33	355faasq.d	1.	9912708	LR02-C	7 Dec 99 08:03
34	34	356faasq.d	1.	9912708MS	LR02-CMS	7 Dec 99 08:33
35	35	357faasq.d	1.	9912708MSD	LR02-CMSD	7 Dec 99 09:04
36	36	358faasq.d	1.	9912709	LR03-C	7 Dec 99 09:34
37	37	359faasq.d	1.	9912710	LR04-C	7 Dec 99 10:04
38	38	360faasq.d	1.	9912711	LR05-C	7 Dec 99 10:34
39	39	361faasq.d	1.	9912712	LR08-C	7 Dec 99 11:04
40	40	362faasq.d	1.	9912713	LR10-C	7 Dec 99 11:34
41	41	363faasq.d	1.	9912714	LR11-C	7 Dec 99 12:04
42	42	364faasq.d	1.	9912715	LR12-B	7 Dec 99 12:34
43	43	365faasq.d	1.	9912716	LR13-B	7 Dec 99 13:05
44	44	366faasq.d	1.	9912717	LW08-B	7 Dec 99 13:35
45	45	367faasq.d	1.	9912718	LW09-B	7 Dec 99 14:05
46	46	368faasq.d	1.	9912719	LW11-C	7 Dec 99 14:35
47	47	369faasq.d	1.	9912720	LW11-CD	7 Dec 99 15:05
48	48	370faasq.d	1.	9912721	LW13-C	7 Dec 99 15:36
49	49	371faasq.d	1.	HEXANE	HEXANE	7 Dec 99 16:05
50	50	372faasq.d	1.	HEXANE	HEXANE	7 Dec 99 16:36
51	51	373faasq.d	1.	HEXANE	HEXANE	7 Dec 99 17:06
52	52	374faasq.d	1.	HEXANE	HEXANE	7 Dec 99 17:36
53	53	375faasq.d	1.	S-9545	INDB CONC3 MIX[B,S]	7 Dec 99 18:07
54	54	376faasq.d	1.	S-9501	INDA CONC3 MIX[A,S]	7 Dec 99 18:37
55	55	377faasq.d	1.	S-9544	PEM	7 Dec 99 19:07
56	56	378faasq.d	1.	9912722	LW16-C	7 Dec 99 19:37
57	57	379faasq.d	1.	9912723	LW17-C	7 Dec 99 20:07
58	58	380faasq.d	1.	9912724	LW18-C	7 Dec 99 20:37
59	59	381faasq.d	1.	9912707x5	LR01-CDDL	7 Dec 99 21:08
60	60	382faasq.d	1.	9912708x5	LR02-CDL	7 Dec 99 21:38
	61	383faasq.d	1.	HEXANE	HEXANE	7 Dec 99 22:07
	62	384faasq.d	1.	HEXANE	HEXANE	7 Dec 99 22:38
63	63	385faasq.d	1.	HEXANE	HEXANE	7 Dec 99 23:08

040138

Directory: o:\org\svoa\ecd\sq7\06dec99

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
64	64	386faasq.d	1.	HEXANE	HEXANE	7 Dec 99 23:38
65	65	387faasq.d	1.	S-9545	INDB CONC3 MIX[B,S]	7 Dec 99 23:57
66	66	388faasq.d	1.	S-9501	INDA CONC3 MIX[A,S]	8 Dec 99 00:28
67	1	389faasq.d	1.	S-9544	PEM	8 Dec 99 17:50
68	2	390faasq.d	1.	S-9545	INDB CONC3 MIX[B,S]	8 Dec 99 19:20
69	3	391faasq.d	1.	S-9501	INDA CONC3 MIX[A,S]	8 Dec 99 18:50
70	4	392faasq.d	1.	**PB912082**	PB912082	8 Dec 99 19:54
71	5	393faasq.d	1.	PL912082	PL912082	8 Dec 99 20:24
72	6	394faasq.d	1.	9913260	683-F-F5	8 Dec 99 20:54
73	7	395faasq.d	1.	9913261	683-F-E5	8 Dec 99 21:24
74	8	396faasq.d	1.	9913262	683-F-F6A	8 Dec 99 21:55
75	9	397faasq.d	1.	9913263	683-F-G6	8 Dec 99 22:25
76	10	398faasq.d	1.	9913264	683-F-E7	8 Dec 99 22:55
77	11	399faasq.d	1.	9913265	683-F-G7	8 Dec 99 23:25
78	12	400faasq.d	1.	9913266	683-SEW1	8 Dec 99 23:55
79	13	401faasq.d	1.	9913266MS	683-SEW1MS	9 Dec 99 00:26
80	14	402faasq.d	1.	9913266MSD	683-SEW1MSD	9 Dec 99 00:56
81	15	403faasq.d	1.	9913267	683-SEW2	9 Dec 99 01:26
82	16	404faasq.d	1.	9913268	683-SWW1A	9 Dec 99 01:56
83	17	405faasq.d	1.	9913269	683-NWW2	9 Dec 99 02:26
84	18	406faasq.d	1.	9913270	683-NEW2	9 Dec 99 02:56
85	19	407faasq.d	1.	9913271	683-G4W	9 Dec 99 03:26
86	20	408faasq.d	1.	9913272	683-H5W	9 Dec 99 03:57
87	21	409faasq.d	1.	9913273	683-F-G4	9 Dec 99 04:27
88	22	410faasq.d	1.	9913274	683-F-G5B	9 Dec 99 04:57
89	23	411faasq.d	1.	SOLVENT	SOLVENT	9 Dec 99 05:27
90	24	412faasq.d	1.	SOLVENT	SOLVENT	9 Dec 99 05:57
91	25	413faasq.d	1.	SOLVENT	SOLVENT	9 Dec 99 06:28
92	26	414faasq.d	1.	S-9545	INDB CONC3 MIX[B,S]	9 Dec 99 06:58
93	27	415faasq.d	1.	S-9501	INDA CONC3 MIX[A,S]	9 Dec 99 07:28
94	28	416faasq.d	1.	S-9544	PEM	9 Dec 99 07:58
	29	417faasq.d	1.	9913271x50	683-G4WDL	9 Dec 99 09:26
	30	418faasq.d	1.	9913260x2	683-F-F5DL	9 Dec 99 09:56
97	31	419faasq.d	1.	9913271x300	683-G4WDL	9 Dec 99 10:26
98	32	420faasq.d	1.	9913267x2	683-SEW2DI	9 Dec 99 10:56
99	33	421faasq.d	1.	9913270x2	683-NEW2	9 Dec 99 11:27
100	34	422faasq.d	1.	9913274x2	683-F-G5BDL	9 Dec 99 11:57
101	35	423faasq.d	1.	9913267x4	683-SEW2DI	9 Dec 99 12:27
102	36	424faasq.d	1.	SOLVENT	SOLVENT	9 Dec 99 12:57
103	37	425faasq.d	1.	SOLVENT	SOLVENT	9 Dec 99 13:27
104	38	426faasq.d	1.	S-9545	INDB CONC3 MIX[B,S]	9 Dec 99 13:58
105	39	427faasq.d	1.	S-9501	INDA CONC3 MIX[A,S]	9 Dec 99 14:28

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9562	Pesticide Surrogate	S-9561	200ug/ml	0.6mL	200mL	0.6ug/ml	MeOH UNI020	11/15/99	5/15/00		JH
S-9563	Pest Surr Tissue	S-9561	↓	150ul	250mL	0.12ug/ml	Acetone UNI020	11/18/99	5/18/00		JH
S9564	Pest MS Tissue	S 9539	.25/.5/1.25 ug/ml	10mL	50mL	.005/0.1/ 0.25ug/ml	MeOH UNI020	↓	↓		↓
S9565	PCB M.S. Tissue	S-9537	5.0ug/ml	10mL	50mL	1.0ug/ml	Acetone UNI020	↓	↓		↓
S-9566	Aroclor 1660 ICV	S-9333	1000 ug/ml	40ul	100ml	0.4 ug/ml	Hex/994610	11/18/99	4/21/00		DG
	tcx/dcb	S-9503	10 ug/ml	200ul	↓	0.02 ug/ml	↓	↓	↓		DG

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9550	C28	Sigma 83H0085	99%	.05g	25mL	2000ug/mL	MeCl2/BV602	110999	050900		[illegible]
S-9551	Diesel ICV	Ultra P-0852 PGO-611	5000ug/mL	2.5mL	25mL	500ug/mL	MeCl2/BV602	↓	↓		↓
	C28	S-9550	2000ug/mL	1.25mL	↓	100ug/mL	↓	↓	↓		↓
S-9552	C44 Stock	Chemserve 219-97A	98%	.0025g	25mL	100ug/mL	MeCl2/BV602	110999	050999		[illegible]
S9553	Pesticide Surr.	S-9413	200ug/mL	0.3mL	100mL	0.6ug/mL	MeOH [illegible]	11-9-99	5-9-00		JH
S-9554	2-Nitroaniline GC-Explosive Surr	T-2023	5110µg/mL	78µL	10mL	40µg/mL	Acetonitrile B&J BP973	11/9/99	10/4/00		WEM
S-9555	NIT 2a-4,6-DNT	S-9263	1000µg/mL	2µL	10mL	0.2µg/mL	↓	11/10/99	5/5/2000		WEM
↓	4a-2,6-DNT	S-9264 ~~4~~2	[illegible]	2µL	↓	0.2µg/mL	↓	↓	↓		↓
↓	RDX	S-9265	↓	10µL	↓	1.0µg/mL	↓	↓	↓		↓
↓	HMX	S-9266	↓	75µL	↓	7.5µg/mL	↓	↓	↓		↓
↓	Tetryl	S-9264	↓	50µL	↓	5.0µg/mL	↓	↓	↓		↓
S-9556	Nitroamines Conc 1	S-9555	0.2 1.0 7.5 5.0 ug/ml	10uL	1.0 ~~100ml~~	.02 0.10 0.75 0.5 ug/L	Isoamyl acetate 99% anhydrous	11/12/99			[illegible]
↓	↓	S-9554	40ug/ml	10uL	1.0 ~~100~~ml	4.0ug/L	Aldrich 00852AR	↓			↓
S-9557	Nitroamines Conc 2	S-9555	See above	20uL	1.0ml	0.04 1.5 0.20 1.0 ug/L	↓	↓			↓
↓	↓	S-9554	↓	20uL	↓	8.0ug/L	↓	↓			↓
S-9558	Nitroamines Conc 3	S-9555	↓	40uL	↓	0.08 3.0 0.40 2.0 ug/L	↓	↓			↓
↓	↓	S-9554	↓	40uL	↓	16ug/L	↓	↓			↓
S-9559	Nitroamines Conc 4	S-9555	↓	80uL	↓	0.16 6.0 0.80 4.0 ug/L	↓	↓			↓
↓	↓	S-9554	↓	60uL	↓	24ug/L	↓	↓			↓
S-9560	Nitroamines Conc 5	S-9555	↓	160uL	↓	0.32 12 1.6 8 ug/L	↓	↓			↓
↓	↓	S-9554	↓	80uL	↓	32ug/L	↓	↓			↓
S-9561	Pesticide Stock Surrogate	Pestek A013428	200ug/mL	—	—	—	acetone	Tec'd 11/15/99	3/02		JH

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
9534	TCx/dcB	S-9503	10ug/ml	16 ul	1 ml	0.16 ug/ml	HEX/994600	10/27/99	10/31/99		JS
S-9535	8141 OPAA M.S	S-8858	1000 ug/ml	0.5 mL	50 mL	10 ug/ml	MeOH Unizyme	10/21/99	12/31/99		JH
S-9536	Pesticide Surrogate	S-9413	200 ug/ml	0.6 mL	200 mL	0.6 ug/ml	MeOH Unizyme	11-02-99	5-02-00		JH
S-9537	PCB Matrix Spike	S-9538	1000 ug/ml	1.0 mL	200 mL	5.0 ug/ml	Acetone Unizyme	11-2-99	5-2-00		↓
S-9538	1016/1260 Stock	Restek A009843	1000 ug/ml	—	—	—	hexane	opened 11-02-99	10-00		JH
S-9539	AROCLOR Pest M.S.	S-9489	25/50/125 ug/ml	2.0 mL	200 mL	0.25/0.5/1.25 ug/ml	MeOH Unizyme	11-2-99	5-2-00		↓
S-9540	Pentachloroanisole	Restek A012043	1000 ug/ml	—	—	—	—	11/3/99	9/30/00		SG
S-9541	Picloram m.e.	Restek A013020	1000 ug/ml	—	—	—	—	11/3/99	1/31/01		SG
S-9542	Herbicide Std										↓
	Herb Mix	S-9306	10-10,000 ug/ml	1 ml	10 ml	1-1000 ug/ml	Hex / 994610	11/3/99	5/3/00		
	DCAA	S-9403	100 ug/ml	1 ml	↓	10 ug/ml	↓	↓	↓		
	Picloram	S-9541	1000 ug/ml	100 ul		10 ug/ml					
	PCP	S-9540	↓	10 ul	↓	1 ug/ml	↓	↓	↓		↓
S-9543	Congeners SALT H2O MDL Spike	S-9481	0.08 ug/ml	0.625 mL	50 mL	0.001 ug/ml	MeOH Unizyme	11-4-99	3-30-00		JH
S-9544	PEM Working	S-9483	1-25 ug/ml	1 ml	100 ml	0.01-0.25 ug/ml	Hex / 994610	11/4/99	5/4/00		SG
S-9545	B Mix ICV	S-9440	8-16 ug/ml	500 ul	100 ml	0.04-0.08 ug/ml	Hex / 994610	↓	↓		↓
S-9546	Cong MDL Spk Sediment	S-9481	0.08 ug/ml	1.25 mL	10 mL	0.01 ug/ml	MeOH Unizyme	11/5/99	3-3-00		JH
S-9547	Herbicide M.S.	S-9061	1000 ug/ml	400 mL	25.0 mL	16 ug/ml	MeOH Unizyme	11/6/99	2-00		↓
	↓	S-9062	100 ug/ml	↓	↓	1.6 ug/ml	↓	↓	↓		↓
	↓	S-9174	10-10,000 ug/ml	4.0 mL	↓	1.6-1600 ug/ml	↓	↓	↓		↓
~~S-9548~~	~~C44 Stock~~	~~Chemline 2P-9JA~~	~~9806~~	~~1629~~	~~10 mL~~	~~2000 ug/ml~~	~~MeCl2/Acetone~~	~~110999~~	~~050900~~		~~SG~~
~~S-9549~~	~~C44~~	~~S-9548~~	~~2000 ug/ml~~	~~250 uL~~	↓	~~50 ug/ml~~	↓	↓	↓		↓

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Ini...
S-9517	40H Dimp/Dmmp Con 1	S-9185	50 µg/ml	10 uL	2 mL ~~50 mL~~	0.25 ug/ml	MeCl2 [illegible]	[illegible]	10/25/99		[illegible]
~~S-9518~~ S-9518	9185 SF 10/[illegible]/99 2			20 uL	gpm 10/[illegible]	0.5					
S-9519	3			40 uL		1.0					
S-9520	4			80 uL		2.0					
S-9521	5			160 uL		4.0					
S-9522	6			320 uL		8.0					
S-9523	Soil Dimp/Dmmp Con 1			10 uL	2 mL ~~25 mL~~ gpm 10/[illegible]	0.25 ug/ml		10/21/99	10/28/99		
S-9524	2			20 uL		0.5					
S-9525	3			40 uL		1.0					
S-9526	4			80 uL		2.0					
S-9527	5			160 uL		4.0					
S-9528	6			320 uL		8.0					
S-9529	Aroclor 1660 Con 1	S-8979	1000 ug/ml	10 ul	100 ml/s	0.1 ug/ml	Hex./994610	10/26/99	4/21/00		JA
	tcx/dcb	S-9503	10	50 ul		0.005					
S-9530	Aroclor 1660 Con 2	S-8979	1000	20 ul		0.2					
	tcx/dcb	S-9503	10	100 ul		0.01					
S-9531	Aroclor 1660 Con 3	S-8979	1000	40 ul		0.4					
	tcx/dcb	S-9503	10	200 ul		0.02					
S-9532	Aroclor 1660 Con 4	S-8979	1000	100 ul		1.0					
	tcx/dcb	S-9503	10	500 ul		0.05					
S-9533	Aroclor 1660 Con 5	S-8979	1000	200 ul		2.0					
	tcx/dcb	S-9503	10	1000 ul		0.1					

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-9486	8141 OPRst Surrogate	S-9487	500ug/ml	4.0ml	100mL	20ug/ml	MeOH UN1273	[illegible]	10-31-99		J.H
↓	↓	S-9450	2000ug/ml	1.0mL	↓	↓	↓	↓	↓		↓
S-9487	Triphenylphosphate	Chemsrv 209-30B	500ug/ml	—	—	—	isoactone	[illegible]	10-99		J.H
S-9488	OPPest M.S.	S-8858	1000ug/ml	0.5ml	50ml	10ug/ml	MeOH UN1230	10/4/99	12/99		[illegible]
S-9489	AFCEE Pest MS Stock	Restek A014654	25-125 ug/ml	—	—	—	MeOH	[illegible] 9/99	9-04		J.H
S-9490	AFCEE Pest MS	S-9489	25/50/150ug/ml	2.0mL	200mL	0.25/0.5/1.25 ug/ml	MeOH UN1230	10-5-99	4-5-00		J.H
S-9491	Pest CLP Surr	S-9413	200ug/ml	0.2mL ~~0.1mL~~	200mL ~~100mL~~	0.2ug/ml	↓	↓	↓		↓
S-9492	Aroclor 1660 ICV	S-9333	1000ug/ml	40ul	100ml	0.4ug/ml	Hex. / BV978	10/5/99	2/2/00		[illegible]
	tex/dcb	S-9379	10ug/ml	200ul	↓	0.02ug/ml	↓	↓	↓		↓
S-9493	Pesticide Surrogate	S-9413	200ug/ml	0.6mL	200mL	0.6ug/ml	MeOH UN1230	10-8-99	4-8-00		J.H
S-9494	PCB Cong. Surrogate	S-7789	200ug/ml	100ml	250mL	0.08ug/ml	Acetone BV516	10-11-99	4-11-00		J
S-9495	Bay Sed OP Pest	S-9475	200ug/ml	1.25ml	10ml	25ug/ml	Hex. / BV978	10/11/99	4/11/00		[illegible]
		S-9476	1000ug/ml	0.25ml	↓	↓	↓	↓	↓		↓
S-9496	Triphenyl phosphate mix	Chemsrv 227-43A	500ug/ml	10mL	—	—	isoactone	[illegible] 10-15-99	11-00		J.
S-9497	Tributyl phosphate mix	Chemsrv 231-113A	2000ug/ml	10mL	—	—	acetone	opened 10-15-99	02-01		
S-9498	8141 OP/Pest Surr.	S-9496	500ug/ml	4.0mL	100mL	20ug/ml	MeOH UN273	10-15-99	4-15-00		
		S-9497	2000ug/ml	1.0mL	↓	↓	↓	↓	↓		↓
S-9499	8141 Std 8141 mix	S-9317	200ug/ml	1.25ml	10ml	25ug/ml	Hex / BV978	10/15/99	10/31/99		[illegible]
	Malathion	[illegible] S-~~9321~~ 9318	1000ug/ml	2.5 ~~0.25ml~~	↓	↓	↓	↓	↓		↓
	8141 Surr. Mix	S-9476	1000ug/ml	0.25ml	↓	↓	↓	↓	↓		↓
S-9500	Pesticide Surrogate	S-9413	200ug/mL	0.60mL	200mL	.60ug/mL	Acetone BV516	10-18-99	4-18-99		[illegible]
S-9501	Pest Mix A ICV	S-9179	8-80ug/ml	0.5ml	100ml	0.04-0.4ug/ml	Hex / BV978	10/19/99	4/19/99		[illegible]

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9477	Bay Sed opt test curve	S-9475	200 ug/ml	~~1.0 ml~~ 0.5 ml	4 ml	25.0 ug/ml	Hex / 849774	9/27/99	3/27/2000		GG
	↓	S-9476	1000 ug/ml	~~200 ul~~ 100 ul	↓	↓	↓	↓	↓		GG
S-9478	Cong. Std.										
	Cong Mix	S-9473	0.200 ug/ml	16 ul	10 ml	0.32 ug/ml	Hex. / 994072	9/27/99	3/27/00		99
	BZ-Supp.	S-9467 → S-9472	100 ug/ml	32 ul	↓	↓	↓	↓	↓		↓
	TCX	S-7787	200 ug/ml	16 ul	↓	↓	↓	↓	↓		↓
S-9479	Con Std										
	Cong Mix	S-9473	0.20 ug/ml	1.6 ml	10 ml	0.032 ug/ml	Hex. / 994072	9/27/99	3/27/00		99
	BZ Supplements	S-9467 → S-9472	100 ug/ml	3.2 ul	↓	↓	↓	↓	↓		↓
	TCX	S-7789	200 ug/ml	16 ul	↓	↓	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9461	BZ-169	EM Science A9040249	100 ug/ml	NA	NA	NA	NA	9/24/99	6/1/00		gg
S-9462	BZ-184	EM Science A8080218									
S-9463	BZ-183	EM Science A7080246									
S-9464	BZ-156	EM Science A8090134									
S-9465	Congener Mix	EM Science A7060525									
S-9466	Congener Std.										
	Congener Mix	S-9465	100 ug/ml	32 ul	10 ml	0.32 ug/ml	Hex. / 994072		3/24/00		
	BZ Supplements	S-9459, S-9464									
	TCX	S-7789	200 ug/m	16 ul							
S-9467	BZ-87	Ultra Scientific L-564A	100 ug/ml	NA	NA	NA	NA		5/1/02		
S-9468	BZ-183	Ultra L-229B							12/1/02		
S-9469	BZ-49	Ultra L-516A							5/30/02		
S-9470	BZ-169	Ultra M-0793							6/2/02		
S-9471	BZ-184	Ultra K-0844							1/31/04		
S-9472	BZ-156	Ultra M-1775							1/31/03		
S-9473	Cong. Mix	Ultra M-1222	0.200 ug/ml						9/30/02		
S-9474	Cong Std						Hex / 994072		3/24/00		
	Cong Mix	S-9473	200 ug/ml	32 ul		0.64 ug/ml					
	BZ-Supp.	S-9467 → S-9472	100 ug/ml			0.32					
	TCX	S-7789	200 ug/ml	16 ul							
S-9475	Bay Sed Offest Mix - ULTRA # SPM-614	Lot# M-1616	200 ug/ml	1 ml					12/2000		
S-9476	Offest Surr ULTRA # KM-5201	Lot# L-1228	1000 ug/ml	1 ml					12/2000		

Reviewed by: John Angelone Date: 9/27/99

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9440	PEST B3 ICV Stock	Restek A013604	8-16 ug/ml	–	–	–	HEX ~~[illegible]~~	9-10-99	7-03		RMC
S-9441	PEST B3 ICV	S-9440	8-16 ug/ml	500 ul	100 mL	0.04-0.08 ug/mL	HEX 994072	9-10-99	3-10-00		RMC
S-9442	Diesel Stock	S-8779	Neat	~~1.25~~ .5 g	~~25~~ 10 mL	50,000 ug/mL	Jahsene	011199	031199		JAA
S-9443	Diesel MS	S-9442	80,000 ug/mL	5 mL	100 mL	2500 ug/mL	80:20 Acetone	↓	↓		↓
S-9444	Stockton MS	↓	↓	1 mL	↓	500 ug/mL	↓	↓	↓		↓
S-9445	Ar 1221	Restek A008324	1000 PPM	–	–	–	–	9/13/99	2/2000		TS
S-9446	Ar 1221	S-9445	↓	20 ul	100 ml	0.2 ug/ml	Fisher HEXANE/H301-4	↓	3/2000		TS
S-9447	TOXAPHENE	Restek A008212	1000 PPM	–	–	–	–	9/13/99	6/2000		↓
S-9448	Toxaphene	S-9447	↓	200 ul	100 ml	0.5 ug/ml	Fisher HEXANE/H301-4	↓	3/2000		↓
S-9449	Triphenylphosphate	Chem Serv 227-43A	500 ug/ml	–	–	–	t-butyl methyl ether	opened 9-13-99	11-00		J.H.
S-9450	Tributylphosphate	Chem Service 231-113A	2000 ug/ml	–	–	–	acetone	↓	2/01		↓
S9451	8141 ~~Surrogate~~ ~~MS~~ M.S.	S8858	1000 ug/ml	0.50 ~~0.25~~ mL	50 mL ~~25~~ mL	10 ug/ml	MeOH UN1230	9-13-99	12-99		JH
S-9452	Diesel MM	S-9366	2000/400 ug/ml	6.25 mL	25 mL	500/100 ug/ml	MeCl/BU602	091499	012400		JH
S-9453	Pesticide Surrogate	S-9413	200 ug/ml	0.6 mL	200 mL	0.6 ug/ml	acetone BU516	9-16-99	3-16-00		JH
S-9454	OP Pest 8141 Surr	S-9449	500 ug/ml	4.0 mL	100 mL	20 ug/ml	MeOH N10273	9-18-99	3-18-00		JH
↓	↓	S-9450	2000 ug/ml	1.0 mL	↓	↓	↓	↓	↓		↓
S-9455	Chlordane Stock	Restek A013176	1000 ug/ml	–	–	–	hexane	9-21-99	6-03		JH
S-9456	Chlordane MDL Spike	S-9455	↓	50 ul	50 mL	1.0 ug/ml	acetone BU516	↓	3-21-00		JH
S-9457	Pesticide Surrogate	S-9413	200 ug/ml	0.6 ml	200 mL	0.6 ug/ml	acetone BU516	9-23-99	3-23-00		JH
S-9458	C_{28} Surr.	Sigma 8340685	99%	250 mg	500 ml	500 ug/ml	80:20 Acetone/Mecl2 BU123/BU660	9/23/99	3/23/00		[illegible]
S-9459	BZ-87	EM Science A2030342	100 ug/ml	/	/	/	/	9/24/99	10/1/00		[illegible]
S-9460	BZ-49	EM Science A9020149	100 ug/ml	/	/	/	/	↓	10/1/00		↓

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9421	A Mix Con 3	S-9416	50-100 ug/ml	0.08 ml	100 ml	0.04-0.4 ug/ml	[illegible]	[illegible]	2/1/2000		TS
S-9422	4			0.12		0.06-0.6 ug/ml					
S-9423	5			0.16		0.08-0.8					
S-9424	B Mix Con 6	S-9425	50-100 ug/ml	25 ml	50 ml	0.0025-0.005 ug/ml					
S-9425	1	S-9417	50-100 ug/ml	0.01	100 ml	0.005-0.01					
S-9426	2			0.04		0.02-0.04					
S-9427	3			0.08		0.04-0.08					
S-9428	4			0.12		0.06-0.12					
S-9429	5			0.16		0.08-0.16					
S-9430	EDB/DBCP Con 1	S-9311	.4 ug/mL	3 uL	35 mL	34.3 mg/uL	DI water	090299	090399		JAA
S-9431	2			5 uL		57.1					
S-9432	3			10 uL		114					
S-9433	4			15 uL		171					
S-9434	5			25 uL		286					
S-9435	Pest CLP Surr	S-9413	200 ug/ml	0.2 mL	200 mL	0.2 ug/ml	acetone BV543	9-4-99	3-4-00		JN.
S-9436	Florisil Cart Chk	R0396	20 ug/ml	0.5 mL	100 mL	0.1 ug/ml	Acetone BV516	9-6-99	3-6-00		JU
S-9437	Chlorbenside Stock	S-8841	Neat	100 mg	25 ml	4000 ug/ml	Acetone BV516	9-7-99	3-7-99		JCL
S-9438	Chlorbenside Working	S-9437	4000 ug/ml	250 ul	10 ml	100 ug/ml	Hex 994072				
S-9439	C mix Con 5	S-9379	10 ug/ml	800 ul	100 ml	80 pg/ml			2-2-00		
	Mirex	S-9380	100 ug/ml	160 ul		160 pg/ml					
	Chlorbenside	S-9438									
	DCPA	S-8839									

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9406	Herb Std							[illegible]	2/28/00		JC
	Herb Mix	S-9405	10-10000 ug/ml	1 ml	10 ml	1-1000 ug/ml	Hex	↓	↓		↓
	Picloram	S-9030	100 ug/ml	1 ml	↓	10.0	↓	↓	↓		↓
	PCP	S-9031	100 ug/ml	100 ul	↓	10	↓	↓	↓		↓
	DCAA	S-9032	2000 ug/ml	50 ul	↓	10.0	↓	↓	↓		↓
S-9407	Chlordane (conc 1)	S-~~8021~~ 9410	1000 ug/ml	10 ml	100 ml	0.1 ug/ml	HEX	8/18/99	2/18/00		RMC
↓	TCX/DCB	S-~~8240~~ 9379	10 ug/ml	50 ml	100 ml	0.005 ug/ml	HEX	8/18/99	2/18/00		RMC
S-9408	Chlordane (conc 3)	S-~~8021~~ 9410 RMC 8/18/99	1000 ug/ml	40 ml	100 ml	0.4 ug/ml	HEX	8/18/99	2/18/00		RMC
↓	TCX/DCB	S-~~8240~~ 9379	10 ug/ml	200 ml	100 ml	0.02 ug/ml	HEX	8/18/99	2/18/00		RMC
S-9409	Chlordane (conc 5)	S-~~8021~~ 9410	1000 ug/ml	200 ml	100 ml	2.0 ug/ml	HEX	8/18/99	2/18/00		RMC
↓	TCX/DCB	S-~~8240~~ 9379	10 ug/ml	1000 ml	100 ml	0.1 ug/ml	HEX	8/18/99	2/18/00		RMC
S-9410	Chlordane Stock	Restek Lot # A013176	1000 ug/ml	—	—	1000 ug/ml	HEX	8/18/99	6-03		RMC
S-9411	AFCEE Pest M.S. Stock	NSI Q2130-02	25/50/125 ug/ml	30 mL	—	—	MeOH	8/18/99	2-00		JH
S-9412	AFCEE Pest M.S.	S-9411	↓	2.0 mL	200 mL	0.25/0.5/1.25 ug/ml	MeOH N10273	8-18-99	2-18-00		JH
S-9413	Pest Surrogate Stock	Restek A013427	200 ug/mL	5 mL	—	—	acetone	rec'd 8-27-99	3-02		JH
S-9414	Pesticide Surrogate	S-9413	↓	0.6 mL	200 mL	0.6 ug/ml	acetone BV516	8-31-99	2-31-00		↓
S-9415	PCB Matrix Spike	S-9333	1000 ug/ml	1.0 mL	↓	5.0 ug/ml	↓	↓	↓		↓
S-9416	Custom Pest MixA	Supelco LA81855	50-500 ug/ml	—	—	—	—	09/01/99	02/01/2000		TS
S-9417	Custom Pest MixB	Supelco LA81856	50-100 ug/ml	—	—	—	—	↓	↓		↓
S-9418	A Mix Con 6	S-9420	0.02-0.2 ug/ml	10 ml	100 ml	0.002-0.02 ug/ml	Mallinckrodt HEXANE/H4[illegible]	09/01/99	02/01/2000		↓
S-9419	1	S-9416	50-500 ug/ml ~~0.005-0.05~~ 9/1/99	0.01 ml	↓	0.005-0.05 ug/ml	↓	↓	↓		↓
S-9420	2	S-9416	↓	0.04 ml	↓	0.02-0.2 ug/ml	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9398	PEM stock	Restek A011489	1-25 ug/ml	—	—	—	—	8/16/99	6/01		TJ
S-9399	PEM working	S-9398	↓	1ml	100ml	0.01-0.25 ug/ml	Mallinckrodt Hexane/[illegible]	[illegible]	2/16/00		TJ
S-9400	Aroclor 1254 stock	Restek A008327	1000 ug/ml	—	—	1000 ug/ml		—	2/2000		JCa
S-9401	Aroclor 1254 Working	S-9400	1000 ug/ml	10 ul	100ml	0.1 ug/ml	Hex.	8/16/99	↓		↓
	tex-deb	S-9379	10 ug/ml	200 ul	↓	0.02 ug/ml		↓	↓		↓
S-9402	PIBlank	S-9379	↓	200 ul	↓	↓		↓	4/2/2000		↓
S-9403	DCAA Methyl Ester	Ultra Scientific lot# M1033	100 ug/ml	—	2ml	—	—	8/16/99	8/31/01		
S-~~9404~~	Methyl. Herb Std										
S-9404	DCAA	S-9403	100 ug/ml	1ml	10ml	10 ug/ml		8/16/99	10/31/99		
	herb mix	S-9306	10-10,000 ug/ml	1ml	↓	1-1000 ug/ml		↓	↓		↓
	PCP	S-8904	100 ug/ml	100 ul	↓	1 ug/ml		↓	↓		↓
	Picloram	S-8650	1000 ug/ml	100 ul	↓	10 ug/ml		↓	↓		↓
S-9405	Methylated Herb Mix	Ultra Scientific P-0949									
	2,4-D		100 ug/ml	NA	5 ml.	NA		8/16/99	7/31/02		JCa
	Dalapon		250	↓	↓	↓		↓	↓		↓
	2,4-DB		100	↓	↓	↓		↓	↓		↓
	dicamba		10	↓	↓	↓		↓	↓		↓
	dichlorprop		100	↓	↓	↓		↓	↓		↓
	dinoseb		50	↓	↓	↓		↓	↓		↓
	MCPA & MCPP		10,000	↓	↓	↓		↓	↓		↓
	2,4,5-TP		10	↓	↓	↓		↓	↓		↓
	2,4,5-T		10	↓	↓	↓		↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
CMIXcon3 9382	Mirex	9380	100ug/ml	160ul	100ml	0.16ug/ml	HEX/BV082	8/2/99	2/2/00	–	TS
	trans-Nonachlor	S-9230	100ug/ml	160ul							
	2,4'-DDT	S-9231									
	2,4'-DDE	S-9232									
	2,4'-DDD	S-9233									
	Pest Surrogate	S-9379	10ug/ml	800ul		0.08ug/ml					
S-9383	CMIX Con1	S-9382	-	0.3125ml	10ml	0.005ug/ml	HEX/BV082	8/2/99	2/2/00		
S-9384	CMIX con2	S-9382	-	2.5ml		0.04ug/ml					
S-9385	CMIX con3	S-9382	-	25ml	50ml	0.08ug/ml					
S-9386	CMIX Con4	S-9382	-	7.5ml	10ml	0.12ug/ml					
S-9387	Chlordane MS	S-9137	100ug/ml	50ul	10mL	500ug/ml	MeOH	3/2/99	2.200		JH
S-9388	motor oil Std	Restek A010155	50000ug/mL	1mL	1mL	50,000ug/mL	MeCl2	080399	1/01		[illegible]
S-9389	MO MH	S-9388			25mL	2000ug/mL	MeCl2/N06293	080399	020200		
	C28	S-9365	2000ug/mL	5mL	25mL	400		080399			
S-9390	MO MH	S-9389	2000/400 ug/mL	5mL	10mL	1000/200 ug/mL					
S-9391	MO MM	S-9389		6.25mL	25mL	500/100					
S-9392	MO ML			1mL	10mL	200/40					
S-9393	MO LL			125mL	10mL	50/10					
S-9394	PestCLPSurr	S-9242	200ug/mL	0.2mL	200mL	0.2ug/ml	Acetone DIMS	8-4-99	2-4-00		JH
S-9395	RESC Stock	Restek lot A011498	1-10ug/ml	–	–	–	–	Opened 8-10-99	7/01		GDN
S-9396	RESC Working	S-9395		1.0ml	100ml	0.01-0.1ug/ml	Hex/	8-10-99	2-10-00		GDN
S-9397	PEM Stock	~~Restek~~ S-9338	1-25ug/ml	1.0ml	100ml	0.01-0.25ug/ml	Hex/				[illegible]

Reviewed by: John Angelone Date: 8/10/99

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9365	C28 Stock	Chemservice 154-63A	99%	.05g	25mL	2000ug/mL	MeCl2/[illegible]	072499	012499		JAA
S-9366	Diesel HH	Ultra RG0616	50,000ug/mL	2mL	50mL	2000ug/mL	MeCl2/[illegible]	072499	012499		
	C28	S-9365	2000ug/mL	10mL	↓	400ug/mL					
S-9367	Diesel MH	S-9366	2000/400 ug/mL	5mL	10mL	1000/200 ug/mL					
S-9368	Diesel MM			6.25mL	25mL	500/100 ug/mL					
S-9369	Diesel ML			1mL	10mL	200/40 ug/mL					
S-9370	Diesel LL			.25mL	10mL	~~100~~ 50/10 ug/mL	JAA 072499				
S9371	Herbicide MS	S-9061	1000ug/ml	800ml	50.0mL	16 ug/ml	MeOH DT722+	7-28-99	1-28-00		JA
		S-9062	100ug/ml			1.6 ug/ml					
		S-9174	10-1000 ug/ml	8.0mL		1.6-1600 ug/ml					
S-9372	Pesticide Surrogate	S-9242	200ug/ml	0.6mL	200mL	0.6ug/ml	Acetone DT943	7-28-99	1-28-00		JH
S-9373	EDB/DBCP Con 1	S-9311	0.4ug/ml	3ul	35ml	34.3 ng/ul	WA/DI H2O	7-29-99	7/30/99		JH
S-9374	2			5ul		57					
S-9375	3			10ul		114					
S-9376	4			15ul		171					
S-9377	5			25ul		286					
S-9378	Pest surrogate stock	Restek A012642	200ug/ml	—	—	—	acetone	8/2/99	12/01		TS
S-9379	Pest Surr. mix	S-9378	200ug/ml	0.5ml	10ml	10ug/ml	HEX/BV082	8/2/99	2/2/00		TS
S-9380	Mirex	Chemservice 221-67A	1000ug/ml	—	—	—	Methanol	8/2/99	09/00		
S-9381	Hexachlorobenzene	Chemservice 229-16B	100ug/ml	—	—	—	↓	↓	12/00		
S-9382	C Mix con 5	S-9381	—	—	—	—	—	—	—		
↓	Hexachlorobenzene	S-9381	100ug/ml	160ul	100ml	0.16ug/ml	HEX/BV082	8/2/99	2/2/00		

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
~~S-9353~~	~~Pest Surr. Stock~~	Restek ~~A012642~~	~~200ul/ml~~	~~1 ml~~	TS 7/13/99	—	~~Acetone~~	~~1/13/99~~	~~12/01~~		~~TS~~
S-9353	Aroclor 1660-Con1	S-8979	1000ug/ml	10ml	100 ml	0.1mg/ml	HEXANE-BV082 (B&J)	1/13/99	10/20/99		TS
↓	Pest Surrogate	S-9181	10µg/ml	50ml		0.005mg/ml					
S-9354	Aroclor 1660-Con2	S-8979	1000µg/ml	20ml		0.2µg/ml					
↓	Pest Surrogate	S-9181	10µg/ml	100ml		0.01µg/ml					
S-9355	Aroclor 1660-Con3	S-8979	1000µg/ml	40ml		0.4µg/ml					
↓	Pest Surrogate	S-9181	10µg/ml	200ml		0.02µg/ml					
S-9356	Aroclor 1660-Con4	S-8979	1000µg/ml	100ml		1.0µg/ml					
↓	Pest Surrogate	S-9181	10µg/ml	500ml		0.05µg/ml					
S-9357	Aroclor 1660-Con5	S-8979	1000µg/ml	200ml		2.0µg/ml					
↓	Pest Surrogate	S-9181	10µg/ml	1000ml	↓	0.1µg/ml	↓	↓	↓		↓
S-9358	HMX/RDX MS Solut.	S-9265	1000 µg/ml	50ml	25ml	2.0 µg/ml	Methanol/BU431	7/13/99	1/13/00		JA
~~S-9359~~		S-9266	d	500ml	d	20 µg/ml	d	d	d		d
S-9359	RDX/HMX High Pt	S-9342	10 µg/ml	100ml	100ml	0.01 µg/ml	DI H_2O	d	8/13/99		↓
~~S-9360~~	~~Pesticide Mix~~ 7/14/4	S-9358	2-20 µg/ml	d	d	0.002-0.02 µg/ml	d	d	d		d
S-9360	Pesticide M.S. APCC	S-9190	25/6.1/125 µg/ml	2.0mL	200mL	0.25/0.061/1.25 µg/ml	MeOH BU431	7-14-99	1-14-00		JH
S-9361	Pesticide Surr.	S-9242	200ug/ml	0.6mL	200mL	0.6ug/ml	Acetone BK43	d	d		↓
S-9362	O-TP Surr.	M-1027 Ultra Scientific	2000 µg/ml	—	4ml	—	—	7/15/99	8/31/02		JC
S-9363	Aroclor 1660-ICV	S-9054	1000mg/ml	40ml	100ml	0.4mg/ml	HEXANE-BV082 (B&J)	7/16/99	10/20/99		TS
↓	↓	S-9055	↓	40ml	↓	↓	↓	↓	↓		↓
↓	TCX/DCB	S-9181	10mg/ml	200ml	↓	0.02mg/ml	↓	↓	↓		↓
S-9364	DIMP + DMMP	S-9185	50 µg/ml	320ml	2ml	8 µg/ml	$MeCl_2$ ND6193	7/22/99			JC

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9338	PEM Stock	Restek A013625	1.25 ug/ml	—	5 ml	—	—	6/22/99	2/31/2002		GC
S-9339	PEM Working	S-9338	↓	1 ml	100 ml	0.01-0.25 ug/ml		↓	12/22/99		↓
S-9340	Herbicide Surrogate	S-9060 ~~S-8020~~	2000 ug/ml	2.0 mL	200 mL	20 ug/ml	Acetone B1443	6-23-99	12-23-99 ~~6-23-99~~		J.A.
S-9341	Herbicide M.S.	S-9061	1000 ug/ml	400 ul	25.0 mL	16 ug/ml	MeOH B0246	6-25-99	12-25-99		↓
	↓	S-9062	100 ug/ml	400 ul	↓	1.6 ug/ml	↓	↓	↓		
↓	↓	S-9174	10-10,000 ug/ml	4.0 ml	↓	1.6-1600 ug/ml	↓	↓	↓		↓
S-9342	Explosive Soil Working	S-9120	100 ug/ml	1 ml	10 ml	10 ug/ml	MeOH / B0796	6-25-99	9-19-99		JA
S-9343	Explosive High PH	S-9342	10 ug/ml	50 ul	100 ml	0.005 ug/ml	Di H_2O	↓	↓		↓
	w/ Burner Oil	S-9267	0.2-20 ug/ml	↓	↓	0.0001-0.001 ug/ml	↓	↓			
S-9344	Explosive High PH	S-9342	10 ug/ml	50 ul	↓	0.005 ug/ml		↓	↓		
		S-9267	0.2-20 ug/ml	↓	↓	0.001-0.001 ug/ml	↓	↓	↓		↓
S-9345	Explosive High PH	S-9342	10 ug/ml	200 ~~400~~ ul	100 ml	0.005 ug/ml	Di H_2O	6/28/99	7/28/99		JA
		S-9267	0.2-20 ug/ml	↓	↓	0.0001-0.001 ug/ml	↓	↓	↓		↓
S-9346	TNRCC STANDARD	Ultra M-0193	50,000 ug/ml	4 mL	8 mL	25,000 ug/ml	$MeCl_2$	070199	010299		JA
		Ultra P-0308	↓	↓	↓	↓	↓	↓	↓		↓
S-9347	TNRCC High	S-9346	25,000 ug/ml	8 mL	10 mL	2000 ug/ml	Pentane B0075	070299	90299		JA
	OTP	Ultra M-1027	2000 ug/ml	2 mL	10 mL	400 ug/ml	↓	↓	↓		↓
S-9348	Pesticide Surrogate	S 9242	200 ug/ml	0.6 mL	200 mL	0.6 ug/ml	Acetone D1543	7-2-99	1-2-00		JA
S-9349	Pest Mix A ICV	S-9179	8-80 ug/ml	0.5 ml	100 ml	0.04-0.4 ug/ml	Hex / B0082	7/6/99	1/6/00		JA
S-9350	Gasoline Amoco	Neat	Neat	—	—	—	—	070799	010799		JA
S-9351	TNRCC STND.	S-9350 ~~S-8779~~	Neat	.5 g .5 g	10 mL	100 mg/kg	$MeCl_2$ / B0060	070799	010799		JA
S-9352	TNRCC HH	S-9351	100,000 ug/ml	2 mL	10 mL	2000 ug/ml	↓	070899	010899		JA
	OTP	Ultra M-1027	2000 ug/ml	5 mL	10 mL	100 ug/ml	$MeCl_2$ / B0060	↓	↓		↓

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9322	8140 Std								10/31/99		
	8140 mix	S-9320	200 ug/ml	1.25 ml	10 ml	25 ug/ml	Hex / BV082	6/10/99	~~12/10/99~~	9a 6/10/99	JCL
	Malathion	S-9321	1000 ug/ml	250 ul	↓	↓	↓	↓	↓		↓
	triphenylphosphate 9a	~~S-0164~~ S-9323	500	↓	↓	↓	↓	↓	↓		↓
	tributylphosphate 9a	~~S-0165~~ S-9085	2000	↓	↓	↓	↓	↓	↓		↓
S-9323	triphenylphosphate	Chemsurv 209-30B	500 ug/ml	—	—	—	NA	↓	10/31/99		↓
S-9324	Aroclor 1016/1260 Con 3	S-8979	1000 ug/ml	40 ML	100 ML	0-4 Mg/ml	HEXANE / BV082	6/11/99	10/20/99		TJ
↓	TCX / DCB	S-9181	10 Mg/ml	200 ML	↓	0.02 ug/ml	↓	↓	↓		↓
S-9325	PCBAR 1221/1254 MDL Spk	S-9090	1000 ug/ml	25 ml	50 ml	0.5 ug/ml	Acetone BT943	6-12-99	12-12-99		JH
↓	↓	S-8148	↓	↓	↓	↓	↓	↓	↓		↓
S-9326	PCB AR 1232 MDL Spk	S-9042	↓	↓	↓	↓	↓	↓	↓		↓
S-9327	PCB AR 1242 MDL Spk	S-8829	↓	↓	↓	↓	↓	↓	↓		↓
S-9328	PCB AR 1245 MDL Spk	S-9045	↓	↓	↓	↓	↓	↓	↓		↓
S-9329	Pest CLP Surrogate	S-9242	200 ug/ml	200 ul	200 ml	0.2 ug/ml	↓	↓	↓		↓
S-9330	PCB MDL Spk 1016/1260	S-9178	5.0 ug/ml	2.5 ml	25 ml	0.5 ug/ml	↓	6-14-99	12-14-99		JH
S-9331	Diesel MS	S-9750	52,000 ug/ml	5 mL	100 mL	2520 ug/ml	80:20 ACE:MeCl2	061899	091899		~~JCL~~
S-9332	Stockton Diesel MS	↓	↓	1 mL	100 mL	500 ug/ml	↓	↓	↓		↓
S-9333	1016/1260 PCB Stock	Dister A012757	1000 ug/ml	5 mL	—	—	hexane	Opened 6-18-99	12-01		JH
S-9334	PCB MS	S-9333	1000 ug/ml	1.0 ml	200 mL	5.0 ug/ml	Acetone BT943	6-18-99	12-18-99		↓
S-9335	AFCEE Pest M.S.	S-~~140~~ 9190 6/11/99	25/50/125 ug/ml	2.0 ml	200 mL	0.25/.5/1.25 ug/ml	MeOH BN746	6-19-99	12-19-99		↓
S-9336	Pest CLP Surr	S-9242	200 ug/ml	200 ul	200 mL	0.2 ug/ml	Acetone BT943	↓	↓		↓
S-9337	Pest Surr	↓	↓	0.6 ml	↓	0.6 ug/ml	↓	↓	↓		↓

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9306	MCPP	Chem Serv Lot 224-133A	10,000 ug/ml	N/A	5 ml	N/A	N/A	6/2/99	5-31-2000		[illegible]
(cont.)	MCPA	↓	↓	↓	↓	↓	↓	↓	↓		↓
S-9307	Methyl Herb Std								8-31-99		
	Herb Mix	S-9306	10-10,000 ug/ml	1 ml	10 ml	1-1000 ug/ml	Hex. / BV082				
	PCP	S-8904	100	100 ul		1					
	Picloram	S-8905	100	1 ml		10					
	DCAA	S-9239	100 ↓	100 ul	↓	10 ↓	↓	↓	↓		↓
S-9308	Pest B3 ICV	S-9051	8-16 ug/ml	500 ul	100 ml	0.04-0.08 ug/ml	Hex. / BV082	6/8/99	12/8/99		[illegible]
S-9309	Pest MDL Add. Compds	S-9214	20 ug/ml	125 ul	25 ml	0.1 ug/ml	MeOH BV746	6/9/99	11/10/99		J.H
S-9310	504/8011 Stock	Ultra Scient L-1400	200 ug/ml	—	—	—	N/A	6/9/99	11/3/99		[illegible]
S-9311	EDB/DBCP	S-9310	↓	20 ul	10 ml	0.4 ug/ml	Methanol	↓	↓		
S-9312	EDB/DBCP Conc 1	S-9311	0.4 ug/ml	3 ul	35 ml	34.3 ug/ml	N/A		6-10-99		
S-9313	2			5 ul		57.1					
S-9314	3			10 ul		114					
S-9315	4			15 ul		171					
S-9316	5	↓	↓	25 ul	↓	286 ↓	↓	↓	↓		
S-9317	OP Pest Mix Stm-824	Ultra P0324	200 ug/ml	4 ml	4 ml	—	hexane/acetone	opened 6-10-99	10-99		[illegible]
S-9318	Malathion PST-6415	Ultra M1539	100 ug/ml	1 ml	—	—	methanol	opened 6-10-99	12-00		J.H.
S-9319	OP Pest MDL Spk	S-9317	200 ug/ml	250 ul	25 ml	2.0 ug/ml	MeOH BV746	6-10-99	12-10-99		
↓	↓	S-9318	100 ug/ml	500 ul	↓	↓	↓	↓	↓		↓
S-9320	8140 mix	Protocol 8990107005	200 ug/ml	—	—	—	N/A	6-10-99	12-10-99		[illegible]
S-9321	Malathion Stock	Protocol 2990122006	1000 ug/ml	—	—	—	N/A	↓	↓		[illegible]

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9296	Fuel Oil Dil/Ext	S-9295	200 µg/mL	500 µL	10 mL	100 µg/mL	MeCl2/Pentane	05 2199	07 01 99		[illegible]
S-9297	Motor ICV	S-8446	10,000 µg/mL	.5 mL	10 mL	500 µg/mL	MeCl2/Pentane	05 2199	~~[illegible]~~		[illegible]
		S-9250	2,000 µg/mL	10 mL	10 mL	50 µg/mL	↓	↓	↓		↓
S-9298	Cs6	S-8431	1000 µg/mL	5 mL	100 mL	500 µg/mL	MeCl2/Pentane	05 2199	05 2199		[illegible]
S-9299	1005 Window Std	Ultra M-08016	200 µg/mL	1 mL	1 mL	200 µg/mL	n-Pentane	05 29 99	07/01		[illegible]
S-9300	OTP Surrogate	S-9250	50,000 µg/ml	40 µL	100 ml	20 µg/ml	Acetone DU123	5 30 99	11 30 99		J.H.
S-9301	Pest CLP Surr	S-9242	200 µg/ml	200 µL	200 ml	0.2 µg/ml	Acetone DU123	6/1/99	12/1/99		JH
S-9302	AR1660 ICV	S-9054	1000 µg/ml	40 µl	100 ml	0.4 µg/ml	Hex / BT250	6/2/99	12/2/99		GDM
↓	↓	S-9055	↓	40 µl	↓	↓	↓	↓	↓		↓
↓	TCX/DCB	S-9181	10 µg/ml	200 µl	↓	0.02 µg/ml	↓	↓	↓		↓
S-9303	PCB Tot MDL Spk	S9047	1000 µg/ml	125 µL	50.0 ml	2.5 µg/ml	Acetone DU123	6/3/99	12/3/99		JH
S 9304	Pest MDL Spk	S-9191	.25/.5/1.25 µg/ml	5 mL	25 mL	.05/.1/.25 µg/ml	MeOH DU746	6/3/99	12/3/99		↓
S-9305	Congener MDL Spk	S 9153	0.08 µg/ml	3.125 ml	25 mL	0.01 µg/ml	↓	6/4/99	12/4/99		↓
S-9306	Methyl. Herb Mix	Chem Serv 41-224-135A	NA	NA	5 ml	NA	NA	6/7/99	5/31/2000		[illegible]
	2,4-D	CCNC 100 µg/mL	↓	↓	↓	↓	↓	↓	↓		↓
	2,4,5-TP	10 µg/mL	↓	↓	↓	↓	↓	↓	↓		↓
	Dalapon	250	↓	↓	↓	↓	↓	↓	↓		↓
	Picloram	10	↓	↓	↓	↓	↓	↓	↓		↓
	Dinoseb	50	↓	↓	↓	↓	↓	↓	↓		↓
	2,4-DB	100	↓	↓	↓	↓	↓	↓	↓		↓
	2,4,5-T	10	↓	↓	↓	↓	↓	↓	↓		↓
	Dichloroprop	100	↓	↓	↓	↓	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9276	BZ con 1	S-9279	10 ug/ml	10 ul	1 ml	0.10 ug/ml	H_2O	5/27/99	—		GG
S-9277	BZ con 2	↓	↓	100 ul	1 ml	1.0 ug/ml	↓	↓	↓		↓
S-9278	BZ con 3	S-9275	1000 ug/ml	5 ul	1 ml	50 ug/ml	↓	↓	↓		↓
S-9279	BZ con 4	↓	↓	10 ul	1 ml	10 ug/ml	↓	↓	↓		↓
S-9280	BZ con 5	↓	↓	25 ul	1 ml	25 ug/ml	↓	↓	↓		↓
S-9281	BZ con 6	↓	↓	50 ul	1 ml	50 ug/ml	↓	↓	↓		↓
S-9282	BZ con 7	↓	↓	100 ul	1 ml	100 ug/ml	↓	↓	↓		↓
S-9283	BZ 2-nitroaniline surr (T-1780)	T-1780	5000 ug/ml	—	—	—	—	—	—	—	—
~~S-9284~~	~~BZ con 1~~										
S-9285	BZ con ~~2~~ 1			100 ul	1.0 ml	0.1 ug/ml	H_2O	5/27/99	—		GG
S-9286	GG ~~3~~ 2			200 ul	1.0 ml	1 ug/ml	H_2O	↓	↓		↓
S-9287	5/27/99 ~~4~~ 3			500 ul	1.0 ml	5 ug/ml	H_2O	↓	↓		↓
S-9288	~~5~~ 4	S-9289	25 ug/ml	400 ul	1.0 ml	10 ug/ml	H_2O	↓	↓		↓
S-9289	↓ ~~6~~ 5	S-9275	1000 ug/ml	250 ul	10 ml	25 ug/ml	H_2O	↓	↓		↓
	↓	S-9283	5000 ug/ml	50 ul	↓	↓	↓	↓	↓		↓
S-9290	BZ MS (soil)	S-9275	1000 ug/ml	6.25 ml	50 ml	125 ug/ml	H_2O	↓	↓		↓
S-9291	BZ surr (soil) 2-nitroaniline	S-9283	5000 ug/ml	1.25 ml	50 ml	125 ug/ml	H_2O	↓	↓		↓
S-9292	OTP Standard	Ultra m-1077 ISS-480	2000 ug/mL	2 mL	2 mL	2000 ug/mL	$MeCl_2$	052899	08/02		[illegible]
S-9293	MRCC HH	S-9247	25000 ug/mL	18 mL	10 mL	2000 ug/mL	Pentane/BU075	↓	112899		↓
		S-9292	2000 ug/mL	2 mL	↓	400 ug/mL	↓	↓	↓		↓
S-9294	Pesticide Surrogate	S-9242	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Hexane B1947	5-28-99	11-28-99		J.L.
S-9295	Fuel Oil Degradation Mix	Restek A01091	2000 ug/mL	1 mL	1 mL	2000 ug/mL	$MeCl_2$	052999	7/99		[illegible]

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9267	Kephigg Mix	S-9257	1000 ug/ml	30 ul	50 ml	0.6 ug/ml	Acetonitrile	5/24/99	11/24/99		JH
		S-9258		30 ul		0.6 ug/ml					
		S-9259		90 ul		1.8 ug/ml					
		S-9260		90 ul		1.8 ug/ml					
		S-9261		90 ul		1.8 ug/ml					
		S-9262		40 ul		0.8 ug/ml					
		S-9263		40 ul		0.8 ug/ml					
		S-9264		100 ul		2.0 ug/ml					
		S-9265		100 ul		2.0 ug/ml					
S-9268	OTP standard	Ultra L-1516	2000 ug/ml	3 mL	3 mL	2000 ug/ml	MeCl2	052599	12/99		[illegible]
S-9269	C10 C18	Wastek A012737	2000 ug/ml	3 mL	3 mL	2000 ug/ml	MeCl2	052599	10/01		
S-9270	Maine HH	S-9268	2000 ug/mL	25 mL	25 mL	200 ug/mL	MeCl2/[illegible]		112599		
		S-9269	2000 ug/mL			2000 ug/mL					
S-9271	Pest Added Conc 5	~~Endosulfan~~ S-9214	20 ~~1000~~ ug/ml	800 ul ~~[illegible]~~	100 ml	0.160 ug/ml	Hexane / FT250	052699	111099		AH
	~~Endosulfan 7~~	~~S-9211~~									
	~~Test Mix~~	~~S-9213~~									
	TCX / DCB	S-9242	200 ug/ml	80 ul	100 mL	0.160 ug/ml	Hexane / FT250	052699	111099		AH
S-9272	TNRCC Gas/Diesel MDL	S-9247	25,000 ug/ml	0.5 ml	25 ml	500 ug/ml	Acetone BJ943	5/26/99	11/26/99		JH
S-9273	TNRCC Gas/Diesel M.S	S-9247	25,000 ug/ml	5.0 ml	25 mL	5000 ug/ml					
S-9274	BZ (neat)	SIGMA LT-4 H4627 Q-0878	neat	10 mg	—	—	—	—	—		GG
S-9275	BZ Stock	S-9274	neat	10 mg	10 ml	1000 ug/ml	Acetone BJ943	5/26/99	—		GG

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9249	BTP	Supelco LA8070TS	Neat	500mg	500mg	—	—	052299	4/02		JMA
S-9250	OTP Standard	↓	↓	500mg	10mL	50,000 ug/mL	Acetone/Bu123	052299	112299		JMA
S-9251	TNRCC OTP SURGEATE	S-9250	[illegible] ug/mL	2mL	100mL	1000 ug/mL	↓	↓	↓		↓
S-9252	Diesel mm	S-89C04	2000 ug/mL 400	6.25mL	25mL	500 ug/mL 100	MeCl2/Bu660	052299	112299		JMA
S-9253	Nitrobenzene S2705	Protocol W990106001	1000 ug/ml	—	—	—	MeOH	5-24-99	5-24-01		JH
S-9254	1,3 Dinitrobenzene S1672	Protocol W990406001		—	—	—					
S-9255	2,4-Dinitrotoluene S1690	Protocol W990406006		—	—	—					
S-9256	2,6 Dinitrotoluene S-1695	Protocol W990406005		—	—	—					
S-9257	TNT S-3501	Protocol W990406017		—	—	—					
S-9258	1,3,5-Trinitrobenzene S3760	Protocol W990406008		—	—	—					
S-9259	2-Nitrotoluene S2756	Protocol W990406010		—	—	—					
S-9260	3-Nitrotoluene S2757	Protocol W990406011		—	—	—					
S-9261	4-Nitrotoluene S-2758	Protocol W990406001		—	—	—					
S-9262	4-Amino-2,6 DNT S226	Protocol W990406012		—	—	—					
S-9263	2-Amino-4,6 DNT S221	Protocol W990408005		—	—	—					
S-9264	Tetryl S-3478	Protocol W990406018		—	—	—					
S-9265	RDX S-3251	Protocol W990406013	↓	—	—	—	↓	↓	↓		↓
S-9266	HMX S2229	Protocol W990406009	↓	—	—	—	↓	↓	↓		↓
S-9267	Exp by GC Mix	S-9253	1000 ug/ml	30ul	50ml	0.6 ug/ml	Acetonitrile	5/24/99	11/24/99		JH
↓	↓	S-9254	↓	90ul	↓	1.8 ug/ml	↓	↓	↓		↓
↓	↓	S-9255	↓	20ul	↓	0.4 ug/ml	↓	↓	↓		↓
↓	↓	S-9256	↓	10ul	↓	0.2 ug/ml	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9238	Methylated Herb Mix	Protocol lot 1098CC110000			1ml	N/A	Hex / BU141	5/17/99	11/17/99		JCG
	2,4-D		100 µg/ml								
	2,4,5-TP		10								
	Dalapon		250								
	Dicamba		10								
	Dinoseb		50								
	2,4-DB		100								
	2,4,5-T		10								
	Dichloroprop		100								
	MCPP		10,000								
	MCPA		↓		↓	↓	↓	↓	↓		↓
S-9239	DCAA	Protocol lot R98101500	1000 µg/ml		↓	↓	N/A	↓	↓		↓
S-9240	Resc Stock	Restek A007452	1-10 µg/ml	—	—	—	N/A	5-18-99	7-31-99		JG
S-9241	Resc Working	S-9240	↓	1ml	100ml	0.01-0.1 µg/ml	Hex / BU141	↓	↓		↓
S-9242	Pest Surr. Stock	Restek H012642	200 µg/ml	5ml	—	—	acetone	5-19-99	12-01		JH
S-9243	Pesticide Surrogate	S-9242	↓	0.6ml	200ml	0.6 µg/ml	acetone BT943	5-20-99	11-20-99		JH
S-9244	PCB Congener Surr.	S-7789	200 µg/ml	100 ul	250ml	0.08 µg/ml	meOH BU146	↓	↓		↓
S-9245	Gasoline Soln	Ultra B-03558	50000 µg/ml	4mL	4mL	50,000 µg/mL	$MeCl_2$	—	03/03		JH
S-9246	Diesel #2	Ultra M-1431	50,000 µg/ml	4mL	4mL	50,000 µg/mL	$MeCl_2$	—	11/02		JH
S-9247	TNRCC Gasoline	S-9245	↓	4.2mL	4mL	25,000 µg/mL	↓	05/20/99	11/20/99	05/20/99	↓
	Diesel	S-9246	↓	↓	↓	↓	↓	↓	↓		↓
S-9248	C_{28} Surrogate	Sigma 63166055	99%	250mg	500mL	500 µg/mL	50:50 Acetone/$MeCl_2$	05/20/99	11/20/99		JH

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9217	AFCEE Pest MDL	S-9191	.331.5/1.25 ug/ml	5 ml	25 ml	.103/1.1/0.25 ug/ml	MeOH	5-10-99	11-10-99		J.H.
S-9218	JP-8	Supelco LA-67591	10,000 ug/mL	1 mL	1 mL	10,000 ug/mL	$MeCl_2$	5-11-99	10/99		JAA
S-9219	JP-8 ICV	S-9218	↓	.5 mL	10 mL	500 ug/mL	$MeCl_2$/BT442	↓	10/11/99		JAA
·	C28	S-8962	2000 ug/mL	.5 mL	↓	100 ug/mL	↓	↓	↓		↓
S-9220	Pest Surrogate	S-9148	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	acetone BT943	5-11-99	11-11-99		JH
S-9221	PEM W Stock	Restek lot A010112	1-25 ug/ml	—	—	—	—	Opened 5-11-99	11-11-99		GDM
S-9222	PEM Working	S-9221	↓	1.0 ml	100 ml	0.01-0.25 ug/ml	Hex BU141	5-11-99	11-11-99		GDM
S-9223	EDB/DBCP Con 1	S-9068	0.4 ug/ml	3 ul	35 ml	34.3 ng/ul	NA	5-12-99	5-13-99		JA
S-9224	2	↓	↓	5 ul	↓	57.1	↓	↓	↓		↓
S-9225	3	↓	↓	10 ul	↓	114	↓	↓	↓		↓
S-9226	4	↓	↓	15 ul	↓	171	↓	↓	↓		↓
S-9227	5	↓	↓	25 ul	↓	286	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9199	PCB AR 1248 MDL Spk	S-9045	1000 ug/ml	~~0~~ 25 ul	50.0 ml	0.5 ug/ml	Acetone B1943	5-3-99	11-3-99		J.H.
S-9200	TOX MDL Spk	S-9047	1000 ug/ml	25 ul	50.0 ml	0.5 ug/ml	Acetone B1943	↓	↓		↓
S-9201	Chlord MDL Spk	S-9137	1000 ug/ml	5.0 ul	↓	0.1 ug/ml	↓	↓	↓		↓
S-9202	EDB/DBCP Con 1	S-9068	0.4 ug/ml	3 ul	35 ml	34.3 ng/ul	NA	5-3-99	5-4-99		JL
S-9203	2	↓	↓	5	↓	571	↓	↓	↓		↓
S-9204	3	↓	↓	10	↓	114	↓	↓	↓		↓
S-9205	4	↓	↓	15	↓	171	↓	↓	↓		↓
S-9206	5	↓	↓	25	↓	286	↓	↓	↓		↓
S9207	Exp/GC ~~Low~~ Stock	S-9121	50 ug/ml	20 ul	10 ml	0.1 ug/ml	MeOH Buzi	5-4-99	11-4-99		J.H.
S9208	Pesticide Surrogate	S-9148	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone B1943	5-6-99	11-6-99		↓
S-9209	Exp by GC High Pt	S-9121	50 ug/ml	160 ul	10 ml	0.8 ug/ml	ACN	5-6-99	11-6-99		J.H.
S9210	Endo sulfate standard	A005824	1000 ug/ml	—	—	—	MeOH	opened 5-10-99	5-10-00		J.H.
S-9211	Endo I standard	A005820	1000 ug/ml	—	—	—	MeOH	opened 5-10-99	5-10-00		J.H.
~~S-9212~~	~~Pest MDL Add 10 mpcks~~	S-9210									
		S-9211					JH 5-10-99				
		S-9213									
S-9213	Pest Mix	M-0920	1000 ug/ml	—	—	—	Hexane-Toluene	5-10-99	5-10-00		JH
S-9214	Pest MDL Add Comp Sub Stock	S-9210	↓	0.2 ml	10 ml	20 ug/ml	MeOH	↓	11-10-99		↓
		S-9211	↓	↓	↓	↓	↓	↓	↓		↓
		S-9213	↓	↓	↓	↓	↓	↓	↓		↓
S-9215	Pest MDL Add Comp	S-9214	20 ug/ml	25 ul	25 ml	0.02 ug/ml	↓	↓	↓		↓
S-9216	Pest MDL Add Comp	S-9214	20 ug/ml	125 ul	25 ml	0.1 ug/ml	↓	↓	↓		↓

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9182	Ar 1660 ICV	S-9054	1000 ug/ml	40 ul	100 ml	0.4 ug/ml	Hex / BU141	4/20/99	10/20/99		JC
	↓	S-9055	↓	↓	↓	↓	↓	↓	↓		↓
	Hex / dcb	S-9181	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		↓
S-9183	HMX High Point	S-9172	1000 ug/ml	320 ul	10 ml	32 ug/ml	hexane	4-22-99	10-22-99		JH
S-9184	DIMP+DNMP	H-981	50 ug/ml	160 ul	1 ml	8 ug/ml	$MeCl_2$ / BU660	4/24/99	NA		JC
S-9185	DIMP+DNMP MS	H-979	4500 ug/ml	111 ul	10 ml	50 ug/ml	MeOH / BS084	↓	↓		↓
		H-980	4470 ↓	112 ↓	↓	↓	↓ / ↓	↓	↓		↓
S-9186	Pesticide Surrogate	S-9148	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone DT443	4-24-99	10-24-99		JH
S-9187	DIMP+DNMP MSD	S-9185	50 ug/ml	320 ul	2 ml	8 ug/ml	$MeCl_2$ / BU660	4/26/99	NA		JC
S-9188	Exp. GC M.d Pt ~~High Pt~~	S-9121	50 ug/ml	~~20 ml~~ ~~160 ul~~	10 ml	~~8.0 ug/ml~~	Hexane	4-27-99	10-27-99		JH
S-9189	DIMP+DNMP	S-9185	50 ug/ml	320 ul	2 ml	8 ug/ml	$MeCl_2$ / BU660	4-28-99	NA		JC
S-9190	QC Post Spike Stock	NSF Q-2130-01	25/50/125 ug/ml	—	—	—	MeOH	Opened 4-29-99	9-99		JH
S-9191	Pesticide HFCLE MS.	S-9190	25/50/125 ug/ml	2.0 ml	200 ml	125/50/125 ug/ml	MeOH DS081	4-29-99	9-99		JH
S-9192	Exp GC M.d Pt Curve	S-9121	50 ug/ml	20 ul	10 ml	0.1 ug/ml	MeOH DS081	4-30-99	10-30-99		JH
S-9193	PCB Long MDL Spike	S-9153	0.08 ug/ml	3.125 ml	25 ml	0.01 ug/ml	MeOH DS081	5-3-99	10-14-99 ~~11-3-99~~		JH
S-9194	PAH Matrix Spike	S-8692	1000 ug/ml	2.0 ml	100 ml	20 ug/ml	Acetone 137443	5-3-99	11-3-99		JH
↓	↓ 1 methylnaphthalene	S-9102	2000 ug/ml	1.0 ml	↓	↓	↓	↓	↓		↓
S-9195	PAH MDL Spike	S-9194	20 ug/ml	2.5 ml	50 ml	1.0 ug/ml	↓	↓	↓		↓
S-9196	PCB AR 1221/1254 MDL Spk	S-8144	1000 ug/ml	25 ul	50 ml	0.5 ug/ml	Acetone 137443	5-3-99	11-3-99		JH
↓	↓	S-8148	↓	↓	↓	↓	↓	↓	↓		↓
S-9197	PCB AR 1232 MDL Spk	S-9042	↓	↓	↓	↓	↓	↓	↓		↓
S-9198	PCB AR 1242 MDL Spk	S-8829	↓	↓	↓	↓	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9165	A Mix Con 3	S-9154	50-500 ug/ml	0.08	100 ml	0.04-0.4 ug/ml	Hex / BT250	4/14/99	10/14/99		JCL
S-9166	4			0.12		0.06-0.6 ug/ml					
S-9167	5			0.16		0.08-0.8					
S-9168	PAH MH	S-9105	100 ug/mL	5 mL	10 mL	50 ug/mL	MeCl2/BU660	4/15/99	9/13/99		JMA
S-9169	PAH MM			2 mL		20 ug/mL					
S-9170	PAH ML			1 mL		10 ug/mL					
S-9171	PAH LL			100 uL		1 ug/mL					
S-9172	HMX	Proto. S-2224 at W990406016	1000 ug/ml	1 ml	—		ACN	4/18/99	(WA) 4/18/00		GG
S-9173	Exp HL (0.4)	S-9133	0.8 ug/ml	5 ml	10 ml	0.4 ug/ml	Hex (w/ACN+ACE)	4/18/99	(WA) 4/18/00		GG
	HMX	S-9172	1000 ug/ml	640 ul		64 ug/ml					
S-9174	Herb Mix Chem Serv	224-71A	10-10,000 ug/ml	—	—	—	MTBE	opened 4-19-99	04-00		J.H
S-9175	Herbicide M.S	S-9061	1000 ug/ml	800 ul	50.0 ml	16 ug/ml	MeOH BT722	4-19-99	10-19-99		
		S-9062	100 ug/ml	800 ul		1.6 ug/ml					
		S-9174	10-10,000 ug/ml	8.0 ml		1.6-1600 ug/ml					
S-9176	Explo by GC M.S. HMX Buster	S-9126	0.1 ug/ml	10 ml	10.0 ml	HMX 16 ug/ml 0.1 ug/ml	MeOH BT722	4-19-99	10-19-99		JH
		S-9172	1000 ug/ml	160 ul	10.0 ml						
S-9177	Aroclor 1016/1260 mix	Restek A009843	1000 ug/ml	—	—	—	hexane	opened 4-20-99	10/00		JH.
S-9178	PCB M.S.	S-9177	1000 ug/ml	1.0 ml	200.0 ml	5.0 ug/ml	Aroclor BT943	4-20-99	10-20-99		
S-9179	Pest Mix A	Restek A010760	8-80 ug/ml	—	—	—	—	4-20-99	3-31-01		JCL
S-9180	Mix A ICV	S-9179		0.5 ml	100 ml	0.04-0.4 ug/ml	Hex /	4/20/99	10/20/99		
S-9181	Pest Surr. Mix	S-9148	200 ug/ml	1.25 ml	25 ml	10 ug/ml					

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9149	Pesticide Surrogate	S-9148	200ug/ml	0.6ml	200ml	0.6ug/ml	acetone BT943	4-14-99	10-14-99		J.H.
S-9150	Pesticide CLP MS Stock Pesticol CLPMS91	W98052600 4	50/100 ug/ml	—	—	—	MeOH	rec'd 4-14-99	4-8-00		JH
S-9151	2,2',3,4,5 PCBP BZ-87	EMSci A8070238	35ug/ml	—	—	—	isoactane	opened 4-14-99	5-1-00		JH
S-9152	2,2',4,5-TCBP BZ-49	EMSci A7040450	35ug/ml	—	—	—	↓	↓	↓		↓
S-9153	PCB Long MS	S-9140	35ug/ml	230 ul	100 ml	0.08ug/ml	MeOH BT722	4-14-99	10-14-99		J.H.
		S-9141									
		S-9143									
		S-9144									
		S-9151									
		S-9152									
		S-9145	100ug/ml	80 ul							
S-9154	Custom Pest A Mix	Supelco LAB1855	50-500 ug/ml	—	—	—	—	4-14-99	10-14-99		JA
S-9155	Custom Pest B Mix	Supelco Blt: LAB1856	50-100 ug/ml	—	—	—	—				
S-9156	B Mix Con 6	S-9155		0.005 ml	100ml	0.0025-0.005 ug/ml	Hex / BT250				
S-9157	1			0.01		0.005-0.01 ug/ml					
S-9158	2			0.04		0.02-0.04 ug/ml					
S-9159	3			0.08		0.04-0.08 ug/ml					
S-9160	4			0.12		0.06-0.12 ug/ml					
S-9161	5			0.160		0.08-0.16					
S-9162	A Mix Con 6	S-9154	50-500 ug/ml	0.004		0.002-0.02					
S-9163	1			0.01		0.005-0.05					
S-9164	2			0.04		0.02-0.2					

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	I
S-9133	PCB Long Surr (TCX ONLY)	S-7789	200 ug/ml	100 ul	250 ml	0.08 ug/ml	MeOH BT722	3-24-99	9-24-99		J
S9135	Pesticide surrogate	S9115	200 µg/mL	0.6 mL	200 mL	0.6 µg/mL	acetone BT943	3/30/99	9/19/99		DA
S-9136	Herb Surrogate	S-9060	2000 µg/ml	2.0 mL	200 mL	20 µg/mL	acetone BT943	4/5/99	10/5/99		J
S-9137	Tech. Chlordane Stock	Lot A011177 Restek	1000 µg/mL	—	—	—	—	4/12/99	5/00		R
S-9138	Tech. Chlordane Solution	S-9137	1000 µg/mL	5 ml	100 mL	0.5 µg/mL	HEX	4/12/99	10/11/99		R
~~S-9139~~	TCX/DCB	S-9040	10 µg/mL	200 ul	100 mL	0.02 µg/mL	HEX	4/12/99	10/12/99		R
S-9139	2,2,3,4,5-PCBP Mix	EM Sci 092-190	35 ug/ml	—	—	—	isooctane	opened 4-12-99	5-1-00		J.
S-9140	2,3,3,4,4,5 HCBP Mix	EM Sci A70M0360		—	—	—					
S-9141	2,2,3,4,4,5,6 HCBP Mix	EM Sci 016-362		—	—	—					
S-9142	2,2,4,5-TCBP Mix	EM Sci 101-042		—	—	—					
S-9143	2,2,3,4,4,6,6-HCBP Mix	EM Sci A8012S2		—	—	—					
S-9144	3,3,4,4,5,5-HCBP Mix	EM Sci 086-108		—	—	—					
S-9145	PCB Cal Chk Soln	EM Sci A8100001	100 ug/ml	—	—	—	acetone				
S-9146	PCB Congener Matrix Spike	S-9139	35 ug/ml	230 ul	100 ml	0.08 ug/ml	MeOH BT722	4-12-99	10-12-99		
		S-9140									
		S-9141									
		S-9142									
		S-9143									
		S-9144									
		S-9145	100 ug/ml	80 ul							
S-9147	Pesticide Surrogate	S-9115	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	acetone BT943	4-12-99	10-12-99		J
S-9148	Pest Surrogate Stock	Restek A011884	200 ug/ml	—	—	—	acetone	opened 4-12-99	8/01		J

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✓ - Exp GC [illegible]

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9115	Pest. Surr. Stock CLPP-S90	Protocol R990204009	200ug/ml	—	—	—	hexane/acetone	opened 3-19-99	3-19-00		JH
S-9116	Pesticide Surrogate	S-9115	↓	0.6ml	200 ml	0.6ug/ml	Acetone BT943	3-19-99	9-19-99		↓
✓ S-9117	Explosive Mix Stock	Accustandard A6100113	1000ug/ml	—	—	—	MeOH / AcCN	opened 3-19-99	4-1-00		JH
✓ S-9118	2NA Explos. Surr. Stock	T-1860	5000ug/ml	—	—	—	ACN	11-20-98	11-20-99		↓
✓ S-9119	Explosive Mix Sub Stock	S-9117	1000ug/ml	1.0ml	10.0ml	100ug/ml	Toluene BR608	3-19-99	9-19-99		↓
✓ S-9120	2NA Explos Sub Surr. Stock	S-9118	5000ug/ml	200ul	10.0ml	100ug/ml	↓	↓	↓		↓
✓ S-9121	Expl Mix + 2NA Surr Sub Stock	S-9119	100ug/ml	5.0ml	10.0ml	50ug/ml	↓	↓	↓		↓
↓	↓	S-9120	100ug/ml	5.0ml	10.0ml	50ug/ml	↓	↓	↓		↓
S-9122	High Pt for curve (Explo by GC)	S-9121	50ug/ml	100ul	25ml	0.2ug/ml	↓	↓	↓		↓
S-9123	New High Point Curve (Exp/GC)	S-9121	50ug/ml	100ul	10ml	0.5ug/ml	↓	↓	↓		↓
S-9124	Final H.P. for curve (Expl/GC)	S-9121	50ug/ml	100ul	10ml	0.5ug/ml	Hexane BT250	3-22-99	9-22-99		JH
✓ S-9125	Explos by GC Surrogate	S-9120	100ug/ml	50ul	50ml	0.1ug/ml	MeOH BT722	↓	↓		↓
✓ S-9126	Explo by GC Matrix Spike	S-9119	100ug/ml	50ul	50 ml	0.1ug/ml	↓	↓	↓		↓
S-9127	PCB Cong. Surr (Texaner)	S-7789	200ug/ml	100ul	250ml	0.08ug/ml	MeOH BT722	3-23-99	9-23-99		JH
S-9128	Herbicide Low Level Spike	S-9064	16-1600ug/ml	4.0ml	20ml	0.32-320ug/ml	↓	↓	↓		↓
S-9129	Herbicide Matrix Spike	S-9061	1000ug/ml	400ul	25ml	16ug/ml	↓	↓	↓		↓
↓	↓	S-9062	100ug/ml	400ul	↓	1.6ug/ml	↓	↓	↓		↓
↓	↓	S-9063	10-10000ug/ml	4.0ml	↓	1.6-160[illegible]ug/ml	↓	↓	↓		↓
S-9130	608 MS Stock Rested 32022	Lot A011407	200ug/ml	—	—	—	1:1 toluene/hexane	opened 3-23-99	6/01		↓
S-9131	608 Matrix Spike	S-9130	↓	300ul	100 ml	0.6ug/ml	Acetone BT943 5% hexane	↓	9-23-99		↓
S-9132	608 QLCS MDL Spike	S-9131	0.6ug/ml	1.0ml	50.0ml	0.012ug/ml	↓	↓	↓		JH
✓ S-9133	Exp GC High Point	S-9121	50ug/ml	160ul	10ml	0.8ug/ml	Hexane BT250	3-23-99	9-23-99		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9101	OP PEST Std										
	Malathion	S-8762	100 ug/ml	6.25 ml	25 ml	25 ug/ml	Hex/BT250	3/12/99	3/31/99		JA
	OP Pest Mix	S-8763	200 ug/ml	3.125 ml	↓	↓	↓	↓	↓		↓
	Triphenylphosphate	S-8764	1000 ug/ml	625 ul	↓	↓	↓	↓	↓		↓
	Tributylphosphate	S-8765	↓	↓	↓	↓	↓	↓	↓		↓
S-9102	1-methyl naphthalene	Chemserve 172-97B	98%	.02 g	10 mL	2000 ug/mL	MeCl2/BT442	3/13/99	9/13/99		JAA
S-9103	2-Bromonaphthalene	Ultra J-2311	20,000 ug/mL	2.1 mL	1 mL	20,000 ug/mL	methanol	↓	↓		↓
S-9104	Polyaromatic Hydrocarbon	Restek A010811	1000 ug/mL	2.5 mL	2.5 mL	1000 ug/mL	MeCl2	↓	↓		↓
S-9105	S-9104 PAH HH	S-9104	1000 ug/mL	2.5 mL	25 mL	100 ug/mL	MeCl2/BT442	↓	↓		↓
	S-9103	S-9103	20,000 ug/mL	.125 mL	↓	↓	↓	↓	↓		↓
	S-9102	S-9102	2000 ug/mL	1.25 mL	↓	↓	↓	↓	↓		↓
S-9106	Aromatic Hydrocarbon	Ultra L-1579	1000 ug/mL	1 mL ~~.5 mL~~	1 mL ~~25 mL~~	1000 ug/mL ~~20 ug/mL~~	MeCl2	↓	↓		↓
S-9107	2-bromonaphthalene	Chemserve 212-74C	2000 ug/mL	5 mL	5 mL	2000 ug/mL	methanol	↓	01/00		↓
S-9108	PAH ICV	S-9106	1000 ug/mL	.5 mL	25 mL	20 ug/mL	MeCl2/BT442	↓	9/13/99		↓
	2-bromonaphthalene	S-9107	2000 ug/mL	.25 mL	↓	↓	↓	↓	↓		↓
	1-MN	S-9102	↓	↓	↓	↓	↓	↓	↓		↓
S-9109	PEST-MIX B	LA60651 SUPELCO	0.5-1 ug/ml	—	—	—	—	—	Dec 98	03/17/99	TJ
S-9110	MIX B-1	S-9109	↓	0.1 ml	10 ml	0.005-0.08 ug/ml	BT250 HEXANE	3/16/99	6/16/99	↓	↓
S-9111	MIX B-2	↓	↓	0.4 ml	↓	0.02-0.04 ug/ml	↓	↓	↓	↓	↓
S-9112	MIX B-5	↓	↓	1.6 ml	↓	0.08-0.16 ug/ml	↓	↓	↓	↓	↓
S-9113	Diesel MM	S-8964	2000 ug/mL	6.25 mL	25 mL	500/100 ug/mL	MeCl2/BT442	031699	070999		JAA
S-9114	Ar RTM	S-8636	10,000 ug/mL	1.25 mL	↓	500 ug/mL	↓	↓	9/13/99		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9085	EDB/DBCP Conc 1	S-9068	0.4 ug/ml	3 ul	35 ml	34.3 ng/ul	NA	3/11/99	3/12/99		GC
S-9086	2			5		57.1					
S-9087	3			10		114.0					
S-9088	4			15		171.0					
S-9089	5			25		286.0					
S-9090	Aroclor 1221	Restek A008324	1000ug/ml	—	—	—	HEXANE-BT250	Opened 03/12/99	2/2000		TJ
S-9091	Aroclor 1221	S-9090		20 ul	100 ml	0.2ug/ml		03/12/99	03/12/99		
	Tcx/dcb	S-9040	10ug/ml	200 ul	100 ml	0.02ug/ml					
S-9092	Toxaphene	Restek A008212	1000ug/ml	—	—	—	—	—	12/99		
S-9093	Toxaphene	S-9092		50 ul	100 ml	0.5ug/ml	HEXANE-BT250	03/12/99	09/12/99		
	Tcx/dcb	S-9040	10ug/ml	200 ul		0.02ug/ml					
S-9094	Aroclor 5432	Chem Service 212-143A	100 µg/ml	—	—	—	methanol	—	8/2000		WE
S-9095	Aroclor 5460	Chem Service 222-62A	100 µg/ml	—	—	—	methanol	—	7/2000		WE
S-9096	Aroclor 5432	S-9094	100 µg/ml	500 µL	100 mLs	0.5 µg/mL	Hexane BT250	3/12/99	8/22/99		WE
	TCX/DCB	S-9040	10 µg/mL	200 µL		0.02 µg/mL					
S-9097	Aroclor 5460	S-9095	100 µg/mL	500 µL		0.5 µg/mL					
	TCX/DCB	S-9040	10 µg/mL	200 µL		0.02 µg/mL					
S-9098	AFCEE Pest M.S	S-8915	25/50/125 ng/ml	2.0 ml	200.0 ml	.25/.5/1.25 ng/ml	MobIl BT250	3-12-99	9-12-99		JI
S-9099	8140 MS	S-8858	1000 ug/ml	0.25 ml	25 ml	10 ug/ml					
S-9100	8140 QMS (MDL)	S-9099	10 ug/ml	1.95 ml	25 ml	0.78 ug/ml					
						GC 3/12/99					

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9068	EDB/DBCP	S-8715	200 ug/ml	20 ul	10 ml	0.4 ug/ml	~~AH~~ Hex./BT250	3/2/99	9/2/99		JCL
S-9069	EDB/DBCP Con 1	S-9068	0.4 ug/ml	3 ul	35 ml	34.3 ng/ul	AH				
S-9070	2			5 ul		57.1	JCL 3/2/99				
S-9071	3			10 ul		114.0					
S-9072	4			15 ul		171.0					
S-9073	5			25 ul		286.0					
S-9074	PCB Cong. Mix ICV	S-8700	0.08 mg/ml	1.0 ml	10 ml	0.008 mg/ml	Hex / BT250	3/3/99	9/3/99		GDM
S-9075	PEM Stock	Restek Lot# A011489	1-25 mg/ml	—	—	—	—	Opened 3-8-99	6/01		GDM
S-9076	PEM Working	S-9075		1.0 ml	100 ml	0.01-0.25 mg/ml	Hex / BT250	3-8-99	9-8-99		GDM
S-9077	Pest Mix B	Supelco Lot LA-78090	5-10 ug/ml	—	—	—	—	3/9/99	9/9/99		JCL
S-9078	B Mix Con 2	S-9077		0.4 ml	100 ml	0.02-0.04 ug/ml ~~0.005-0.01 ug/ml~~	Hex / BT250				
S-9079	3			0.8		0.04-0.08 ug/ml					
S-9080	5			1.6		0.08-0.16 ug/ml					
S-9081	4			0.6 ml	50 ml	0.06-0.12 ug/ml					
S-9082	8140 Matrix Spike	S-8727	200 ug/ml	~~1.0 ml~~ 1.25 ml	~~2.5 ml~~ 5 ml	10.0 ug/ml	MeOH BT222	3-10-99	9-10-99		JH
S-9083	Tributyl phosphate stock	208-13A	2000 ug/ml	—	—	—	Acetone	opened 3-10-99	11-99		JH
S-9084	8140 Surrogate	S-9083	2000 ug/ml	~~4.0 ml~~ 1.0 ml	100.0 ml	20 ug/ml	MeOH BT222	3-10-99	9-10-99		
		S-8728	500 ug/ml	4.0 ml							
~~S-9085~~	~~EDB/DBCP Con 1~~	~~S-9068~~	~~3 ul~~	~~35 ml~~	~~34.3 ng/ul~~						
~~S-9086~~	~~2~~		~~5 ul~~		~~57.1~~		JCL 3/11/99				
~~S-9087~~	~~3~~		~~10 ul~~		~~114.0~~						
~~S-9088~~	~~4~~		~~15 ul~~		~~171.0~~						

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init
S-9052	Pest A3 ICV	S-9050	8-80µg/ml	500µl	100ml	0.04-0.4µg/ml	Hex / BT250	2-23-99	8-23-99		GDA
S-9053	Pest B3 ICV	S-9051	8-16µg/ml	500µl	100ml	0.04-0.08µg/ml	↓	↓	↓		↓
S-9054	AR1016 ICV Stock	Supelco LA-73785	1000µg/ml	–	–	–	–	opened 2-23-99	2/2001		
S-9055	AR1260 ICV Stock	Supelco LA-73624	↓	–	–	–	–	↓	↓		↓
S-9056	AR1660 ICV	S-9054		40µl	100ml	0.4µg/ml	Hex / BT250	2-23-99	8-23-99		
	↓	S-9055	↓	40µl	↓	↓	↓	↓	↓		↓
↓	TCX/DCB	S-9040	10µg/ml	200µl	↓	0.02µg/ml	↓	↓	↓		↓
S-9057	PAH/GC 610/8100 Surr	S-8559	2000ug/ml	1.0ml	100.0ml	20ug/ml	acetone BT455	2-24-99	8-24-99		JH
S-9058	PA N/NJ Pesticide MS, Surr #with add. comp & Surr	S-9020	25/5.0/12.5	~~2.0~~ 25ml	~~20~~ 25.0ml	125/1.5/1.25 ug/ml	Acetone BT455	2-24-99	8-24-99		↓
S-9059	PA N/NJ Pest MDL MS +w/add comp & Surr add'l MS	S-9058	125/1.5/1.25 ug/ml	1.0ml	25ml	0.01/.02/.05 ug/ml	↓	↓	↓		↓
S-9060	Herb Surr. Stock 2,4-Dichlorophenylacetic acid	ChemServe Lot: 220-97A	2000ug/ml	—	—	—	acetone	opened 2-26-99	2/2001		JH
S-9061	Picloram Stock	ChemServ lot: 220-123B	1000 ug/ml	—	—	—	Acetonitrile	↓	↓		↓
S-9062	PCP Stock	ChemServ lot: 214-58	~~1000~~ 100 ug/ml	—	—	—	methanol	↓	↓		↓
S-9063	Herb Mix	Ultra M-1473	10-10,000ug/ml	—	—	—	methanol	↓	↓		↓
S-9064	Herb M.S.	S-9061	1000ug/ml	400ul	25ml	16ug/ml	MeOH BT116	2-26-99	8-26-99		↓
↓		S-9062	100ug/ml	400ul	↓	1.6ug/ml	↓	↓	↓		↓
↓		S-9063	10-10,000ug/ml	4.0ml	↓	1.6-1600ug/ml	↓	↓	↓		↓
S-9065	Herb Surrogate	S-9060	2000ug/ml	2.0ml	200ml	20ug/ml	acetone BT455	↓	↓		↓
S-9066	PCB Cal Solution Conc	Exchange EPC00737	100ug/ml	1.0ml	—	—	acetone	—	10/99		GE
S-9067	PCB conc curve	S-9066	100ug/ml	320ul	10ml	3.2ug/ml	Hex / BT250	3/1/99	9/1/99		↓
	BZ supplements	S-8804 → S-8809	100ug/ml each	320ul	↓	↓	↓	↓	↓		↓
	TCX	S-7789	200ug/ml	160ul	↓	↓	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-9037	Diesel MS	S-8780	50,000 ug/ml	5mL	100mL	~~7000~~ 7500 ug/ml	80/20 ~~Acet~~ Acetone/Meol BT455 / BT442	2/18/99	3/10/99		JAA
S-9038	Pesticide Surrogate	Supelco 4-1460 LA-74646	200 ug/ml	0.6ml	200 ml	0.6 ug/ml	Acetone BT455	2/11/99	8/19/99		JH
S-9039	Surrogate Tcx/dcb	RESTEK Lot# A011834	200 ug/ml	~~1.25ml~~	~~25ml~~ TS 2/22/99	~~10ug/ml~~	Acetone	2/22/99	08/01 ~~10/22/99~~		TS
S-9040	TCX/DCB	S-9039	↓	1.25ml	25 ml	10ug/ml	BS985 Hexane	2/22/99	8/22/99		TS
~~S-9041~~	~~Aroclor 1221~~	~~Supelco LA-59127~~	~~1000 ug/ml~~	~~–~~	TS 2/22/99	~~–~~	~~Isoactane~~	~~–~~	~~–~~	~~–~~	~~–~~
S-9041	Aroclor 1221	S-8144	1000 ug/ml	10 ul	100 ml	0.1 ug/ml	HEXA-BS985	2/22/99	8/22/99		TS
↓	tcx/dcb	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		TS
S-9042	Aroclor-1232 stock	Restek A007730	1000 ug/ml	–	–	–	HEXANE	–	10/99		TS
S-9043	Aroclor 1232	S-9042	↓	10 ul	100 ml	0.1 ug/ml	HEXANE-BS985	2/22/99	10/99		
↓	tcx/dcb	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		
S-9044	Aroclor 1242	S-8829	1000 ug/ml	10 ul	100 ml	0.1 ug/ml		2/22/99	10/22/99		
	Tcx/dcb	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	HE[illegible]	↓	↓		
S-9045	Aroclor 1248	Restek A008913	1000 ug/ml	–	–	–	HEXANE	–	5/2000		
S-9046	Aroclor-1248	S-9045	↓	10 ul	100 ml	0.1 ug/ml	HEXANE-BT250	2/22/99	10/22/99		
	tcx/dcb	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		
S-9047	Toxaphene Mix	Restek A009196	1000 ug/ml	–	–	–	hexane	–	6/2000		
S-9048	Toxaphene	S-9047	↓	40 ul	100 ml	0.4 ug/ml	HEXANE-BT250	2/22/99	10/22/99		
↓	Tcx/dcb	S-9040	10 ug/ml	200 ul	↓	0.02 ug/ml	↓	↓	↓		↓
S-9049	PIBIK (Tcx/dcb)	S-940	10 ug/ml	200 ul	100 ml	0.02 ug/ml	HEXANE-BT250	2/22/99	10/22/99		TS
~~S-9050~~	~~tcx/dcb (working)~~	~~S-8949~~	~~200 ug/ml~~	~~1ml~~	~~20ml~~	~~10 ug/ml~~	~~Hex BT250~~	~~[illegible]~~	2/22/99		
S-9050	Pest A3 ICV Stock	Restek A010760	8.80 ug/ml	–	–	–	–	Opened 2-23-99	3/2001		GDH
S-9051	Pest B3 ICV Stock	Restek A009689	8.16 ug/ml	–	–	–	–	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S9021	PA/NY/NJ pesticide spike	S9020	25/5.0/12.5 mg/mL	1.0 mL	100 mL	0.025/.005/.0125 mg/mL	acetone BT455	2/10/99	8/3/99		DRH
S9022	PA/NY/NJ Pesticide Q spike	S9021	0.025/.005/.0125 mg/mL	4.0 mL	100 mL	0.001/.002/.0005 mg/mL	acetone BT455	2/10/99	8/3/99		DRH
S9023	PA/NY/NJ Congener spike	S8812	0.08 mg/mL	10 mL	50 mL	0.016 mg/mL	acetone BT455	2/10/99	4/6/99		DRH
S9024	PA/NY/NJ Congener Q spike	S8812	0.08 mg/mL	1.0 mL	80 mL	0.001 mg/mL	acetone BT455	2/10/99	4/6/99		DRH
S-9025	PA/NY/NJ Congener RB surrogate	S-8629	0.08 mg/ml	10.0 ml	100.0 ml	0.008 mg/ml	acetone BT455	2-11-99	8-11-99		JH
S-9026	PA/NY/NJ Pesticide surrogate	S-9007	0.6 mg/ml	10.0 ml	100.0 ml	0.06 mg/ml	acetone BT455	2-11-99	8-11-99		JH
S9027	Congener Q MS spike	S8812	0.08 mg/mL	12.5 mL	100.0 mL	0.01 mg/mL	acetone BT455	2/15/99	4/6/99		DRH
S-9028	AFCEE Pest M.S. MDL	S-9003	.125/.5/1.25 mg/ml	2.0 mL	50 mL	.011/.022/.05 mg/ml	MeOH BT116	2/16/99	8/16/99		JH
S-9029	Methyl Herb Mix	ChemServ Lot: 211-101A	10-10,000 µg/mL	5.0 ml	—	—	—	2/16/99	7/31/99		JH
S-9030	Picloram m.c.	ChemServ Lot: 220-42A	100 µg/mL	5 ml	—	—	—		6/31/1000		
S-9031	Pentachloroanisole	ChemServ Lot: 222-54A	100 µg/mL	5 ml	—	—	—		7/31/2000		
S-9032	DCAA m.c.	ChemServ Lot: 211-103A	2000 µg/mL	5 ml	—	—	—		2/28/2000		
S-9033	Methylated Herbicide Std.								7/31/99		
	Herb Mix m.c.	S-9029	10-10,000 µg/mL	1 ml	10 ml	1-1000 µg/mL					
	Picloram	S-9030	100	1 ml		10					
	PCP	S-9031	100	100 µl		1					
	DCAA	S-9032	2000	50 µl		10					
S-9034	Chlordane	Restek A00-8942	1000 µg/mL	—	—	—		2/17/99	3/31/99		
S-9035	Chlordane	S-9034		10 µl	100 ml	0.10 µg/mL					
	tox/dcb	S-8623	10 µg/mL	50 µl		0.005 µg/mL					
S-9036	Chlordane	S-9034	1000	40 µl		0.4 µg/mL					
	tox/dcb	S-8623	10	200 µl		0.02 µg/mL					

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S9010	2,4' DDD 32018 Restek	A010764	1000µg/mL	—	—	—	methanol	opened 2/10/99	8/10/99		DRH
S9011	2,4' DDT 32200 Restek	A012353	↓	—	—	—	↓	↓	↓		DRH
S9012	PA/NY/NJ additional pesticides stock	S9008	1000µg/mL	50µL	10.0 mL	5µg/mL	Hexane BQ537	2/10/99	8/10/99		DRH
↓	↓	S9009	↓	100µL	↓	10µg/mL	↓	↓	↓		↓
↓	↓	S9010	↓	100µL	↓	↓	↓	↓	↓		↓
↓	↓	S9011	↓	100µL	↓	↓	↓	↓	↓		↓
S9013	INDD Conc 1	S9012	5/10µg/mL	5µL	10 mL	0.0025/0.005 ~~0.005/0.01~~ µg/mL	Hexane B&J BS985	2/10/99	4/12/99		WEM
↓	Surr	S-8623	10µg/mL	20µL	↓	0.02µg/mL	↓	↓	↓		↓
S9014	INDD Conc 2	S9012	5/10µg/mL	40µL	10 mL	0.02/0.04 µg/mL	↓	↓	↓		↓
↓	Surr	S-8623	10µg/mL	20µL	↓	0.02µg/mL	↓	↓	↓		↓
S9015	INDD Con 3	S-9012	5/10µg/mL	200µL	25mL	0.04/0.03µg/mL	↓	↓	↓		↓
↓	Surr	S-8623	10µg/mL	50µL	↓	0.02µg/mL	↓	↓	↓		↓
S9016	INDD Conc 4	S-9012	5/10µg/mL	120µL	10 mL	0.06/0.12µg/mL	↓	↓	↓		↓
↓	Surr	S-8623	10µg/mL	20µgL	↓	0.02µg/mL	↓	↓	↓		↓
S9017	INDD Conc 5	S-9012	5/10µg/mL	160µL	↓	0.08/0.16 µg/mL	↓	↓	↓		↓
↓	Surr	S-8623	10µg/mL	20µgL	↓	0.02µg/mL	↓	↓	↓		↓
S9018	Endosulfan sulfate Restek 32223	A005824	1000µg/mL	—	—	—	methanol	opened 2/10/99	8/10/99		DRH
S9019	Endo I stock Restek 32221	A005820	↓	—	—	—	↓	↓	↓		↓
S9020	PA/NY/NJ pesticide spike stock	S9012	5/10µg/mL	2.5 mL	5.0 mL	2.5/5.0 µg/mL	acetone/hexane BP874 / BS985	2/10/99	8/3/99		DRH
↓	↓	S9018	1000µg/mL	12.5µL	↓	2.5µg/mL	↓	↓	↓		↓
↓	↓	S9019	1000µg/mL	25.0µL	↓	5.0µg/mL	↓	↓	↓		↓
↓	↓	S8915	25/50/125 µg/mL	500µL	↓	2.5/5.0/12.5 µg/mL	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8990	Pem Conc	Restek A011489	1-25 ug/ml	—	—	—	—	1/15/99	7/15/99		JCG
S-8991	Pem Working	S-8990	~~0.01~~ 0.01-0.25 ug/ml	1 ml	100 ml	0.01-0.25 ug/ml		d	d		d
S-8992	EDB/DBCP Con 1	S-8716	0.4 ug/ml	3 ul	Final Conc. ng/ul 34.3	Final Vol. 35 ml	DI H_2O	1/18/99	1/19/99		JCG
S-8993	2			5	57.1						
S-8994	3			10	114.0						
S-8995	4			15	171.0						
S-8996	5			25	286.0						
S-8997	2,4,5-TCP	Restek 32017 Lot# A009756	1000 ug/ml	1.0 ml	1.0 ml	1000 ug/ml	—	—	9/2000		GG
S-8998	"	S-8997	1000 ug/ml	10 ml	1.0 ml	10 ug/ml	Hex BQ537	1/20/99	7/20/99		
S-8999	" Flor. Check Sol.	S-8998	10 ug/ml	10 ml	1.0 ml	0.1 ug/ml	Hex	1/20/99	7/20/99		
S8000	Pest Surr. Stock CLPD.590	Lot # 1003080400S Protocol	200 ug/ml	—	—	—	Hex / Acetone	1/25/99	7/25/99		JH
S-9001	Pest Surrogate	S-9000	200 ug/ml	0.6 ml	200 ml	0.6 ug/ml	Acetone BP874				
S-9002	PCB M.S.	S-8958	1000 ug/ml	1.0 ml	200 ml	5.0 ug/ml	~~Hexane~~ Acetone BP874 9/1/1/65/82				
		S-8959									
S-9003	AFCEE Pest M.S.	S-8915	25/50/125 ug/ml	2.0 ml	200 ml	25/50/125 ug/ml	MeOH (BT116)	2-3-99	8-3-99		JH
S-9004	#2 Fuel Oil	Supelco LA-109051	20 mg/ml	1 mL	1 mL	20 mg/mL	methanol	2-9-99	3/00		JAA
S-9005	#2 Fuel Oil HH	S-9004			10 mL	2000 ug/ml	$MeCl_2$ / BT442		8-9-99		
	C28	S-8962	2000 ug/ml	2 mL		400 ug/ml					
S9006	PCB QLCS	S9002	5.0 µg/mL	10.0 mL	100.0 mL	0.5 µg/mL	acetone BP874	2/9/99	7/25/99		DRH
S9007	Pest. Surrogate	S9000	200 µg/mL	0.6 mL	200 mL	0.6 µg/mL	acetone BP874	2/9/99	7/25/99		DRH
S9008	Transnonachlor 32037 Restek	A011543	1000 µg/mL	—	—	—	methanol	opened 2/10/99	8/10/99		DRH
S9009	2,4' DDE 32039 Restek	A010765		—	—	—					DRH

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final wt/vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8983	Aroclor 1016/1260 Conc4	S-8979	1000 µg/mL	100 µL	100 mL ~~1.0 µg/mL~~	1.0 µg/mL	Hexane A&J BQ537	1/13/99	4/12/99	Reverif. 4/14/99 Exp. 7/12/99	WEM
↓	Pest Surr	S-8623	10 µg/mL	500 µL	100 mL	0.05 µg/mL	↓	↓	↓	↓	↓
S-8984	Aroclor 1016/1260 Conc5	S-8979	1000 µg/mL	200 µL	100 mL ~~2.0 µg/mL~~	2.0 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	1000 µL	100 mL	0.1 µg/mL	↓	↓	↓	↓	↓
S-8785	PEM Stock	Protocol Lot B9P0112006	1.25 µg/ml	-	-	-	-	Opened 1-13-99	7-13-99		GDH
S-8986	PEM Working	S-8985	1.25 µg/ml	1.0 ml	100 ml	0.01-0.25 µg/ml	Hex BQ537	1-13-99	7-13-99		↓
S-8987	Herb Mix Methyl Esters	Protocol Lot# W9806111006						1/15/99	7/15/99		JCL
	2,4-D		100 ug/ml					↓	↓		↓
	2,4,5-TP		10					↓	↓		↓
	Dalapon		250					↓	↓		↓
	Dicamba		10					↓	↓		↓
	Dinoseb		50					↓	↓		↓
	2,4-DB		100					↓	↓		↓
	2,4,5-T		10					↓	↓		↓
	Dichloroprop		100					↓	↓		↓
	MCPP & MCPA		10000					↓	↓		↓
S-8988	Herb Std							1/15/99	5/30/99 ~~2/28/99~~	DA 1/15/99	
	PCP	S-8904	100 ug/ml	100 ug/ml	10 ml	1 ug/ml		↓	↓		↓
	Picloram	S 8905	↓	1000 ml	↓	10 ug/ml		↓	↓		↓
	Herb Mix	S-8987	10-10,000 ug/ml	1 ml	↓	1 → 1000 ug/ml		↓	↓		↓
	DCAA	S-8989	1000 ug/ml	100 ul	↓	10 ug/ml		↓	↓		↓
S-8989	DCAA	Protocol Lot R1B1015020	1000 ug/ml	~~100 ul~~ 29 1/15/99				1/15/99	7/15/99		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8967	Diesel ML	S-8964	2000/400 ug/mL	1.0mL	10.0mL	200/40 ug/mL	MeCl2 BT442	010999	070999		TD
S-8968	Diesel LL	S-8964	↓	0.25 mL	10.0 mL	50/10 ug/mL	↓	↓	↓		↓
S-8969	Diesel Standard	ultra L-0691	5000 ug/mL	2.5mL	2.5mL	5000 ug/mL	MeCl2	010999	06/99		TD
S-8970	Diesel ICV	S-8969	5000 ug/mL	2.5mL	25.0mL	500 ug/mL	MeCl2 - BT442	010999	070999		TD
	C28 -	S-8961	2000 ug/mL	1.25mL	25.0mL	100 ug/mL	MeCl2 - BT442	↓	↓		TD
S-8971	Motor oil Std	Restek A010155	50000 ug/mL	1mL	1mL	50000 ug/mL	MeCl2	010999	1/01		[illegible]
S-8972	M.O. HH	S-8971	↓	↓	25mL	2000 ug/mL	MeCl2/BT442	↓	070999		↓
	C26	S-8962	2000 ug/mL	5mL	↓	400 ↓	↓	↓	↓		↓
S-8973	M.O. MH	S-8972	↓ 200/400 ug/mL	5mL	10mL	1000/200 ug/mL	MeCl2/BT442	010999	070999		[illegible]
S-8974	M.O. MM	↓	↓	6.25mL	25mL	500/100 ug/mL	↓	↓	↓		↓
S-8975	M.O. ML	↓	↓	1mL	10mL	200/40 ug/mL	↓	↓	↓		↓
S-8976	M.O. LL	↓	↓	.250mL	10mL	50/10 ug/mL	[illegible] 010917 ↓	↓	↓	[illegible] 032099	↓
S-8977	M.O. ICV	S-8298	2000/400	6.25mL	25mL	500/100 ug/mL	MeCl2/BT442	010999	082598 ~~070999~~	6/17/99	[illegible]
S-8978	Aroclor 1254 Conc1	S-8148	1000 µg/mL	10 µL	100 mLs	0.1 µg/mL	Hexane/BQ537	1/12/99	7/12/99		WEM
↓	TCX/DCB (Pest Surr)	S-8623	10 µg/mL	200 µL	↓	0.02 µg/mL	↓ BJ	↓ WEM 4/1/99	↓		↓
S-8979	Aroclor 1016/1260	Restek Lot# A011442	1000 µg/mL	—	—	—	Hexane	1/13/99	6/1/01		WEM
S-8980	Aroclor 1016/1260 Conc1	S-8979	1000 µg/mL	10 µL	100 mLs	0.1 µg/mL	Hexane BJ BQ537	1/13/99	4/12/99	Reverified 4/14/99 Exp 7/12/99	WEM
↓	Pest Surr	S-8623	10 µg/mL	50 µL	↓	0.005 µg/mL	↓	↓	↓	↓	↓
S-8981	Aroclor 1016/1260 Conc2	S-8979	1000 µg/mL	20 µL	100 mLs	0.2 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	100 µL	↓	0.01 µg/mL	↓	↓	↓	↓	↓
S-8982	Aroclor 1016/1260 Conc3	S-8979	1000 µg/mL	40 µL	↓	0.4 µg/mL	↓	↓	↓	↓	↓
↓	Pest Surr	S-8623	10 µg/mL	200 µL	↓	0.02 µg/mL	↓	↓	↓	↓	↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Ini
S-8949	TCX/DCB stock	Revtek#32000 Lot: A011984	200ug/ml	1.0 ml	1.0 ml	200ug/ml	acetone	—	8/01		GG
S-8950	Pest CLP Surr spk	S-8949	200ug/ml	0.5 ml	500 ml	0.2 ug/ml	Lot# BP874 acetone	12/25/98	6/25/99		GG
S-8951	Herb. Surrogate	S-8868	2000 ug/mL	1.0 mL	100.0 mL	20 ug/mL	acetone BP874	12/30/98	6/30/99		DRI
S-8952	Client mineral oil	—	Neat	—	—	—	—	12/30/98	6/30/99		JP
S-8953	Client min. oil STD	S-8952	Neat	1.25g	25 mL	50,000 ug/mL	Toluene BC608	12/30/98	6/30/99		↓
S-8954	Client min. oil HH	S-8953	50,000 ug/mL	1 mL	25 mL	2000 ug/mL	$MeCl_2$/BT442	↓	↓		↓
S-8955	CLP MS Stock CLP-MS91	Protocol Lot W98052604	50ug/ml, 100ug/ml	—	—	—	MeOH (BF116)	1/5/99	7/5/99		JP
S-8956	Pest Surr. Stock	Protocol Lot W98080405	200 ug/ml	—	—	—	Hexane/Acetone	1/5/99	7/5/99		↓
S-8957	GPC Pest ✓ Sol	S-8955	50ug/ml, 100ug/ml	1.0 ml	500 ml	0.1, 0.2 ug/ml	$MeCl_2$	1/5/99	7/5/99		↓
		S-8956	200 ug/ml	250 mL	500 ml	0.1 ~~0.2~~ ug/ml	$MeCl_2$	1/5/99	7/5/99		↓
S-8958	PCB 1260H	Protocol Lot P81105809	1000 ug/ml	—	—	—	Hexane	1/5/99	7/5/99		
S-8959	PCB 1016H	Protocol Lot W98030007	1000 ug/ml	—	—	—	Hexane	1/5/99	7/5/99		
S-8960	GPC PCB ✓ Sol	S-8958	1000 ug/ml	0.1 ml	500 ml	0.2 ug/ml	$MeCl_2$	1/5/99	7/5/99		
		S-8959	1000 ug/ml	0.1 ml	500 ml	0.2 ug/ml	$MeCl_2$	1/5/99	7/5/99		
		S-8956	200 ug/ml	625 mL	500 ml	0.25 ug/ml	$MeCl_2$	1/5/99	7/5/99		↓
S-8961	C_{28} stock	Sigma 83H0685	99%	.05g	25 mL	2000 ug/mL	$MeCl_2$/BT442	1/9/99	7/9/99		JP
S-8962	C_{28} stock	Chem Serv 154-63A	99%	.05g	25 mL	2000 ug/mL	↓	↓	↓		↓
S-8963	Diesel Standard	Ultra M-0493	50,000 ug/mL	2.0 mL	2.0 mL	50,000 ug/mL	$MeCl_2$	010999	~~040799~~ 04-02	7/01/99	TD
S-8964	Diesel HH TD 010999	S-8963 ~~S-8963~~	↓	↓	50.0 mL	2000 ug/mL	$MeCl_2$/BT442	↓	070999		TD
		S-8962	2000 ug/mL	10.0 mL	↓	400 ug/mL	↓	↓	↓		↓
S-8965	Diesel MH	S-8964	400/2000 ug/mL	5.0 mL	10.0 mL	1000/200 ug/mL	↓	↓	↓		↓
S-8966	Diesel MM	S-8964	400/2000 ug/mL	6.25 mL	25.0 mL	500/100 ug/mL	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8847	Cmix Con 4 DCPA	S-8839	100 ug/ml	120 ul	100 ml	120 ug/ml	Hex. BR030	10/16/98	2/6/99		[illegible]
	Stock Mirex	S-8840									
	Chlorbenside	S-8843									
	tox/dcb	S-8672	10 ug/ml	60 ul		60 ug/ml					
S-8848	Cmix Con 5 DCPA	S-8839	100 ug/ml	160 ul		160 ug/ml					
	Stock Mirex	S-8840									
	Chlorbenside	S-8843									
	tox/dcb	S-8672	10 ug/ml	80 ul		80 ug/ml					
~~S-8849~~	~~Cmix Con 1~~	~~S-8844~~	~~5-10 ug/ml~~	~~100 ul~~		~~0.005-0.01 ug/ml~~					
~~S-8850~~	~~2~~	~~S-8845~~	~~20-40~~			~~0.02-0.04 ug/ml~~					
~~S-8851~~	~~3~~	~~S-8846~~	~~40-80~~			~~0.04-0.08~~					
~~S-8852~~	~~4~~	~~S-8847~~	~~60-120~~			~~0.06-0.12~~					
~~S-8853~~	~~5~~	~~S-8848~~	~~80-160~~			~~0.08-0.16~~					
S8854	Pest. surr. stock	Supelco LA74646	200 ug/mL	1.0 mL	–	–	acetone	[illegible]	4/19/99		PRH
S8855	Pesticide surrogate	8854	200 ug/mL	750 µL	250.0 mL	0.6 ug/mL	acetone BP874	[illegible] 4/19/98	4/19/99		PRH
S-8856	Aroclor 1221 (0.1 ug/ml)	~~Restek~~ S-8144	1000 ug/ml	10 ul	100 ml	0.1 ug/ml	Hex. BR030	10/20/98	2/6/99		[illegible]
	tox/dcb	S-8672	10 ug/ml	200 ul		0.02 ug/ml					
S-8857	Aroclor 1221 (0.2 ug/ml)	S-8144	1000 ug/ml	20 ul		0.2 ug/ml					
		S-8672	10 ug/ml	200 ul		0.02 ug/ml					
S-8858	OP Pest Mix	Chemserve 211-22B	1000 ug/mL	5 mL	5 mL	1000 ug/mL	Hexane	10/22/98	12/99		[illegible]
S-8859	Triphenylphosphate	Restek A011019		1 mL	1 mL		Acetone		7/99		
S-8860	Tributylphosphate	Restek A010802		1 mL	1 mL		Acetone		3/99		

10/16/98

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8915	NSI Q-2130 QC Pest. stock	Q-2130	mg/mL 25/50/125	–	–	–	methanol	opened 12/1/98	11/98	3/3/99	DRH
S-8916	AFCEE Pest. MS	S-8915	mg/mL 25/50/125	1.0 mL	100.0 mL	.25/.50/1.25 mg/mL	acetone BP874	12/1/98	6/1/99		DRH
S-8917	Surrogate TCX/DCB	8672	10ug/ml	–	5mL	0.16mg/mL	HEXANE BR072	12/6/98	2/6/99		TS
S-8918	PEM stock	Restek LOT A010112	1-25ug/ml	–	–	–	HEX BR072	12/6/98	4/6/99		TS
S-8919	PEM working	S-8918	↓	1ml	100ml	0.01-0.25ug/ml	↓	↓	↓		↓
S-8920	RESC stock	Restek LOT A0001452	1-10 ug/ml	–	–	–	↓	↓	↓		↓
S-8921	Resc working	S-8920	↓	1ml	100ml	0.01-.1ml/ml	↓	↓	↓		↓
S-8922	Pesticide surrogate	S-8901	2000 mg/mL	750µL	250 mL	0.6 µg/mL	acetone BP874	12/7/98	5/27/99		DRH
S-8923	OTP surrogate	S-8496	100µg/mL	5.0mL	25.0mL	20µg/mL	acetone BP874	12/8/98	11/27/98	6/8/99	DRH
S-8924	C28 Surrogate	Sigma 23H0655	99%	250mg	500mL	500 ug/mL	80:20 ~~Ac~~ Ac Cimech	12/15/98	6/15/99		JAA
S-8925	AFCEE Pest. MS	S-8915	mg/mL 25/50/125	1.0mL	100.0mL	.25/.50/1.25 mg/mL	acetone BP874	12/15/98	6/1/99		DRH
S-8926	PAH/GC 610 surr.	S-8559	2000 mg/mL	1.0mL	100.0 mL	20 µg/mL	acetone BP874	12/16/98	10/1/98	3/16/98	DRH
S-8927	Pest MixA	SUPELCO LA-78091	5-50ug/ml	2 ml	–	–	HEX/Toluene	–	–		TS
S-8928	MixA6	S-8927	↓	0.04ml	100ml	0.002-.02 ug/ml	BA537 HEXANE	12/17/98	7/17/99		TS
S-8929	MixA1	↓	↓	0.1ml	↓	0.005-.5ug/ml	↓	↓	↓		↓
S-8930	MixA4	↓	↓	1.2ml	↓	.06-.6ug/ml	↓	↓	↓		↓
S-8931	Pest MixB	SUPELCO LA75166	5-10ug/ml	2 ml	–	–	HEX/Toluene	–	–		↓
S-8932	MixB6	LA78090 S-8931	0.05ug/ml	0.05ml	100ml	0.0025-.005ug/ml	BA537 HEX	12/17/98	7/17/99		↓
S-8933	MixB1	S-8931	↓	0.1ml	↓	0.005-0.05ug/ml	↓	↓	↓		↓
S-8934	MixB4	↓	↓	1.2ml	↓	0.06-.12ug/ml	↓	↓	↓		↓
S-8935	MixA5	S-8927	5-50ug/ml	1.6ml	100ml	0.08-0.8ug/ml	BA537 HEXANE	↓	↓		↓
S-8936	MixA2	S-8927	↓	0.4ml	↓	0.02-.2ug/ml	↓	↓	↓		↓

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8818	p-chlorophenylmethyl-sulfide	Neat 986	→ —		—	—	—	10-6-98			PMD
S-8819	p-chlorophenyl methyl-sulfoxide	S-8814	Neat	.05 g	10 mls	5000 ug/ml	Toluene/BR608	10-6-98	4/6/99		PMD
S-8820	p-chlorophenylmethyl-sulfone	S-8815	Neat	.05 g	10 mls	5000 ug/ml	Toluene/BR608				
S-8821	1,4-Dianthiane	S-8816	Neat	.05 mls	10 mls	5000 ug/ml	Toluene/BR608				
S-8822	1,4-oxathiane	S-8817	Neat	.05 mls	10 mls	5000 ug/ml	Toluene/BR608	10-6-98	4-6-99		PMD
S-8823	p-chlorophenylmethyl-sulfide	S-8818	Neat	.05 g	10 mls	5000 ug/ml	Toluene/BR608	10-6-98	4-6-99		PMD
S-8824	Stockton Diesel MS	S-8780	50,000 ug/ml	1 mL	100 mL	500 ug/ml	80:20 BR874: ACE:MeCl2 BR759	10-7-98	3-10-99		JAA
S-8825	C28 Surrogate	Sigma Lot # 83H0085	99%	250 mg	500 mL	80:20 ACE:MeCl2 ↔	500 ug/mL	10-7-98	4-7-99		JAA
S-8826	AFCEE Pest MS	S-8467	25/50/125 ug/ml	2.0 ml	200 ml	.25/.5/1.25 ug/ml	MeOH/BS081	10/7/98	1/7/98		GG
S-8827	PCB Cong. ICV	S-8812	0.08 µg/ml	1.0 ml	10 ml	0.008 µg/ml	Hex / BR030	10/13/98	4/13/99		GDM
JAA 10/13/98 ~~S-8828~~	~~C10-C28 MS~~	~~S-8610~~	~~10000~~						1/9/99		JAA
S-8828	OTP SURR	S-8610	10,000 ug/ml	200 uL	100 mL	20 ug/mL	MeOH/BS633	10/13/98	1/9/99		JAA
S-8829	Aroclor 1242	Restek A011441	1000 ug/ml	—	—	—	Hexane	10/13/98	6/2001		JCC
S-8830	Aroclor 1242	S-8829	↓	10 ul	100 ml	0.1 ug/ml	Hex. BR030		2-6-99		
	tox/dch	S-8672	10 ug/ml	200 ul	↓	0.02 ug/ml	↓ ↓		↓		
S-8831	Pest STD B Mix	Supelco LA78090	5-10 ug/ml	—	—	—	Hex: Toluene		4/13/99		
S-8832	Pest B ICV	S-8831	↓	0.8 ml	100 ml	0.04-0.08 ug/ml	Hex. BR030	↓	↓		↓
S-8833	Herb MS										
	PCP ~~PCA~~ Stock	S-~~8649~~ 8323	100 µg/ml	400 µl	25 ml	1.6 µg/ml	MeOH	10/14/98	4/14/99		GDM
	Picloram Stock	S-8834	1000 µg/ml	400 µl	↓	16 µg/ml	↓	↓	↓		↓
↓	Herb Mix	S-~~8754~~ 8835	10-10,000 µg/ml	4.0 ml	↓	1.6-1600 µg/ml	↓	↓	↓		↓
S-8834	Picloram Stock	Restek Lot # A009489	1000 µg/ml	—	—	—	MeOH	10/14/98	2/99		GDM

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8811	PCB Dev Stock	—	1.6ug/ml	—	—	1.6ug/ml	hexane	10/1/98	4/1/99		PBN
	PCB Congener Calibrk Sol'n	S-8795	100ug/ml	160 ul	10 ml						
	233446 HCBP Sol'n	S-8796	100 ug/ml	160 ul							
	22345 PCBP Sol'n	S-8797	35 ug/ml	460 ul							
	2245 TCBP Sol'n	S-8798	35 ug/ml	460 ul							
	223446 HCBP Sol'n	S-8799	35 ug/ml	460 ul							
	231445 HCBP Sol'n	S-8800									
	2234456 HCBP Sol'n	S-8801									
	TCX Sim Sol'n	S-7789	200ug	80 ml							
S-8812	Congener's Matrix Spike	—	—	—	—	.08 ug/ml	MEOH	11/6/98	4/6/99		SBN
		S-8797	35 ug/ml	220 ul	100 ml	.08 ug/ml	MEOH	11/6/98	4/6/99		SBN
		S-8800									
		S-8801									
		S-8798									
		S-8799									
		S-8795	100 ug/ml	80 ml							
	233455 HCBP	BE 169	35 ug/ml	220 ul							
S-8813	Cup Acid Surr	Supelco 47460 LA-74646 SRM Lot 1	200ug/ml	0.5ml	500ml	0.2ug/ml	MeOH UN1230	10/6/98	4/6/99		CMD
S-8814	p-chlorophenylmethylsulfide	Neat 99%	→ —	—	—	—	—	10-6-98			PAB
S-8815	p-Chlorophenylmethylsulfone	Neat 99.9%	→ —	—	—	—	—	10-6-98			PAB
S-8816	1,4-Dithiane	Neat 99.9	→ —	—	—	—	—	10-6-98			PMD
S-8817	1,4-oxathiane	Neat 99.1	→ —	—	—	—	—	10-6-98			PMD

Reviewed by:_____ Date:_____

EA Laboratories

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S 8798	2245 TCBP MIX	EM Sci L# A8[illegible]	35 ug/ml	—	—	35 ug/ml	isooctane	9.15.98	3/25/99	-	DRH
S 8799	2234466 HCBP MIX	EM Sci L# A8090252	35 ug/ml	—	—	35 ug/ml	isooctane	9.15.98			
S 8800	233445 HCBP MIX	EM Sci L# A7080360	35 ug/ml	—	—	35 ug/ml	isooctane	9.15.98			
S 8801	2234456 HCBP MIX	EM Science L# [illegible]	35 ug/ml	—	—	35 ug/ml	isooctane	9.15.98	3/25/99		
S 8802	Congener matrix spike				[illegible] 9.15.98 0.08 ug/ml 100 ml	0.08 ug/ml	Acetone BC274	9/15/98	3/25/99		DRH
S 8803	PCB Congener Cal Chk Sol'n	ultra scientific L# M-1522	.2 ug/ml	—	—	.2 ug/ml	Isooctane	10/1/98	4/1/99		DRH
S 8804	2,2,345 PCBP Sol'n	ultra sci. L# [illegible]	100 ug/ml	—	—	100 ug/ml	Hexane				
S 8805	2234456 HCBP Sol'n	ultra sci. L# 1224	100 ug/ml	—	—	100 ug/ml					
S 8806	2,3,3,4,4,5 HCBP Sol'n	ultra sci L# K-0283		—	—						
S-8807	22,45 TCBP Sol'n	ultra sci L# L-510A		—	—						
S-8808	3,3,4,4,5,5 HCBP Sol'n	L# M-0143		—	—						
S-8809	2,2,3,4,4,6,6 HCBP Sol'n	L# K0844		—	—						
S-8810	Congener Stick	—	—	—	—	—	—				
	PCB C. Cal chk mix	S-8803	.2 ug/ml	3.2 ml	10 ml	1.064 ug/ml	Hexane				
	22,345 PCBP Sol'n	S 8804	100 ug/ml	6.4 ml							
	2234456 HCBP Sol'n	S 8805									
	233,445 HCBP Sol'n	S-8806									
	2245 TCBP Sol'n	S 8807									
	33 4455 HCBP Sol'n	S-8808									
	2234466 HCBP Sol'n	S-8809									
	TCX Surr mix	S-7789	200 ug/ml	3.2 ml							

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8777	PEM STD	RESTEK A010112	1-25 ug/ml	1 ml	—	—	HEXANE BR030	9/14/98	11/00		TS
S-8778	PEM working	S-8777	↓	↓	100 ml	0.01-0.25 ug/ml	↓	↓	3/10/99		↓
S-8779	Diesel	Getty Neat	—	—	—	—	—	9/10/98	9/10/00		JMA
S-8780	Diesel stock	S-8779	Neat	1.25 g	25 ml	50,000 ug/ml	Toluene/BB159	9/10/98	3/10/99		↓
S-8781	Diesel MS	S-8780	50,000 ug/ml	5 ml	100 ml	2500 ug/ml	80:20 BR014: ACE:MeCl2 BS159	↓	↓		JMA
S-8782	motor oil MM	S-8605	2000 ug/ml 400 ug/ml	5 ml	20 ml	500 ug/ml 100 ug/ml	MeCl2/BS759	9/11/98	12/21/98		↓
~~S-8783~~	~~Surrogate Tex/BUB~~	Restek A010877	200 ug/ml	—	1.4 ml	—	Acetone	09/14/98	3/01		
S-8785	PIBK	S-8623	100 ug/ml	200 ul	100 ml	0.020 ug/ml 20 ug/ml	HEXANE BR030	9/14/98	3/14/99		TJ
S-8784	Fuel oil #6 Stock LA-5041	Supelco U-7288	20 mg/ml	—	—	20 mg/ml	Hexane/Mecl2	open 9-16-98	6/99		PMD
S-8785	Fuel oil Surr LL	S-8784 S-8317	20,000 ug/ml 200 ug/ml	25 ul 50 ul	10 ml	50 ug/ml 1 ug/ml	Mecl2	9-16-98	12/17/98	9/8/98 12/16/98	PMD
S-8786	ML	↓	↓	100 ul 200 ul	↓	200 ug/ml 40 ug/ml	↓	↓	↓		↓
S-8787	MM			250 ul 500 ul		500 ug/ml 100 ug/ml					
S-8788	MH			300 ul 1000 ul		1000 ug/ml 200 ug/ml					
S-8789	HH	↓	↓	1000 ul 2000 ul	↓	2000 ug/ml 400 ug/ml	↓	↓	↓		↓
S-8790	Pest Std A Mix	Supelco U-8218-78091	5-50 ug/ml	—	—	—	NA	9/17/98	3/17/99		JC
S-8791	Pest Std A Con 5	S-8790	↓	1.6 ml	100 ml	0.08-0.8 ug/ml	Hexane/BR03	↓	3/17/99		↓
S-8792	Diesel MM	S-8635	2000 ug/ml	25 ml	100 ml	500 ug/ml	MeCl2/BS759	9/19/98	1-17-99		JMA
S-8793	Pest. Surr. Mix Col. Blend Restek A010877	Restek A010877	200 ug/ml	—	1.0 ml	—	acetone	9/24/98	3/01		DR
S-8794	Pesticide Surrogate	S-8793	200 ug/ml	750 ul	250 ml	0.6 ug/ml	acetone BS874	9/24/98	3/24/99		DR
S-8795	PCB Col Chk Soln	EM Sci LM M8020025	100 ug/ml	—	—	100 ug/ml	acetone	9/25/98	3/25/99		DR
S-8796	2,3,4,4,6 HCBP MIX	EM Sci # 005-320	100 ug/ml	—	—	100 ug/ml	isooctane	9/25/98			DR
S-8797	2,2,3,4,5 PCBP MIX	EM Sci LM A9010238	35 ug/ml	—		35 ug/ml	isooctane	9/25/98	↓		DR

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ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8759	1:1 H_2SO_4	S-8706	95.9%	500ml	1 L	1:1	DDI H_2O	9/1/98	3/1/99		JH
S-8760	Stockton MDL LCS	S-8710	500µg/mL	5.0mL	50.0mL	50µg/mL	acetone BP874	9/1/98	10/1/98		DRH
S-8761	PCB MDL LCS	S-8459	5.0µg/mL	5.0mL	50.0mL	0.5µg/mL	acetone BP874	9/1/98	11/8/98		DRH
S-8762	Malathion	Chemservice Lot 209-613	100 µg/ml	10ml	—	100 µg/ml	NA	9/1/98	10/99		[illegible]
S-8763	OP Pest Mix	Restek AQ11368	200 µg/ml	5ml	—	200 µg/ml			5/99		
S-8764	Triphenylphosphate	Restek AQ11619	1000 µg/ml	5ml	—	1000 µg/ml			7/99		
S-8765	Tributylphosphate	Restek AQ10802	1000 µg/ml	5ml	—	1000 µg/ml			3/99		
S-8766	OP Rst Std								3/1/99		
	Malathion	S-8762	100 µg/ml	6.25ml	25ml	25 µg/ml	Hex./BR030				
	OP Pest Mix	S-8763	200 µg/ml	3.125ml							
	Triphenylphosphate	S-8764	1000 µg/ml	0.25 ml							
	Tributyphosphate	S-8765	d	d		d					
S-8767	Pest JH 9/2/98 ~~PAH~~ MDL LCS	S-8661	.25/.5/1.25 µg/ml	2.0 ml	50 ml	.01/.02/0.05 µg/ml	MeOH BS633	9/2/98	3/2/99		JH
S-8768	PAH/GC MDL LCS	S-8693	20µg/ml	2.5ml	50.ml	1.0µg/ml	MeOH BS633	9/2/98	3/2/99		JH
S-8769	PAH/GC 610 surr.	S-8559	2000µg/mL	1.0mL	100.0mL	20µg/mL	acetone BP874	9/3/98	10/1/98	12/3/98	DRH
S-8770	608 MS Stock	Restek H009476	200µg/mL	—	—	—	1:1 toluene/hexane	9/4/98	8/31/2000		DRH
S-8771	608 MS spike	S-8770	200µg/mL	300µL	100.0mL	0.6µg/mL	MeOH BS633	9/4/98	3/4/99		DRH
S-8772	608 MDL LCS spike	S-8771	0.6µg/mL	1.0mL	50.0mL	0.012µg/mL	MeOH BS633	9/4/98	3/4/99		DRH
S-8773	8 HERB LOW LEVEL QC SPIKE	S-8753	PCP 16 ug/ml Picloram 16 ug/ml HERB mix 16 ug/ml	5.0mL	50.0mL	PCP .16 ug/ml Picloram .16 ug/ml HERB mix .16 ug/ml	ACE/Hex/BP874/BR030	9-8-98	2-27-99 ~~3-8-98~~		AKE
S-8774	APCEE 8370 MS	Accustandard A8670617	100µg/mL	—	—	—	MeOH: $MeCl_2$ 4:1	opened 9/8/98	3/8/99		DRH
S-8775	Diesel stock	NSI Lot# W-1361	50,000 µg/mL	3mL	3mL	50,000 µg/mL	—	9/9/98	08/00		[illegible]
S-8776	Diesel MS	S-8775	50,000 µg/mL	2.5mL	50mL	2500 µg/mL	80:20 BP874: ACE:$MeCl_2$ BS759	9/9/98	3/9/99		[illegible]

040186

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8691	PAH ICV	S-8647	1000 ug/mL	200 uL	10 mL	20 ug/mL	MeCl2 / BR741	8-8-98	11-4-98		JAA
	1-methyl naphthalene	S-7969	2000 ug/mL	100 uL	↓	↓	↓	↓	↓		↓
	2-bromo naphthalene	S-8553	20000 ug/mL	10 uL	↓	↓	↓	↓	↓		↓
S-8692	PAH ~~MS~~ JAA 8/8/98 stock	Ultra Lot# L-1579	1000 ug/mL	3 mL	3 mL	1000 ug/mL	MeCl2	8-8-98	2-8-99		JAA
S-8693	PAH MS.	S-8692	↓	2 mL	100 mL	20 ug/mL	Acetone/BR874	↓	11-4-98		↓
	1-methyl naphthalene	S-7969	2000 ug/mL	1 mL	↓	↓	↓	↓	↓		↓
S-8694	motor oil stock	Restock Lot# A008830	50,000 ug/mL	2 mL	2 mL	50,000 ug/mL	MeCl2	8-8-98	2-8-99		JAA
S-8695	motor oil HH	S-8694	↓	1 mL	25 mL	2000 ug/mL	MeCl2/BR741	8-8-98	12-21-98		↓
	C26	S-8583	2000 ug/mL	5 mL	↓	400 ug/mL	↓	↓	↓		↓
S-8696	motor oil MM	S-8685	2000 ug/mL	5 mL	20 mL	JAA 8/8/98 ~~400~~ 800 ug/mL	MeCl2/BR741	8-8-98	12-21-98		↓
↓	C28	↓	400 ug/mL	↓	↓	100 ug/mL	↓	↓	↓		↓
S-8697	PCB Congener Mix	Ultra Scientific	0.2 µg/ml	-	-	-	Isooctane	8-10-98	2-10-99		GDM
S-8698	BZ # 87	Ultra Scientific	100 µg/ml	-	-	-	↓	↓	↓		↓
S-8699	BZ # 183	Ultra Scientific	↓	-	-	-	↓	↓	↓		↓
S-8700	ICV PCB Congener Stock	S-8697	0.2 µg/ml	4.0 ml	10 ml	0.08 µg/ml	Hex BR030	↓	↓		↓
↓	↓	S-8698	100	8 µl	↓	↓	↓	↓	↓		↓
↓	↓	S-8699	100	8 µl	↓	↓	↓	↓	↓		↓
↓	↓	S-8685	35	23 µl	↓	↓	↓	↓	↓		↓
↓	↓	S-8683	↓	↓	↓	↓	↓	↓	↓		↓
↓	↓	S-8687	↓	↓	↓	↓	↓	↓	↓		↓
↓	↓	S-8684	↓	↓	↓	↓	↓	↓	↓		↓
↓	↓	S-7789	200	4 µl	↓	↓	↓	↓	↓		↓

EA Laboratories — SEMI-Volatiles Lab Standards Logbook

ID Number	Description	Stock ID	Stock Conc.	Initial wt/vol	Final vol.	Final Conc.	Solv./Lot#	Prep Date	Exp. Date	Reverified Exp. Date	Init.
S-8679	Mirex/HCB Con 4	S-8675	10 µg/ml	120 ml	10 ml	0.12 µg/ml	Hex BR030	8/6/98	10/1/98		JR
S-8680	Mirex/HCB Con 5	d	d	160 ml	d	0.16 µg/ml	d d	d	d		d
S-8681	PCB Cong MIX	EM Science PA7040125	100 µg/ml	1 ml	—	—	Acetone	—	Aug 1999		TS
S-8682	BZ # 183	EM Science 016-362	35 µg/ml		—	—	Isooctane	—			
S-8683	156	EMA7080360			—	—		—			
S-8684	184	EM071-158			—	—		—			
S-8685	49	EM037-069			—	—		—			
S-8686	87	EMA8070238			—	—		—			
S-8687	169	EM086-108			—	—		—			
S-8688	TCX	RESTEK A004032	200 µg/ml	—	—	—	Acetone	—	5/2000		
S-8689	Congener Stock	—	—	—	—	—	—	—	—		
~~S-8690~~	PCB Cong Mix	S-8681	100 µg/ml	160 ml	10 ml	1.6 µg/ml	BR030 HEXANE	08/7/98	4/7/99		
~~S-8691~~	BZ # 183	S-8682	35 µg/ml	460 ml							
~~S-8692~~	# 156	S-8683									
~~S-8693~~	184	S-8684									
~~S-8694~~	49	S-8685									
~~S-8695~~	87	S-8686									
~~S-8696~~	169	S-8687									
~~S-8697~~	TCX	S-8688	200 µg/ml	80 ml							
S-8698	PCB Congeners Conc #6	S-8689	1.6 µg/ml	1 ml	50 ml	0.032 µg/ml	HEXANE				
~~S-8699~~											
~~S-8700~~											

Reviewed by:_____ Date:_____

Std #	Description	Stock ID	Stock Conc	Init Vol	Final Vol	Solvent	Final Conc	Init	Prep Date	Exp Date
S-8620	C28 Surrogate	Sigma Lot # 83H0655	99%	25mg	50mL	50:50 Acetone	500 µg/mL	gAA	7-11-98	1-11-99
S-8621	Stockton MS	S-7315	100mg/mL	15mL	100mL	↓	↓	↓	↓	10-11-98
~~S-8622~~	~~Restek HH A010877~~	GA 7/14/98								
S-8622	Surrogate tcx/dch	Restek A010877	200µg/mL	—	—	Acetone	—	GA	7-13-98	3-01-2001
S-8623	tcx/dch Working solution	S-8622	↓	1mL	20mL	Hexane	10µg/mL	GA	↓	01-13-99
S-8624	Aroclor 1254	Restek A010837	1000µg/mL	—	—	Hexane	—	GA	7/13/98	2-01-2000
S-8625	Aroclor 1254 Conc 1	S-8624	1000µg/mL	10ml	100mL	Hexane	0.1µg/mL			1-13-99
	tcx/dch	S-8623	~~200~~ 210 µg/mL GA 7/10/98	200ul	↓	↓	0.02µg/mL	↓	↓	↓
S-8626	Congener Stock									
	PCB Congener Mix	S-7902	100µg/mL	160ul	10mL	Hex	1.6µg/mL	GA	7/13/98	10/13/98
	32# 183	S-7903	35µg/mL	460ul						
	156	S-7904								
	187	S-7905								
	49	S-7906								
	87	S-7907								
	169	S-7908	↓	↓						
	TCX	S-7910	200µg/mL	80ul	↓	↓	↓			
S-8627	Congener Work Soln.	S-8626	1.6µg/L	500ul	10mL	MeOH	0.08	↓	↓	↓
S-8628	Maine Diesel MS	S-8621	500µg/mL	1mL	10mL	MeOH/Acet	50µg/mL	gAA	7-14-98	10-11-98
S-8629	TCX surr spk.	S-7789	200mg/mL	100ul	250mL	MeOH	0.08mg/mL	GG	7/14/98	10/14/98
S-8630	Pest 8080 B Mix	Restek A009689	8-16 µg/mL	—	—	hexane	—	GA	7/15/98	1/15/99
S-8631	Pest 8080 B Conc 3	S-8630	↓	500ul	100mL	↓	0.04-0.08	↓	↓	↓
S-8632	507 Surr Soln.	S-7612	250µg/mL	~~80~~ 10 mL	20mL	MeOH	12.5µg/mL	GA	7/16/98	10/16/98
S-8633	C28 Stock	Sigma Lot # 83H0655	99%	105g	25mL	CH_2Cl_2	2000µg/mL	gAA	7-17-98	1-17-99
S-8634	Diesel Stock	Ultra Lot # M-0493	50,000µg/mL	4mL	4mL	↓	50,000	↓	↓	↓
S-8635	Diesel HH	S-8634	↓	4mL	100mL	↓	2000	↓	↓	↓
9AA 7-14-98	C28	S-8633	2000µg/mL	20mL	↓	↓	400 ↓	↓	↓	↓
S-8636	Diesel MH	S-8635	2000/400 µg/mL	5mL	10mL	CH_2Cl_2	1000/200 µg/mL	gAA	7-17-98	1-17-99
S-8637	Diesel MM	↓	↓	5mL	20mL	↓	500 100	↓	↓	↓
S-8638	Diesel ML			1mL	10mL		200/40 ~~2000~~ 400 µg/mL			
S-8639	Diesel LL	↓	↓	250ul	10mL	↓	50 10 ↓	↓	↓	↓
S-8640	C28 Surrogate	Sigma Lot # 83H0655	99%	250mg	50mL	50:50 Acetone	500µg/mL	gAA	7-18-98	1-18-99
S-8641	Herb Surr.	S-8460	2000µg/mL	2mL	200mL	MeOH	20µg/mL	GA	7/21/98	9/98
S-8642	IblK	S-8623	10µg/mL	200ul	100mL	Hexane	0.02µg/mL	GA	7/23/98	01/13/99
~~S-8643~~	~~PEM working~~	~~S-8607~~	~~1-25 M~~							
S-8643	PEM	Restek A010112	1-25mg/L	1—	—	Hex	—	TS	7-27-98	1-27-99
S-8644	PEM working	S-8643	↓	1 ml	100ml	↓	0.01-.25µg/ml	↓	↓	↓
S-8645	MAEPH Aromatic Hydrocarbon	Restek lot # A010811	1000µg/mL ~~25mL~~	gAA 7/29/98 25mL	25mL	~~MeOH~~ CH_2Cl_2	gAA 7/29/98 1000µg/mL	gAA	7-29-98	1-29-99
S-										

gAA 7/29/98

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Std #	Description	Stock ID	Stock Conc.	Initial Volume	Final Volume	Solvent	Final Conc.	Initial	Date Prepped	Date Expires
S-8139	Mix A Conc. 1	S-8136	8-80 µg/ml	62.5 µL	100 ml	Hex	0.005-0.05 µg/ml	GDM	1-12-98	7-12-98
S-8140	2			250			0.02-0.2			
S-8141	3			500			0.04-0.4			
S-8142	4	S-8137		750			0.06-0.6			
S-8143	5	S-8138		1000			0.08-0.8			
S-8144	AR1221 Stock	Restek LOT A003324	1000 µg/ml	-	-	-	-	GDM		~~8/2000~~ 2/2000
S-8145	AR1221	S-8144	1000 µg/ml	20 µl	100 ml	Hex	0.2 µg/ml			7/12/98 8/26
	TCX/DCB	S-7996	10 µg/ml	200 µl			0.02 µg/ml			
S-8146	AR1242	S-7986	1000 µg/ml	10 µl			0.1 µg/ml			
	TCX/DCB	S-7996	10 µg/ml	200 µl			0.02 µg/ml			
S-8147	AR1248	S-8120	1000 µg/ml	10 µl			0.1		1-13-98	7-13-98
	TCX/DCB	S-7996	10 µg/ml	200 µl			0.02			
S-8148	AR1254 Stock	Restek LOT A008327	1000 µg/ml	-	-	-	-			2/2000
	TCX/DCB									
S-8149	AR1254	S-8148	1000 µg/ml	10 µl	100 ml	Hex	0.1 µg/ml	GDM	1-13-98	7-13-98
	TCX/DCB	S-7996	10 µg/ml	200 µl			0.02			
S-8150	DCAA SURR soln	S-8026	2000 µg/mL	1 mL	100 mL	MeOH	200 µg/mL	CEW	1/13/98	6-3-98
S-8151	Herb mix	—	—	—	—	—	—	—	—	—
	2,4 D	Ultra Scientific HBM-81DA	100 µg/mL	—	—	MeOH	100 µg/mL	CEW	1/13/98	7/13/98
	dalapon		250 µg/mL	—	—		250 µg/mL			
	2,4 DB		100 µg/mL	—	—		100 µg/mL			
	dicamba		10 µg/mL	—	—		10 µg/mL			
	dichlorprop		100 µg/mL	—	—		100 µg/mL			
	dinoseb		50 µg/mL	—	—		50 µg/mL			
	MCPA		10,000 µg/mL	—	—		10,000 µg/mL			
	MCPP		10,000 µg/mL	—	—		10,000 µg/mL			
	silvex (2,4,5-TP)		10 µg/mL	—	—		10 µg/mL			
	2,4,5-T		10 µg/mL	—	—		10 µg/mL			
S8152	Herb mix	S8151	0-10,000 µg/mL	4 mL	25 mL	MeOH	1.6-600 µg/mL	CEW	1/13/98	2/20/98
	PCP acid	S-7635	1000 µg/mL	40 µl			1.6 µg/mL			
	Picloram acid	S-7636	1000 µg/mL	40 µl			1.6 µg/mL			
S-8153	OPPest SURR Stock	Ultra Scientific ISM-570	1000 µg/mL	—	—	ACE	1000 µg/mL	CEW	1/13/98	7/13/98
S-8154	OPPest SURR soln	S-8153	1000 µg/mL	1 mL	50 mL	MeOH	20.0 µg/mL	CEW	1/13/98	7/13/98
S-8155	I Blank	S-7996	10 µg/ml	200 µl	100 ml	Hex	0.02 µg/ml	GDM		
~~S-8156~~	~~AR1660 CON1~~	~~S-7998~~	~~0.05 µg/ml~~	~~500 µl~~	~~1.0 mL~~	~~HEX~~		~~AKF~~	~~1-14-98~~	~~5-25-98~~
~~S-8157~~	~~AR1660 CON2~~	~~S-7999~~	~~0.1 µg/mL~~							
~~S-8158~~	~~AR1660 CON3~~	~~S-8000~~	~~0.2 µg/mL~~							
~~S-8159~~	~~AR1660 CON4~~	~~S-8001~~	~~0.5 µg/mL~~							
~~S-8160~~	~~AR1660 CON5~~	~~S-8002~~	~~1.0 µg/mL~~							

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STD#	Description	Stock ID	Stock Conc	Initial Vol	Solvent Final Vol	Solvent	Final Conc	Initials	Date Prepared	Date Exp
S-7767	Restek 32000 Pesticide Pest Surr TCX DCB	Lot A008539	200 µg/mL	3 mL	1000 mL	Acetone	.6 µg/mL	CEW	9/17/97	3/17/98
S-7768	608 MS	S-7713	100-60 µg/mL	100 µL	50 mL	Meoh Ace	0.2-1.2 µg/L	RAK	9/18/97	3/18/98
S-7769	DCAA stock	Chem Serv F-6759 Lot: 196-66A	2000 µg/mL	5 mL	—	—	—	GG	9/19/97	9/19/98
S-7770	DCAA spike	S-7769	2000 µg/mL	2 mL	200 mL	Ace	20 µg/mL	↓	↓	
S-7771	AR-1242	S-7432	1000 µg/mL	10 µL	100 mL	Hex	0.1 µg/mL	RAK	9/19/97	9/14/97
8	TCX/DCB	S-7665	5.0 µg/mL	400 µL	↓	↓	0.02 µg/mL	↓	↓	2/25/98
S-7772	AR-1248	S-7271	1000 µg/mL	10 µL	↓	↓	0.1 µg/mL	↓	↓	9/14/97
	TCX/DCB	S-7665	5.0 µg/mL	400 µL	↓	↓	0.02 µg/mL	↓	↓	2/25/98
S-7773	AR-1254	S-7666	1000 µg/mL	10 µL	↓	↓	0.1 µg/mL	↓	↓	2/28/98
	TCX/DCB	S-7665	5.0 µg/mL	400 µL	↓	↓	0.02 µg/mL	↓	↓	2/25/98
S-7774	AR-1248	Lot 64836 Supelco	1000 µg/mL	—	—	—	—	—	9/19/97	3/19/98
S-7775	AR-1248	S-7774	1000 µg/mL	10 µL	100 mL	Hex	0.1 µg/mL	RAK	↓	3/19/98
	TCX/DCB	S-7665	5.0 µg/mL	400 µL	↓	↓	0.02 µg/mL	↓	↓	2/25/98
S-7776	PFM	S-7625	1-25 µg/mL	100 µL	10 25 mL	Hex	0.1-0.25 µg/L	RAK	9/19/97	3/19/98
S-7777	Methylated Herb Mix	Ultra L-5623	1000 µg/mL	—	—	—	—	RAK	9/22/97	3/22/98
S-7778	DCAA	Ultra L-5500	Pestic 100 µg/mL	—	—	—	—	RAK	↓	3/22/98
S-7779	Herb Mix	S-7777	100 µg/mL	1 mL	10 mL	Hex/Ace	1-100 µg/L	↓	↓	3/22/98
	DCAA	S-7778	100 µg/mL	1 mL	↓	↓	10 µg/mL	↓	↓	3/22/98
	Picloram	S-7529	100 µg/mL	100 µL	↓	↓	10 µg/mL	↓	↓	1/16/98
	PCP	S-7533	1000 µg/mL	10 mL	↓	↓	1 µg/mL	↓	↓	1/16/98
S-7780	DHSEL #1 Stock	EM# (Lot Point) 951036 4	NEAT	5.0 g	50 mL	Tol	100 mg/mL	BLS	9/22/97	3/22/98
S-7781	Kerosene Stock	Lot # LA65652	50 mg/mL	1 mL	1 mL	Hex.	50 mg/mL	↓	↓	↓
S-7782	AK102 HH	S-7780	100 mg/mL	330 µL	50 mL	methz	660 µg/mL	↓	↓	~~10/9/97~~ 1-1-98 exp 11-1-97
↓		S-7315	↓	↓	↓	↓	↓	↓	↓	↓
		S-7781	50 mg/mL	670 µL	↓	↓	670 µg/mL	↓	↓	↓
	Composite	—	—	—	↓	↓	≈2000 µg/mL	↓	↓	↓
↓	OTP	S-7710	10,000 µg/mL	1 mL	↓	↓	200 µg/mL	↓	↓	↓
S-7783	AK102 MH	S-7782	2000 µg/mL 200	5 mL	10 mL	↓	1000 100 µg/mL	↓	↓	↓
S-7784	AK102 MM	↓	↓	25 mL	↓	↓	500 50	↓	↓	↓
S-7785	AK102 ML	↓	↓	1 mL	↓	↓	200 20	↓	↓	↓
S-7786	AK102 LL	↓	↓	250 µL	↓	↓	50 5	↓	↓	↓
S-7787	Herb Mix Acid	Ultra SCI L6650 Pa 9/14/97	10-1000 µg/mL	4 mL	—	Ace	—	BFO	9/23/97	3/22/98
S-7788 (Herb Spike for ext.)	Herb Mix acid	7767	16-1000 µg/mL	4 mL	25 mL	Ace	16-1000 µg/L	BFO	9/23/97	3/22/98
	Picloram acid	7635	1000	400 µL	↓	↓	16	↓	↓	↓
↓	PCP acid	7636	1000	400 µL	↓	↓	1.6	↓	↓	↓
S-7789	TCX	Restek #32023 Lot: A009032	200 µg/mL	5 mL	5 mL	ACE	200 µg/mL	GG	9/24/97	(5/2000) ~~3/24/97~~ WEM 4/22/98
S-7790	TCX Surr Spike	S-7789	200 µg/mL	150 µL	50 mL	ACE	0.6 µg/mL	↓	↓	↓
S-7791	TOX ARHENE	S-7615	100 µg/mL	50 µL	100 mL	Hex	0.5 µg/L	RAK	9/29/97	2/8/98
	TCX/DCB	S-7679	20 µg/L	10 µL	↓	↓	0.02 µg/L	↓	↓	↓

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F. Technical Review Checklist and Other Analysis Documentation

ORGANIC EXTRACTIONS ECD/NPD/FPD ANALYSIS REVIEW CHECKLIST

Report Number: 691733 Client: IT CORP Test: Pest (8081) Instrument: 587

EA Nos: 9913260 - 274 Matrix: Soil Analyst: TJ

CALIBRATION INITIAL ANALYSIS	Primary Analyst Review	Comments	(✓) Peer Review
What is the appropriate Project Summary?		EAL-PS- 090	✓
Did the resolution check meet specified criteria?	Y (N/A) N	NCR:	✓
Did the degradation-check PEM(s) meet criteria?	(Y) N/A N	NCR:	✓
Did the initial calibration meet specified criteria?	(Y) N	NCR:	✓
Did the ICV/CCV(s) meet specified criteria?	(Y) N	NCR:	✓
Was the method blank free of target analytes?	(Y) N	NCR:	✓
Did the method blank and LCS meet surrogate criteria?	(Y) N	NCR:	✓
Did the LCS meet specified target analyte criteria?	(Y) N	NCR:	✓
Did the LCS duplicate meet specified target analyte criteria?	Y (N/A) N	NCR:	✓
Did all samples meet surrogate criteria?	(Y) N		✓
Were all samples analyzed within appropriate cal/tune time?	(Y) N/A N	NCR:	✓
Have you checked for dilutions/reanalyses?	(Y) N		✓
Were samples initially analyzed within holding time?	(Y) N	NCR:	✓
Were re-extractions initiated within holding time?	Y (N/A) N	NCR:	✓

PACKAGE GENERATION			
Client chain of custodies	(Y) N		✓
LIMS chain of custodies	(Y) N		✓
Extraction TCLP DIWET sheets	Batches:	P912082	✓
Have all samples been included in the data package?	(Y) N		✓
Dry weight sample weight logs	(Y) N/A		✓
Example calculation worksheet	(Y)		✓
Injection logs	(Y)		✓
Standards logs	(Y)		✓
GPC logs and UV trace chromatographs	Y (N/A)		✓
Have the proper reporting/QC limits & analyte lists been used?	(Y)	Method (STD) MDL Proj.	✓
Is the SDG number on all required forms?	Y (N/A)	SDG #:	✓
Form IIs (Surrogate Recovery Forms)	(Y) N/A		✓
Form IIIs (MS/MSD Recovery Forms)	(Y) N/A		✓
Form IIIs (LCS/LCSD Recovery Forms)	(Y)		✓
Form IVS (Method Blank Forms)	(Y)		✓
Form Is (Sample Data with Forms)	(Y)		✓
Is sample data included?	(Y)		✓
Form Xs (Pest/PCB Identification Forms)	Y (N/A)		✓
Form VIs (Initial Calibration Forms)	(Y)		✓
Form VIIs (Cont. Calibration & PEM Forms)	(Y)		✓
Form VIIIs (Pesticide Sequence Forms)	Y (N/A)		✓
Form IXa (Pesticide Florisil Forms)	Y (N/A) N		✓
Form IXb (Pesticide GPC Forms)	Y (N/A) N		✓
Are all IC/ICV/CCV data included?	(Y)		✓
Are Blank/LCS/MS/MSD(s) included?	(Y)		✓
Have all manual integrations been addressed?	(Y) N/A	MS/MG	✓

ORGANIC EXTRACTIONS ANALYSIS REVIEW CHECKLIST CONTINUED

TION CHIEF

Has analyst review been completed?	Y	ERM Directory	ITC 1733S. ERM
Has peer review been completed?	Y		
Has correct Project Summary been confirmed?	Y	Forms Filename	
Are all data reduction file names listed?	Y		
Are all NCR's included with appropriate action?	Y N/A	Generated by	TS
Are all memo's/E-Mails included with appropriate action?	Y N/A		
Has the electronic file been generated?	Y N/A		

Additional Comments

		Date
Primary Analyst	Tesfay	12/09/99
Peer Review	A Melony	12-9-99
Instrumentation Section Chief		

All questions should be answered with a "Y" for yes, "N" for no or "NA" for not applicable. All "N" answers require a corrective action as specified in the project summary and an explanation in the narrative notes section.