Data Usability Summary Report

DATE: September 15, 2004

TO: Mr. Bruce Coulombe
The RETEC Group, Inc.
1001 West Seneca Street, Suite 204
Ithaca, NY 14850

FROM: Gregory A. Malzone
Data Validator

SUBJECT: Con Edison – Peekskill
July 1-9, 2004 Sampling Event
Soil and Aqueous Samples

Data Validation:

Severn Trent Laboratories, Inc. – Pittsburgh Lot Numbers:

C4G060114, C4G100151, C4G130168

Overview

Sampling events were conducted at the Central Avenue Works former MGP, located in Peekskill, New York on July 1-9, 2004. Soil, groundwater, and field quality control samples were collected and assigned to the following lots.

- One groundwater sample and one trip blank were collected on July 1, 2004 and assigned to Severn Trent Lot C4G060114.

  MW5-070104 TRIP BLANK-070104[1]

- Twenty soil samples were collected on July 8, 2004 and assigned to Severn Trent Lot C4G100151.

SW01 (0-51)	SD01 (30)	SW03 (0-62)	SW-04 (0-62)	SW05 (0-57)	SW06 (40-90)
SW07 (0-47)	SW08 (0-51)	SW09 (0-51)	SB01 (51)	SB02 (40)	SB03 (51)
SB04 (51)	SB05 (72)	SB06 (57)	SB07 (62)	SD02 (75)	SW10 40-70
SW02 (0-51)	SW11				

- One soil sample was collected on July 9, 2004 and assigned to Severn Trent Lot C4G130168.

  SW12

The samples were analyzed by Severn Trent Laboratories, Inc., 450 William Pitt Way, Pittsburgh, PA 15238 using the following methods.

C4G060114 (Groundwater Sample)

- Volatile Organic Compounds by USEPA SW-846 Method 8260B[1]
- Semivolatile Organic Compounds by USEPA SW-846 Method 8270C
- Trace Metals by USEPA SW-846 Methods 6010B and 7470A
- Total Cyanide by USEPA SW-846 Method 9012A
- Available Cyanide by USEPA MCAWW 1677

C4G100151 and C4G130168 (Soil Samples)

- Volatile Organic Compounds by USEPA SW-846 Method 8260B
- Semivolatile Organic Compounds by USEPA SW-846 Method 8270C
- Percent Solids for Dry Weight Corrections by USEPA MCAWW 160.3 mod.

[1] The trip blanks were submitted for volatile organics (SW 8260B) analysis only.

Summary

Data quality for the organic analyses was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance standards, internal standards, initial and continuing calibrations, surrogate recoveries, laboratory control standards (LCSs), laboratory blanks, laboratory duplicates, field duplicates, compound identification, and compound quantitation.

Inorganic data quality was evaluated by reviewing the following parameters: holding times, matrix spikes, initial calibrations, continuing calibration verification standard recoveries, contract required detection limit standard recoveries, laboratory control standards, ICP interference check sample recoveries, ICP serial dilution results, and laboratory and field blanks.

The data summary pages attached as Attachment 2 were revised to include the data validation qualifiers. All USEPA-defined data qualifiers and changes made by the data evaluators were added in red ink. A glossary of data qualifier definitions is included in Attachment 1.

Overall, the data quality satisfies the Data Quality Objectives outlined in the Quality Assurance Project Plan (RETEC 2002). Accordingly, with few exceptions, the data have been determined to be useable for the purpose of assessing the presence/absence and quantitative concentrations of the analytes in the media tested (i.e., soil and groundwater) with some qualification. Completeness of 98.6% was achieved for this data set. The exceptions included the rejection of thirty-seven (37) volatile results due to low instrument sensitivity.

Each noncompliance with specific data usability criteria is discussed below. Support documentation for data qualifications was included in Attachment 3 of this DUSR. Specific page references for the supporting documentation in the laboratory reports were provided in each item header.

Volatile Organic Compounds

C4G060114 (Groundwater Sample)

Calibrations (pp. 1081-1083): The continuing calibration percent difference (%Ds) for bromomethane was less than the lower specification limit of -25% on instrument HP4 on 07-07-04 at 03:32 hours. The bromomethane result reported for sample MW5-070104 was nondetect and qualified "UJ," as an estimate, because of poor instrument sensitivity.

C4G100151 and C4G130168 (Soil Samples)

a. Calibrations (pp. 1220-1223, 1266-1272, 1327-1329, 1335-1337, 1343-1345): The initial calibration relative standard deviation (RSD) for trichlorofluoromethane was greater than the maximum specification limit of 30% on instrument HP3 on 03-03-04. Trichlorofluoromethane was not detected in any of the project samples analyzed using this low-level soil initial calibration. No data qualifications were required.

The continuing calibration %Ds for acetone, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, and methyl acetate were less than the lower specification limit of –25% and the %D for 4-methyl-2-pentanone was greater than the upper specification limit of +25% on 07-13-04 at 08:40 on instrument HP3. The response factors (RF50s) for bromomethane and chloroethane were less than the specification limit of 0.05 for the same continuing calibration. The acetone, 1,2-dibromo-3-chloropropane, 1,2,3-trichlorobenzene, and methyl acetate results for the associated samples were nondetect and were qualified "UJ," as estimates, because of poor instrument sensitivity. The bromomethane and chloroethane results for the associated samples were nondetect and were qualified "R," as rejected, because of

extremely poor instrument sensitivity. 4-Methyl-2-pentanone was not detected in any of the associated samples. No data qualifications were required for 4-methyl-2-pentanone in response to the high instrument bias.

The continuing calibration response factors (RF50s) for bromomethane and chloroethane were less than the specification limit of 0.05 for on 07-14-04 at 06:31 on instrument HP3. The bromomethane and chloroethane results for samples SD02 (75) and SW10 (40-70) were nondetect and were qualified "R," as rejected, because of extremely poor instrument sensitivity.

The continuing calibration %Ds for acetone, 2-butanone, 2-hexanone, 1,1,2,2-tetrachloroethane, and methyl acetate were less than the lower specification limit of –25% and the %D for trichlorofluoromethane was greater than the upper specification limit of +25% on 07-16-04 at 08:52 on instrument HP3. The response factor (RF50) for chloroethane was less than the specification limit of 0.05 for the same continuing calibration. The acetone, 2-butanone, 2-hexanone, 1,1,2,2-tetrachloroethane, and methyl acetate results for samples SB01 (51), SB04 (51), and SW12 were nondetect and were qualified "UJ," as estimates, because of poor instrument sensitivity. The chloroethane results for the associated samples were nondetect and were qualified "R," as rejected, because of extremely poor instrument sensitivity. Trichlorofluoromethane was not detected in the associated samples. No data qualifications were required for trichlorofluoromethane in response to the high instrument bias.

The initial medium level soil calibration RSDs for isopropylbenzene and o-xylene were greater than the maximum specification limit of 30% on instrument HP5 on 07-13-04. A higher order curve was used to quantitate results. The isopropylbenzene and o-xylene results for associated sample SW06 (40-90) were positive and were qualified "J," as estimated concentrations, because of a nonconforming surrogate recovery. See section b below. No further qualifications were required.

b. Surrogate Recoveries (p. 57): The 4-bromofluorobenzene surrogate recovery for sample SW06 (40-90) exceeded the upper quality control limit. The nonconforming surrogate recovery was verified upon reanalysis of the sample on the same day. The positive results for ethylbenzene, isopropylbenzene, methylcyclohexane, toluene, and total xylenes required "J" qualifiers, as estimated concentrations, because of possible matrix effects. Note: The original and reanalysis results were reported in the data package. The reanalysis results were rejected; the original results for SW06 (40-90) must be reported.

Semivolatile Organic Compounds

C4G060114 (Groundwater Sample)

Calibrations (pp. 2055, 2061): The initial calibration RSD for benzaldehyde was greater than the maximum specification limit of 30% on instrument MSD731 on 07-02-04. The benzaldehyde result reported for sample MW5-070104 was nondetect. No data qualification was required.

C4G100151 and C4G130168 (Soil Samples)

a. Matrix Spike Recoveries and RPDs (pp. 165-166): The pyrene spike added to SW01 (0-51) MS/MSD was less than 25% of the original sample result. The spike recoveries and RPD could not be calculated. No data qualifications were required.
b. Internal Standard Area Counts (pp. 173-174): The perylene-d12 internal standard area count

for samples SB04 (51) and SB06 (57) exceeded the +100% specification limit. The benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benzo(ghi)perylene, and dibenz(a,h)anthracene results for samples SB04 (51) and SB06 (57) were positive and were qualified "J," as estimated concentrations, because of high bias.

Total Trace Metals

C4G060114 (Groundwater Sample)

a. Blank Contamination (pp. 45-47, 3035, 3038): Aluminum, beryllium, cobalt, iron, manganese, silver, and thallium were detected in the method blank and/or in one or more of the ICP initial and continuing calibration blanks, at concentrations estimated below the reporting limits. The MW5-070104 results for aluminum, iron, manganese, and thallium were either nondetect or above the reporting limits. Therefore, no validation action was required. The estimated concentrations of beryllium, cobalt, and silver were qualified as undetected, "U," because of laboratory contamination. The laboratory flagged the positive results for aluminum, iron, and manganese with a "J" because of detections in the method blank. The validator removed these "J" qualifiers as unnecessary.

Negative estimated values for copper were reported for one or more initial and continuing calibration blanks. The MW5-070104 result for copper was greater than the reporting limit. No data qualification was required.

b. Matrix Spike Recoveries (pp. 60-63): The aluminum, calcium, iron, magnesium, manganese, and sodium spikes added to MW5-070104 MS/MSD were less than 25% of the original sample result. The matrix spike recoveries and relative percent differences (RPDs) could not be calculated. The effects of matrix on these analyses could not be assessed. No data qualifications were required.

c. Reporting Limit Standard Recoveries (pp. 3031-3032): The reporting limit standard recovery for mercury was greater than the upper limit of 130%, at 130.5%. Mercury was not detected in sample MW5-070104. No data qualification was required.

The reporting limit standard recovery for lead was less than the lower limit of 70%, at 56.7%. The positive lead result for sample MW5-070104 was greater than twice the reporting limit. No data qualification was required.

d. ICP Serial Dilution Percent Difference (p. 3044): A serial dilution was performed on sample MW5-070104. The %D for potassium and sodium were greater than the specification limit of 10%. The dilution result for potassium was less than the initial (undiluted) result indicating a positive physical or chemical interference. The potassium result for sample MW5-070104 was qualified "J," as an estimated concentration, because of high bias attributable to matrix effects. A five-fold dilution was required to bring the MW5-070104 sodium concentration into the calibration range. The dilution result was comparable to the five-fold serial dilution result. No data qualification was necessary for sodium, based on professional judgment. The "E" qualifier was removed.

Available Cyanide

C4G060114 (Groundwater Sample)

No data quality issues were noted. No data qualifications were required.

Total Cyanide

C4G060114 (Groundwater Sample)

No data quality issues were noted. No data qualifications were required.

Percent Solids

C4G100151 and C4G130168 (Soil Samples)

No data quality issues were noted. No data qualifications were required.

Notes

The newly established semivolatile method detection limits (MDLs) were entered into the laboratory information management system (LIMS) on 07-14-04. The secondary dilutions for samples SW-04 (0-62), SW06 (40-90), SW09 (0-51), SB01 (51), and all semivolatile analyses for SW10 (40-70) were reported using the newly established MDLs. The new MDLs were generally lower than the former MDLs. The new MDL levels did not affect the reporting limits.

The collection times for samples SW02 (0-51) and SW11 were inadvertently not entered on the chain-of-custody record. The sample collection time for both samples was 15:20 hours.

Volatiles sample MW5-070104 required analysis at a 100-fold dilution to bring the analyte concentrations into the calibration range. The surrogate recoveries were acceptable. The dilution caused the reporting limits to be elevated accordingly.

Volatiles sample SW06 (40-90) was analyzed using the medium level soil (methanol) extract because of the high analyte levels in the sample. The use of the medium level method resulted in higher reporting limits.

Semivolatiles sample MW5-070104 required analysis at a 50-fold dilution to bring the analyte concentrations into the calibration range. A subsequent 250-fold dilution analysis was required to bring the naphthalene concentration into the calibration range.

Semivolitiles samples SW06 (40-90), SW09 (0-51), SB01 (51), SB02 (40), SB03 (51), SB05 (72), and SW-2 (0-51) required analysis at a 20-fold or greater initial or subsequent dilutions to bring the analyte concentration(s) into the calibration range. The dilutions caused the reporting limits to be elevated accordingly. The dilutions were high enough to dilute out the surrogates. Surrogate recoveries could not be used to assess method accuracy or extraction efficiency. However, there were sufficient, acceptable quality control data to show that the analytical process was in-control. No data qualifications were necessary based on professional judgment.

Semivolitile samples SW01 (0-51), SW03 (0-62), SW04 (0-62), SW05 (0-57), SW07 (0-47), SW08 (0-51), SB-04 (51), SB06 (57), SB07 (62) SD02 (75), SW10 (40-70), and SW12 required analysis at 2 to 10-fold dilutions to bring the analyte concentration(s) into the calibration range. Surrogate recoveries were within the quality control limits. No data qualifications were required.

The semivolatile organic reporting limits were adjusted based on the sample aliquot volume extracted.

Positive organic results less than the reporting limits, but greater than the method detection limits (MDLs) were qualified as estimated, "J," by the laboratory due to uncertainty near the detection limit.

Inorganic parameter concentrations, estimated between the MDLs and the reporting limits, were qualified "B" by the laboratory because of the variability below the lowest calibration standard. The "B" qualifiers were changed to the more consistent "J" qualifiers, to indicate estimated concentrations, because of the variability below the reporting limit.

Data were validated method specifications and the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, EPA540/R-99/008, October 1999 and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA540/R-01/008, July 2002, as they apply to the analytical methods employed.

Attachments

1. Glossary of EPA-defined data qualifier codes.
2. Data Summary
3. Support Documentation

Attachment 1 of 3

Glossary of Data Qualifier Codes

GLOSSARY OF DATA QUALIFIER CODES

Codes Relating to Identification

U - The analyte was analyzed for, but was not detected above the level of the reported samples quantitation limit.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Codes Related to Quantitation

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be inaccurate or imprecise.

Attachment 2 of 3

Data Summary Tables

THE RETEC GROUP INC

Client Sample ID: MW5-070104

GC/MS Volatiles

Lot-Sample #...:	C4G060114-001	**Work Order #...:**	GKJLH1AA	**Matrix.....:**	WG
Date Sampled...:	07/01/04	**Date Received..:**	07/02/04	**MS Run #.....:**	4189032
Prep Date.....:	07/07/04	**Analysis Date..:**	07/07/04		
Prep Batch #...:	4189041	**Analysis Time..:**	11:51		
Dilution Factor:	100	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	016328	**Instrument ID..:**	HP4		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	500	ug/L	250
Benzene	**2000**	**100**	**ug/L**	25
Bromodichloromethane	ND	100	ug/L	11
Bromoform	ND	100	ug/L	29
Bromomethane	ND UJ	100	ug/L	43
2-Butanone	ND	500	ug/L	120
Carbon disulfide	ND	100	ug/L	16
Carbon tetrachloride	ND	100	ug/L	25
Chlorobenzene	ND	100	ug/L	19
Chloroethane	ND	100	ug/L	41
Chloroform	ND	100	ug/L	10
Chloromethane	ND	100	ug/L	17
Cyclohexane	ND	100	ug/L	47
Dibromochloromethane	ND	100	ug/L	31
1,2-Dibromo-3-chloro-propane	ND	100	ug/L	38
1,2-Dibromoethane	ND	100	ug/L	16
1,3-Dichlorobenzene	ND	100	ug/L	9.8
1,4-Dichlorobenzene	ND	100	ug/L	20
1,2-Dichlorobenzene	ND	100	ug/L	20
Dichlorodifluoromethane	ND	100	ug/L	43
1,1-Dichloroethane	ND	100	ug/L	21
1,2-Dichloroethane	ND	100	ug/L	10
1,1-Dichloroethene	ND	100	ug/L	35
cis-1,2-Dichloroethene	ND	100	ug/L	27
trans-1,2-Dichloroethene	ND	100	ug/L	23
1,2-Dichloropropane	ND	100	ug/L	17
cis-1,3-Dichloropropene	ND	100	ug/L	16
trans-1,3-Dichloropropene	ND	100	ug/L	12
Ethylbenzene	**27 J**	**100**	**ug/L**	**17**
2-Hexanone	ND	500	ug/L	88
Isopropylbenzene	ND	100	ug/L	19
Methyl acetate	ND	100	ug/L	26
Methylene chloride	ND	100	ug/L	40
Methylcyclohexane	ND	100	ug/L	19
4-Methyl-2-pentanone	ND	500	ug/L	120
Methyl tert-butyl ether	ND	100	ug/L	28

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Client Sample ID: MW5-070104

GC/MS Volatiles

Lot-Sample #...: C4G060114-001 **Work Order #...:** GKJLH1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	100	ug/L	10
1,1,2,2-Tetrachloroethane	ND	100	ug/L	42
1,2,4-Trichloro-benzene	ND	100	ug/L	40
Tetrachloroethene	ND	100	ug/L	21
1,1,1-Trichloroethane	ND	100	ug/L	24
1,1,2-Trichloroethane	ND	100	ug/L	22
Trichloroethene	ND	100	ug/L	22
Trichlorofluoromethane	ND	100	ug/L	18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	100	ug/L	29
Toluene	ND	100	ug/L	18
Vinyl chloride	ND	100	ug/L	17
Xylenes (total)	**1000**	**300**	**ug/L**	**34**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 110)
1,2-Dichloroethane-d4	104	(61 - 128)
4-Bromofluorobenzene	88	(74 - 116)
Dibromofluoromethane	101	(73 - 122)

NOTE(S):

J Estimated result. Result is less than RL.

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Client Sample ID: TRIP BLANK-070104

GC/MS Volatiles

Lot-Sample #...:	C4G060114-002	**Work Order #...:**	GKJLJ1AA	**Matrix.....:**	WQ
Date Sampled...:	07/01/04	**Date Received..:**	07/02/04	**MS Run #.....:**	4189032
Prep Date.....:	07/07/04	**Analysis Date..:**	07/07/04		
Prep Batch #...:	4189041	**Analysis Time..:**	08:53		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	016328	**Instrument ID..:**	HP4		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	5.0	ug/L	2.5
Benzene	ND	1.0	ug/L	0.25
Bromodichloromethane	ND	1.0	ug/L	0.11
Bromoform	ND	1.0	ug/L	0.29
Bromomethane	ND	1.0	ug/L	0.43
2-Butanone	ND	5.0	ug/L	1.2
Carbon disulfide	ND	1.0	ug/L	0.16
Carbon tetrachloride	ND	1.0	ug/L	0.25
Chlorobenzene	ND	1.0	ug/L	0.19
Chloroethane	ND	1.0	ug/L	0.41
Chloroform	ND	1.0	ug/L	0.10
Chloromethane	ND	1.0	ug/L	0.17
Cyclohexane	ND	1.0	ug/L	0.47
Dibromochloromethane	ND	1.0	ug/L	0.31
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.38
1,2-Dibromoethane	ND	1.0	ug/L	0.16
1,3-Dichlorobenzene	ND	1.0	ug/L	0.098
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
Dichlorodifluoromethane	ND	1.0	ug/L	0.43
1,1-Dichloroethane	ND	1.0	ug/L	0.21
1,2-Dichloroethane	ND	1.0	ug/L	0.10
1,1-Dichloroethene	ND	1.0	ug/L	0.35
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.27
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.23
1,2-Dichloropropane	ND	1.0	ug/L	0.17
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.12
Ethylbenzene	ND	1.0	ug/L	0.17
2-Hexanone	ND	5.0	ug/L	0.88
Isopropylbenzene	ND	1.0	ug/L	0.19
Methyl acetate	ND	1.0	ug/L	0.26
Methylene chloride	ND	1.0	ug/L	0.40
Methylcyclohexane	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	5.0	ug/L	1.2
Methyl tert-butyl ether	ND	1.0	ug/L	0.28

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Client Sample ID: TRIP BLANK-070104

GC/MS Volatiles

Lot-Sample #...: C4G060114-002 **Work Order #...:** GKJLJ1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	1.0	ug/L	0.10
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.42
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.21
1,1,1-Trichloroethane	ND	1.0	ug/L	0.24
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Trichloroethene	ND	1.0	ug/L	0.22
Trichlorofluoromethane	ND	1.0	ug/L	0.18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.29
Toluene	ND	1.0	ug/L	0.18
Vinyl chloride	ND	1.0	ug/L	0.17
Xylenes (total)	ND	3.0	ug/L	0.34

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(76 - 110)
1,2-Dichloroethane-d4	106	(61 - 128)
4-Bromofluorobenzene	99	(74 - 116)
Dibromofluoromethane	105	(73 - 122)

THE RETEC GROUP INC

Client Sample ID: MW5-070104

GC/MS Semivolatiles

Lot-Sample #...:	C4G060114-001	**Work Order #...:**	GKJLH1AC	**Matrix.....:**	WG
Date Sampled...:	07/01/04 11:25	**Date Received..:**	07/02/04 10:00	**MS Run #.....:**	
Prep Date.....:	07/06/04	**Analysis Date..:**	07/07/04		
Prep Batch #...:	4188350	**Analysis Time..:**	11:58		
Dilution Factor:	31.7	**Initial Wgt/Vol:**	630 mL	**Final Wgt/Vol..:**	1 mL
Analyst ID.....:	003200	**Instrument ID..:**	MSD7		
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	320	ug/L	40
Acenaphthylene	**66 J**	**320**	**ug/L**	**41**
Acetophenone	ND	320	ug/L	28
Anthracene	**41 J**	**320**	**ug/L**	**28**
Atrazine	ND	320	ug/L	95
Benzo(a)anthracene	ND	320	ug/L	25
Benzo(a)pyrene	ND	320	ug/L	23
Benzo(b)fluoranthene	ND	320	ug/L	85
Benzo(ghi)perylene	ND	320	ug/L	51
Benzo(k)fluoranthene	ND	320	ug/L	22
Benzaldehyde	ND	320	ug/L	33
1,1'-Biphenyl	**49 J**	**320**	**ug/L**	**41**
bis(2-Chloroethoxy) methane	ND	320	ug/L	4.0
bis(2-Chloroethyl)-ether	ND	320	ug/L	5.4
bis(2-Ethylhexyl) phthalate	ND	320	ug/L	120
4-Bromophenyl phenyl ether	ND	320	ug/L	43
Butyl benzyl phthalate	ND	320	ug/L	5.5
Caprolactam	ND	320	ug/L	29
Carbazole	**190 J**	**320**	**ug/L**	**4.3**
4-Chloroaniline	ND	320	ug/L	80
4-Chloro-3-methylphenol	ND	320	ug/L	34
2-Chloronaphthalene	ND	320	ug/L	4.1
2-Chlorophenol	ND	320	ug/L	4.1
4-Chlorophenyl phenyl ether	ND	320	ug/L	3.3
Chrysene	ND	320	ug/L	21
Dibenz(a,h)anthracene	ND	320	ug/L	20
Dibenzofuran	**140 J**	**320**	**ug/L**	**3.5**
3,3'-Dichlorobenzidine	ND	1600	ug/L	150
2,4-Dichlorophenol	ND	320	ug/L	53
Diethyl phthalate	ND	320	ug/L	5.2
2,4-Dimethylphenol	**690**	**320**	**ug/L**	**140**
Dimethyl phthalate	ND	320	ug/L	4.0

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THE RETEC GROUP INC

Client Sample ID: MW5-070104

GC/MS Semivolatiles

Lot-Sample #...: C4G060114-001 **Work Order #...:** GKJLH1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	320	ug/L	19
4,6-Dinitro-2-methylphenol	ND	1600	ug/L	80
2,4-Dinitrophenol	ND	1600	ug/L	19
2,4-Dinitrotoluene	ND	320	ug/L	29
2,6-Dinitrotoluene	ND	320	ug/L	4.2
Di-n-octyl phthalate	ND	320	ug/L	4.9
Fluoranthene	**50 J**	**320**	**ug/L**	**4.0**
Fluorene	**98 J**	**320**	**ug/L**	**3.7**
Hexachlorobenzene	ND	320	ug/L	37
Hexachlorobutadiene	ND	320	ug/L	4.3
Hexachlorocyclopentadiene	ND	1600	ug/L	1600
Hexachloroethane	ND	320	ug/L	4.9
Indeno(1,2,3-cd)pyrene	ND	320	ug/L	22
Isophorone	ND	320	ug/L	3.9
2-Methylnaphthalene	**470**	**320**	**ug/L**	**4.9**
2-Methylphenol	**280 J**	**320**	**ug/L**	**30**
4-Methylphenol	**58 J**	**320**	**ug/L**	**42**
Naphthalene	~~6600 E~~ 6200	~~320~~ 1600	**ug/L**	~~4.7~~ 24
2-Nitroaniline	ND	1600	ug/L	3.2
3-Nitroaniline	ND	1600	ug/L	44
4-Nitroaniline	ND	1600	ug/L	47
Nitrobenzene	ND	320	ug/L	5.5
2-Nitrophenol	ND	320	ug/L	4.3
4-Nitrophenol	ND	1600	ug/L	71
N-Nitrosodi-n-propylamine	ND	320	ug/L	3.9
N-Nitrosodiphenylamine	ND	320	ug/L	51
2,2'-oxybis(1-Chloropropane)	ND	320	ug/L	25
Pentachlorophenol	ND	1600	ug/L	25
Phenanthrene	**140 J**	**320**	**ug/L**	**33**
Phenol	ND	320	ug/L	4.9
Pyrene	**42 J**	**320**	**ug/L**	**3.6**
2,4,5-Trichlorophenol	ND	320	ug/L	51
2,4,6-Trichlorophenol	ND	320	ug/L	60

(Continued on next page)

The naphthalene result from the 250-fold dilution run was transcribed over the original (50-fold dilution) result because it was over range.

GAM 09/15/04

THE RETEC GROUP INC

Client Sample ID: MW5-070104

GC/MS Semivolatiles

Lot-Sample #...: C4G060114-001 Work Order #...: GKJLH1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(21 - 122)
2-Fluorobiphenyl	NC,DIL	(30 - 110)
2-Fluorophenol	NC,DIL	(13 - 110)
Nitrobenzene-d5	NC,DIL	(32 - 112)
Phenol-d5	NC,DIL	(10 - 113)
Terphenyl-d14	NC,DIL	(10 - 144)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

THE RETEC GROUP INC

Client Sample ID: MW5-070104 DV

GC/MS Semivolatiles

Lot-Sample #...:	C4G060114-001	Work Order #...:	GKJLH2AC	Matrix.....:	WG
Date Sampled...:	07/01/04 11:25	Date Received..:	07/02/04 10:00	MS Run #.....:	
Prep Date.....:	07/06/04	Analysis Date..:	07/07/04		
Prep Batch #...:	4188350	Analysis Time..:	14:48		
Dilution Factor:	158.7	Initial Wgt/Vol:	630 mL	Final Wgt/Vol..:	1 mL
Analyst ID.....:	003200	Instrument ID..:	MSD7		
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1600	ug/L	200
Acenaphthylene	ND	1600	ug/L	200
Acetophenone	ND	1600	ug/L	140
Anthracene	ND	1600	ug/L	140
Atrazine	ND	1600	ug/L	470
Benzo(a)anthracene	ND	1600	ug/L	120
Benzo(a)pyrene	ND	1600	ug/L	110
Benzo(b)fluoranthene	ND	1600	ug/L	430
Benzo(ghi)perylene	ND	1600	ug/L	250
Benzo(k)fluoranthene	ND	1600	ug/L	110
Benzaldehyde	ND	1600	ug/L	160
1,1'-Biphenyl	ND	1600	ug/L	200
bis(2-Chloroethoxy) methane	ND	1600	ug/L	20
bis(2-Chloroethyl)-ether	ND	1600	ug/L	27
bis(2-Ethylhexyl) phthalate	ND	1600	ug/L	600
4-Bromophenyl phenyl ether	ND	1600	ug/L	210
Butyl benzyl phthalate	ND	1600	ug/L	28
Caprolactam	ND	1600	ug/L	140
Carbazole	**160 J**	**1600**	**ug/L**	**22**
4-Chloroaniline	ND	1600	ug/L	400
4-Chloro-3-methylphenol	ND	1600	ug/L	170
2-Chloronaphthalene	ND	1600	ug/L	21
2-Chlorophenol	ND	1600	ug/L	21
4-Chlorophenyl phenyl ether	ND	1600	ug/L	16
Chrysene	ND	1600	ug/L	110
Dibenz(a,h)anthracene	ND	1600	ug/L	100
Dibenzofuran	**130 J**	**1600**	**ug/L**	**17**
3,3'-Dichlorobenzidine	ND	7900	ug/L	760
2,4-Dichlorophenol	ND	1600	ug/L	260
Diethyl phthalate	ND	1600	ug/L	26
2,4-Dimethylphenol	ND	1600	ug/L	680
Dimethyl phthalate	ND	1600	ug/L	20

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: MW5-070104 DL

GC/MS Semivolatiles

Lot-Sample #...: C4G060114-001 DL **Work Order #...:** GKJLH2AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1600	ug/L	97
4,6-Dinitro-2-methylphenol	ND	7900	ug/L	400
2,4-Dinitrophenol	ND	7900	ug/L	93
2,4-Dinitrotoluene	ND	1600	ug/L	150
2,6-Dinitrotoluene	ND	1600	ug/L	21
Di-n-octyl phthalate	ND	1600	ug/L	24
Fluoranthene	ND	1600	ug/L	20
Fluorene	**87 J**	**1600**	**ug/L**	**19**
Hexachlorobenzene	ND	1600	ug/L	180
Hexachlorobutadiene	ND	1600	ug/L	21
Hexachlorocyclopenta-diene	ND	7900	ug/L	7900
Hexachloroethane	ND	1600	ug/L	25
Indeno(1,2,3-cd)pyrene	ND	1600	ug/L	110
Isophorone	ND	1600	ug/L	20
2-Methylnaphthalene	**440 J**	**1600**	**ug/L**	**25**
2-Methylphenol	**240 J**	**1600**	**ug/L**	**150**
4-Methylphenol	ND	1600	ug/L	210
Naphthalene	**6200**	**1600**	**ug/L**	**24**
2-Nitroaniline	ND	7900	ug/L	16
3-Nitroaniline	ND	7900	ug/L	220
4-Nitroaniline	ND	7900	ug/L	230
Nitrobenzene	ND	1600	ug/L	27
2-Nitrophenol	ND	1600	ug/L	21
4-Nitrophenol	ND	7900	ug/L	360
N-Nitrosodi-n-propyl-amine	ND	1600	ug/L	19
N-Nitrosodiphenylamine	ND	1600	ug/L	260
2,2'-oxybis(1-Chloropropane)	ND	1600	ug/L	130
Pentachlorophenol	ND	7900	ug/L	120
Phenanthrene	ND	1600	ug/L	160
Phenol	ND	1600	ug/L	25
Pyrene	ND	1600	ug/L	18
2,4,5-Trichloro-phenol	ND	1600	ug/L	250
2,4,6-Trichloro-phenol	ND	1600	ug/L	300

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: MW5-070104 DL

GC/MS Semivolatiles

Lot-Sample #...: C4G060114-001 Work Order #...: GKJLH2AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(21 - 122)
2-Fluorobiphenyl	NC,DIL	(30 - 110)
2-Fluorophenol	NC,DIL	(13 - 110)
Nitrobenzene-d5	NC,DIL	(32 - 112)
Phenol-d5	NC,DIL	(10 - 113)
Terphenyl-d14	NC,DIL	(10 - 144)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: MW5-070104

TOTAL Metals

Lot-Sample #...: C4G060114-001 Matrix.....: WG
Date Sampled...: 07/01/04 Date Received..: 07/02/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4189027						
Silver	~~0.97 B~~ 5.0 U	5.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AD
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 0.30	
Aluminum	30700 B	200	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AE
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 8.0	
Arsenic	8.7 B J	10.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AF
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 3.3	
Barium	163 B J	200	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AG
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 1.0	
Beryllium	4.0 U ~~0.99 B,J~~	4.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 0.42	
Calcium	470000	5000	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AJ
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 39.5	
Cadmium	1.0 B J	5.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AK
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 0.70	
Cobalt	50.0 U ~~47.5 B~~	50.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AL
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 0.53	
Chromium	291	5.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AM
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 0.93	

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: MW5-070104

TOTAL Metals

Lot-Sample #...: C4G060114-001 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	35.1	25.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AN
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 1.2	
Iron	33400 J	100	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AP
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 18.0	
Potassium	93400 E J	5000	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AQ
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 75.0	
Magnesium	464000	5000	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AR
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 10.2	
Manganese	4560 J	15.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AT
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 0.11	
Sodium	1070000 E	25000	ug/L	SW846 6010B	07/07-07/19/04	GKJLH1AU
		Dilution Factor: 5		Analysis Time..: 18:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 783	
Nickel	153	40.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AV
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 1.2	
Lead	31.1	3.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AW
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 1.6	
Selenium	ND	5.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1AX
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 2.6	
Thallium	ND	10.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1A0
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 4.6	

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: MW5-070104

TOTAL Metals

Lot-Sample #...: C4G060114-001 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	ND	10.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1A1
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 3.2	
Vanadium	70.7	50.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1A2
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 1.0	
Zinc	83.6	20.0	ug/L	SW846 6010B	07/07-07/18/04	GKJLH1A3
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 4189018	MDL.....: 1.7	
Prep Batch #...: 4198230						
Mercury	ND	0.20	ug/L	SW846 7470A	07/16/04	GKJLH1A4
		Dilution Factor: 1		Analysis Time..: 15:47	Analyst ID.....: 400491	
		Instrument ID..: PS200HG		MS Run #.....:	MDL.....: 0.071	

NOTE(S):

B Estimated result. Result is less than RL.

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

E Matrix interference.

RETEC, Peekskill

Available Cyanide

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 1677
Client Name:	THE RETEC GROUP INC	**Lot Number:**	C4G060114
Matrix:	WATER		

NO PREP DIRECT ANALYSIS

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
MW5-070104	C4G060114 001	GKJLH1A5	0.015	mg/L	0.0020	1	7/12/2004 - 7/12/2004 00:00	4194056

RETEC, Peekskill

Cyanide, Total

Lab Name:	STL PITTSBURGH	**Method:**	SW846 9012A
Client Name:	THE RETEC GROUP INC	**Lot Number:**	C4G060114
Matrix:	WATER		

Distillation procedure

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
MW5-070104	C4G060114 001	GKJLH1A6	937	ug/L	50.0	5	7/10/2004 - 7/10/2004 14:17	4192044

THE RETEC GROUP INC

Client Sample ID: SW01 (0-51)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-001	Work Order #...:	GKT9H1AC	Matrix.....:	SO
Date Sampled...:	07/08/04	Date Received..:	07/10/04	MS Run #.....:	4195267
Prep Date.....:	07/13/04	Analysis Date..:	07/13/04		
Prep Batch #...:	4195469	Analysis Time..:	19:58		
Dilution Factor:	1	Initial Wgt/Vol:	5 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	15	Analyst ID.....:	034635	Instrument ID..:	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	24	ug/kg	5.9
Benzene	ND	5.9	ug/kg	0.65
Bromodichloromethane	ND	5.9	ug/kg	0.30
Bromoform	ND	5.9	ug/kg	0.72
~~Bromomethane~~	~~ND R~~	~~5.9~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	5.9	ug/kg	1.7
Carbon disulfide	ND	5.9	ug/kg	0.43
Carbon tetrachloride	ND	5.9	ug/kg	0.30
Chlorobenzene	ND	5.9	ug/kg	1.0
~~Chloroethane~~	~~ND R~~	~~5.9~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.9	ug/kg	0.30
Chloromethane	ND	5.9	ug/kg	0.34
Cyclohexane	ND	5.9	ug/kg	0.45
Dibromochloromethane	ND	5.9	ug/kg	0.31
1,2-Dibromo-3-chloro-propane	ND UJ	5.9	ug/kg	0.55
1,2-Dibromoethane	ND	5.9	ug/kg	0.32
1,3-Dichlorobenzene	ND	5.9	ug/kg	1.1
1,4-Dichlorobenzene	ND	5.9	ug/kg	0.81
1,2-Dichlorobenzene	ND	5.9	ug/kg	1.1
Dichlorodifluoromethane	ND	5.9	ug/kg	0.60
1,1-Dichloroethane	ND	5.9	ug/kg	0.34
1,2-Dichloroethane	ND	5.9	ug/kg	0.36
1,1-Dichloroethene	ND	5.9	ug/kg	0.70
cis-1,2-Dichloroethene	ND	5.9	ug/kg	0.88
trans-1,2-Dichloroethene	ND	5.9	ug/kg	0.77
1,2-Dichloropropane	ND	5.9	ug/kg	0.74
cis-1,3-Dichloropropene	ND	5.9	ug/kg	0.34
trans-1,3-Dichloropropene	ND	5.9	ug/kg	0.33
Ethylbenzene	ND	5.9	ug/kg	1.1
2-Hexanone	ND	5.9	ug/kg	0.96
Isopropylbenzene	ND	5.9	ug/kg	1.3
Methyl acetate	ND UJ	5.9	ug/kg	3.0
Methylene chloride	ND	5.9	ug/kg	1.6
Methylcyclohexane	ND	5.9	ug/kg	0.92
4-Methyl-2-pentanone	ND	5.9	ug/kg	1.0
Methyl tert-butyl ether	ND	5.9	ug/kg	0.48

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THE RETEC GROUP INC

Client Sample ID: SW01 (0-51)

GC/MS Volatiles

Lot-Sample #...: C4G100151-001 **Work Order #...:** GKT9H1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.9	ug/kg	0.95
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	0.53
1,2,4-Trichloro-benzene	ND UJ	5.9	ug/kg	1.6
Tetrachloroethene	ND	5.9	ug/kg	0.91
1,1,1-Trichloroethane	ND	5.9	ug/kg	0.32
1,1,2-Trichloroethane	ND	5.9	ug/kg	0.80
Trichloroethene	ND	5.9	ug/kg	1.0
Trichlorofluoromethane	ND	5.9	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.9	ug/kg	0.41
Toluene	ND	5.9	ug/kg	0.70
Vinyl chloride	ND	5.9	ug/kg	0.78
Xylenes (total)	ND	18	ug/kg	3.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(61 - 130)
Toluene-d8	98	(60 - 143)
4-Bromofluorobenzene	81	(47 - 158)
Dibromofluoromethane	94	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SD01 (30)

GC/MS Volatiles

Lot-Sample #...: C4G100151-002	Work Order #...: GKT9W1AC	Matrix.....: SO	
Date Sampled...: 07/08/04	Date Received..: 07/10/04	MS Run #.....: 4195267	
Prep Date.....: 07/13/04	Analysis Date..: 07/13/04		
Prep Batch #...: 4195469	Analysis Time..: 20:26		
Dilution Factor: 1	Initial Wgt/Vol: 5 g	Final Wgt/Vol..: 5 mL	
% Moisture.....: 18	Analyst ID.....: 034635	Instrument ID..: HP3	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	24	ug/kg	6.1
Benzene	ND	6.1	ug/kg	0.67
Bromodichloromethane	ND	6.1	ug/kg	0.30
Bromoform	ND	6.1	ug/kg	0.74
~~Bromomethane~~	~~ND R~~	~~6.1~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	6.1	ug/kg	1.7
Carbon disulfide	ND	6.1	ug/kg	0.44
Carbon tetrachloride	ND	6.1	ug/kg	0.30
Chlorobenzene	ND	6.1	ug/kg	1.0
~~Chloroethane~~	~~ND R~~	~~6.1~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	6.1	ug/kg	0.30
Chloromethane	ND	6.1	ug/kg	0.35
Cyclohexane	ND	6.1	ug/kg	0.46
Dibromochloromethane	ND	6.1	ug/kg	0.32
1,2-Dibromo-3-chloro-propane	ND UJ	6.1	ug/kg	0.57
1,2-Dibromoethane	ND	6.1	ug/kg	0.33
1,3-Dichlorobenzene	ND	6.1	ug/kg	1.1
1,4-Dichlorobenzene	ND	6.1	ug/kg	0.83
1,2-Dichlorobenzene	ND	6.1	ug/kg	1.1
Dichlorodifluoromethane	ND	6.1	ug/kg	0.62
1,1-Dichloroethane	ND	6.1	ug/kg	0.35
1,2-Dichloroethane	ND	6.1	ug/kg	0.37
1,1-Dichloroethene	ND	6.1	ug/kg	0.72
cis-1,2-Dichloroethene	ND	6.1	ug/kg	0.91
trans-1,2-Dichloroethene	ND	6.1	ug/kg	0.79
1,2-Dichloropropane	ND	6.1	ug/kg	0.76
cis-1,3-Dichloropropene	ND	6.1	ug/kg	0.35
trans-1,3-Dichloropropene	ND	6.1	ug/kg	0.34
Ethylbenzene	ND	6.1	ug/kg	1.1
2-Hexanone	ND	6.1	ug/kg	0.99
Isopropylbenzene	ND	6.1	ug/kg	1.4
Methyl acetate	ND UJ	6.1	ug/kg	3.0
Methylene chloride	ND	6.1	ug/kg	1.6
Methylcyclohexane	ND	6.1	ug/kg	0.95
4-Methyl-2-pentanone	ND	6.1	ug/kg	1.0
Methyl tert-butyl ether	ND	6.1	ug/kg	0.50

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THE RETEC GROUP INC

Client Sample ID: SD01 (30)

GC/MS Volatiles

Lot-Sample #...: C4G100151-002 Work Order #...: GKT9W1AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	6.1	ug/kg	0.97
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg	0.55
1,2,4-Trichloro-benzene	ND UJ	6.1	ug/kg	1.7
Tetrachloroethene	ND	6.1	ug/kg	0.93
1,1,1-Trichloroethane	ND	6.1	ug/kg	0.33
1,1,2-Trichloroethane	ND	6.1	ug/kg	0.83
Trichloroethene	ND	6.1	ug/kg	1.0
Trichlorofluoromethane	ND	6.1	ug/kg	1.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.1	ug/kg	0.42
Toluene	ND	6.1	ug/kg	0.72
Vinyl chloride	ND	6.1	ug/kg	0.80
Xylenes (total)	ND	18	ug/kg	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(61 - 130)
Toluene-d8	96	(60 - 143)
4-Bromofluorobenzene	85	(47 - 158)
Dibromofluoromethane	96	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SW03 (0-62)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-003	Work Order #...:	GKT901AC	Matrix.....:	SO
Date Sampled...:	07/08/04	Date Received..:	07/10/04	MS Run #.....:	4195267
Prep Date.....:	07/13/04	Analysis Date..:	07/13/04		
Prep Batch #...:	4195469	Analysis Time..:	22:19		
Dilution Factor:	1	Initial Wgt/Vol:	5 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	11	Analyst ID.....:	034635	Instrument ID..:	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND U J	23	ug/kg	5.6
Benzene	ND	5.6	ug/kg	0.62
Bromodichloromethane	ND	5.6	ug/kg	0.28
Bromoform	ND	5.6	ug/kg	0.69
~~Bromomethane~~	~~ND R~~	~~5.6~~	~~ug/kg~~	~~1.0~~
2-Butanone	ND	5.6	ug/kg	1.6
Carbon disulfide	ND	5.6	ug/kg	0.41
Carbon tetrachloride	ND	5.6	ug/kg	0.28
Chlorobenzene	ND	5.6	ug/kg	0.96
~~Chloroethane~~	~~ND R~~	~~5.6~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.6	ug/kg	0.28
Chloromethane	ND	5.6	ug/kg	0.32
Cyclohexane	ND	5.6	ug/kg	0.42
Dibromochloromethane	ND	5.6	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND U J	5.6	ug/kg	0.52
1,2-Dibromoethane	ND	5.6	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.6	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.6	ug/kg	0.77
1,2-Dichlorobenzene	ND	5.6	ug/kg	1.0
Dichlorodifluoromethane	ND	5.6	ug/kg	0.57
1,1-Dichloroethane	ND	5.6	ug/kg	0.32
1,2-Dichloroethane	ND	5.6	ug/kg	0.34
1,1-Dichloroethene	ND	5.6	ug/kg	0.66
cis-1,2-Dichloroethene	ND	5.6	ug/kg	0.84
trans-1,2-Dichloroethene	ND	5.6	ug/kg	0.73
1,2-Dichloropropane	ND	5.6	ug/kg	0.71
cis-1,3-Dichloropropene	ND	5.6	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.6	ug/kg	0.31
Ethylbenzene	ND	5.6	ug/kg	1.0
2-Hexanone	ND	5.6	ug/kg	0.92
Isopropylbenzene	ND	5.6	ug/kg	1.3
Methyl acetate	ND U J	5.6	ug/kg	2.8
Methylene chloride	ND	5.6	ug/kg	1.5
Methylcyclohexane	ND	5.6	ug/kg	0.88
4-Methyl-2-pentanone	ND	5.6	ug/kg	0.95
Methyl tert-butyl ether	ND	5.6	ug/kg	0.46

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THE RETEC GROUP INC

Client Sample ID: SW03 (0-62)

GC/MS Volatiles

Lot-Sample #...: C4G100151-003 **Work Order #...:** GKT901AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.6	ug/kg	0.90
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	0.51
1,2,4-Trichloro-benzene	ND UJ	5.6	ug/kg	1.6
Tetrachloroethene	ND	5.6	ug/kg	0.86
1,1,1-Trichloroethane	ND	5.6	ug/kg	0.31
1,1,2-Trichloroethane	ND	5.6	ug/kg	0.76
Trichloroethene	ND	5.6	ug/kg	0.97
Trichlorofluoromethane	ND	5.6	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg	0.39
Toluene	ND	5.6	ug/kg	0.66
Vinyl chloride	ND	5.6	ug/kg	0.74
Xylenes (total)	ND	17	ug/kg	3.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(61 - 130)
Toluene-d8	96	(60 - 143)
4-Bromofluorobenzene	88	(47 - 158)
Dibromofluoromethane	100	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SW04 (0-62)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-004	**Work Order #...:**	GKT911AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/13/04		
Prep Batch #...:	4195469	**Analysis Time..:**	22:47		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	14	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	23	ug/kg	5.8
Benzene	ND	5.8	ug/kg	0.64
Bromodichloromethane	ND	5.8	ug/kg	0.29
Bromoform	ND	5.8	ug/kg	0.71
~~Bromomethane~~	~~ND R~~	~~5.8~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	5.8	ug/kg	1.6
Carbon disulfide	ND	5.8	ug/kg	0.42
Carbon tetrachloride	ND	5.8	ug/kg	0.29
Chlorobenzene	ND	5.8	ug/kg	0.99
~~Chloroethane~~	~~ND R~~	~~5.8~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.8	ug/kg	0.29
Chloromethane	ND	5.8	ug/kg	0.34
Cyclohexane	ND	5.8	ug/kg	0.44
Dibromochloromethane	ND	5.8	ug/kg	0.30
1,2-Dibromo-3-chloro-propane	ND UJ	5.8	ug/kg	0.54
1,2-Dibromoethane	ND	5.8	ug/kg	0.31
1,3-Dichlorobenzene	ND	5.8	ug/kg	1.1
1,4-Dichlorobenzene	ND	5.8	ug/kg	0.80
1,2-Dichlorobenzene	ND	5.8	ug/kg	1.1
Dichlorodifluoromethane	ND	5.8	ug/kg	0.59
1,1-Dichloroethane	ND	5.8	ug/kg	0.34
1,2-Dichloroethane	ND	5.8	ug/kg	0.35
1,1-Dichloroethene	ND	5.8	ug/kg	0.69
cis-1,2-Dichloroethene	ND	5.8	ug/kg	0.87
trans-1,2-Dichloroethene	ND	5.8	ug/kg	0.76
1,2-Dichloropropane	ND	5.8	ug/kg	0.73
cis-1,3-Dichloropropene	ND	5.8	ug/kg	0.34
trans-1,3-Dichloropropene	ND	5.8	ug/kg	0.32
Ethylbenzene	ND	5.8	ug/kg	1.1
2-Hexanone	ND	5.8	ug/kg	0.95
Isopropylbenzene	ND	5.8	ug/kg	1.3
Methyl acetate	ND UJ	5.8	ug/kg	2.9
Methylene chloride	ND	5.8	ug/kg	1.5
Methylcyclohexane	ND	5.8	ug/kg	0.91
4-Methyl-2-pentanone	ND	5.8	ug/kg	0.98
Methyl tert-butyl ether	ND	5.8	ug/kg	0.48

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THE RETEC GROUP INC

Client Sample ID: SW04 (0-62)

GC/MS Volatiles

Lot-Sample #...: C4G100151-004 **Work Order #...:** GKT911AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.8	ug/kg	0.93
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	0.53
1,2,4-Trichloro-benzene	ND UJ	5.8	ug/kg	1.6
Tetrachloroethene	ND	5.8	ug/kg	0.90
1,1,1-Trichloroethane	ND	5.8	ug/kg	0.32
1,1,2-Trichloroethane	ND	5.8	ug/kg	0.79
Trichloroethene	ND	5.8	ug/kg	1.0
Trichlorofluoromethane	ND	5.8	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.8	ug/kg	0.40
Toluene	ND	5.8	ug/kg	0.69
Vinyl chloride	ND	5.8	ug/kg	0.77
Xylenes (total)	ND	18	ug/kg	3.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(61 - 130)
Toluene-d8	93	(60 - 143)
4-Bromofluorobenzene	85	(47 - 158)
Dibromofluoromethane	96	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SW05 (0-57)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-005	**Work Order #...:**	GKT921AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/13/04		
Prep Batch #...:	4195469	**Analysis Time..:**	23:13		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	23	ug/kg	5.6
Benzene	ND	5.6	ug/kg	0.62
Bromodichloromethane	ND	5.6	ug/kg	0.28
Bromoform	ND	5.6	ug/kg	0.69
~~Bromomethane~~	~~ND~~ R	~~5.6~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	5.6	ug/kg	1.6
Carbon disulfide	ND	5.6	ug/kg	0.41
Carbon tetrachloride	ND	5.6	ug/kg	0.28
Chlorobenzene	ND	5.6	ug/kg	0.96
~~Chloroethane~~	~~ND~~ R	~~5.6~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.6	ug/kg	0.28
Chloromethane	ND	5.6	ug/kg	0.32
Cyclohexane	ND	5.6	ug/kg	0.43
Dibromochloromethane	ND	5.6	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND UJ	5.6	ug/kg	0.52
1,2-Dibromoethane	ND	5.6	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.6	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.6	ug/kg	0.77
1,2-Dichlorobenzene	ND	5.6	ug/kg	1.0
Dichlorodifluoromethane	ND	5.6	ug/kg	0.57
1,1-Dichloroethane	ND	5.6	ug/kg	0.32
1,2-Dichloroethane	ND	5.6	ug/kg	0.34
1,1-Dichloroethene	ND	5.6	ug/kg	0.66
cis-1,2-Dichloroethene	ND	5.6	ug/kg	0.84
trans-1,2-Dichloroethene	ND	5.6	ug/kg	0.74
1,2-Dichloropropane	ND	5.6	ug/kg	0.71
cis-1,3-Dichloropropene	ND	5.6	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.6	ug/kg	0.31
Ethylbenzene	ND	5.6	ug/kg	1.1
2-Hexanone	ND	5.6	ug/kg	0.92
Isopropylbenzene	ND	5.6	ug/kg	1.3
Methyl acetate	ND UJ	5.6	ug/kg	2.8
Methylene chloride	ND	5.6	ug/kg	1.5
Methylcyclohexane	ND	5.6	ug/kg	0.88
4-Methyl-2-pentanone	ND	5.6	ug/kg	0.95
Methyl tert-butyl ether	ND	5.6	ug/kg	0.46

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THE RETEC GROUP INC

Client Sample ID: SW05 (0-57)

GC/MS Volatiles

Lot-Sample #...: C4G100151-005 Work Order #...: GKT921AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.6	ug/kg	0.90
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	0.51
1,2,4-Trichloro-benzene	ND UJ	5.6	ug/kg	1.6
Tetrachloroethene	ND	5.6	ug/kg	0.87
1,1,1-Trichloroethane	ND	5.6	ug/kg	0.31
1,1,2-Trichloroethane	ND	5.6	ug/kg	0.77
Trichloroethene	ND	5.6	ug/kg	0.97
Trichlorofluoromethane	ND	5.6	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg	0.39
Toluene	ND	5.6	ug/kg	0.67
Vinyl chloride	ND	5.6	ug/kg	0.74
Xylenes (total)	ND	17	ug/kg	3.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(61 - 130)
Toluene-d8	95	(60 - 143)
4-Bromofluorobenzene	86	(47 - 158)
Dibromofluoromethane	100	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SW06 (40-90)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-006	Work Order #...:	GKT961AC	Matrix.....:	SO
Date Sampled...:	07/08/04	Date Received..:	07/10/04	MS Run #.....:	4201275
Prep Date.....:	07/19/04	Analysis Date..:	07/19/04		
Prep Batch #...:	4201471	Analysis Time..:	13:33		
Dilution Factor:	1	Initial Wgt/Vol:	5 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	18	Analyst ID.....:	034635	Instrument ID..:	HP5
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1200	ug/kg	300
Benzene	ND	300	ug/kg	35
Bromodichloromethane	ND	300	ug/kg	28
Bromoform	ND	300	ug/kg	26
Bromomethane	ND	300	ug/kg	55
2-Butanone	ND	300	ug/kg	210
Carbon disulfide	ND	300	ug/kg	69
Carbon tetrachloride	ND	300	ug/kg	41
Chlorobenzene	ND	300	ug/kg	34
Chloroethane	ND	300	ug/kg	44
Chloroform	ND	300	ug/kg	38
Chloromethane	ND	300	ug/kg	50
Cyclohexane	ND	300	ug/kg	48
Dibromochloromethane	ND	300	ug/kg	35
1,2-Dibromo-3-chloro-propane	ND	300	ug/kg	73
1,2-Dibromoethane	ND	300	ug/kg	33
1,3-Dichlorobenzene	ND	300	ug/kg	35
1,4-Dichlorobenzene	ND	300	ug/kg	38
1,2-Dichlorobenzene	ND	300	ug/kg	37
Dichlorodifluoromethane	ND	300	ug/kg	56
1,1-Dichloroethane	ND	300	ug/kg	39
1,2-Dichloroethane	ND	300	ug/kg	33
1,1-Dichloroethene	ND	300	ug/kg	54
cis-1,2-Dichloroethene	ND	300	ug/kg	41
trans-1,2-Dichloroethene	ND	300	ug/kg	44
1,2-Dichloropropane	ND	300	ug/kg	44
cis-1,3-Dichloropropene	ND	300	ug/kg	38
trans-1,3-Dichloropropene	ND	300	ug/kg	28
Ethylbenzene	**3800 J**	**300**	**ug/kg**	**37**
2-Hexanone	ND	300	ug/kg	72
Isopropylbenzene	**1600 J**	**300**	**ug/kg**	**40**
Methyl acetate	ND	300	ug/kg	80
Methylene chloride	ND	300	ug/kg	81
Methylcyclohexane	**87 J**	**300**	**ug/kg**	**43**
4-Methyl-2-pentanone	ND	300	ug/kg	89
Methyl tert-butyl ether	ND	300	ug/kg	30

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THE RETEC GROUP INC

Client Sample ID: SW06 (40-90)

GC/MS Volatiles

Lot-Sample #...: C4G100151-006 **Work Order #...:** GKT961AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	300	ug/kg	32
1,1,2,2-Tetrachloroethane	ND	300	ug/kg	43
1,2,4-Trichloro-benzene	ND	300	ug/kg	55
Tetrachloroethene	ND	300	ug/kg	98
1,1,1-Trichloroethane	ND	300	ug/kg	40
1,1,2-Trichloroethane	ND	300	ug/kg	36
Trichloroethene	ND	300	ug/kg	35
Trichlorofluoromethane	ND	300	ug/kg	75
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	300	ug/kg	61
Toluene	**95 J**	**300**	**ug/kg**	**35**
Vinyl chloride	ND	300	ug/kg	45
Xylenes (total)	**19000 J**	**910**	**ug/kg**	**110**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	75	(61 - 130)
Toluene-d8	69	(60 - 143)
4-Bromofluorobenzene	169 *	(47 - 158)
Dibromofluoromethane	74	(59 - 138)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Report the data from the original 13:33 hrs. run.

GAM 09/14/04

THE RETEC GROUP INC

Client Sample ID: SW06 (40-90)

GC/MS Volatiles

Lot-Sample #...: C4G100151-006	**Work Order #...:** GKT962AC	**Matrix.....:** SO
Date Sampled...: 07/08/04	**Date Received..:** 07/10/04	**MS Run #.....:** 4201275
Prep Date.....: 07/19/04	**Analysis Date..:** 07/19/04	
Prep Batch #...: 4201471	**Analysis Time..:** 14:40	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 g	**Final Wgt/Vol..:** 5 mL
% Moisture.....: 18	**Analyst ID.....:** 034635	**Instrument ID..:** HP5
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1200	ug/kg	300
Benzene	ND	300	ug/kg	35
Bromodichloromethane	ND	300	ug/kg	28
Bromoform	ND	300	ug/kg	26
Bromomethane	ND	300	ug/kg	55
2-Butanone	ND	300	ug/kg	210
Carbon disulfide	ND	300	ug/kg	69
Carbon tetrachloride	ND	300	ug/kg	41
Chlorobenzene	ND	300	ug/kg	34
Chloroethane	ND	300	ug/kg	44
Chloroform	ND	300	ug/kg	38
Chloromethane	ND	300	ug/kg	50
Cyclohexane	ND	300	ug/kg	48
Dibromochloromethane	ND	300	ug/kg	35
1,2-Dibromo-3-chloro-propane	ND	300	ug/kg	73
1,2-Dibromoethane	ND	300	ug/kg	33
1,3-Dichlorobenzene	ND	300	ug/kg	35
1,4-Dichlorobenzene	ND	300	ug/kg	38
1,2-Dichlorobenzene	ND	300	ug/kg	37
Dichlorodifluoromethane	ND	300	ug/kg	56
1,1-Dichloroethane	ND	300	ug/kg	39
1,2-Dichloroethane	ND	300	ug/kg	33
1,1-Dichloroethene	ND	300	ug/kg	54
cis-1,2-Dichloroethene	ND	300	ug/kg	41
trans-1,2-Dichloroethene	ND	300	ug/kg	44
1,2-Dichloropropane	ND	300	ug/kg	44
cis-1,3-Dichloropropene	ND	300	ug/kg	38
trans-1,3-Dichloropropene	ND	300	ug/kg	28
Ethylbenzene	**2800**	**300**	**ug/kg**	**37**
2-Hexanone	ND	300	ug/kg	72
Isopropylbenzene	**1200**	**300**	**ug/kg**	**40**
Methyl acetate	ND	300	ug/kg	80
Methylene chloride	ND	300	ug/kg	81
Methylcyclohexane	**61 J**	**300**	**ug/kg**	**43**
4-Methyl-2-pentanone	ND	300	ug/kg	89
Methyl tert-butyl ether	ND	300	ug/kg	30

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THE RETEC GROUP INC

Client Sample ID: SW06 (40-90)

GC/MS Volatiles

Lot-Sample #...: C4G100151-006 Work Order #...: GKT962AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	300	ug/kg	32
1,1,2,2-Tetrachloroethane	ND	300	ug/kg	43
1,2,4-Trichloro-benzene	ND	300	ug/kg	55
Tetrachloroethene	ND	300	ug/kg	98
1,1,1-Trichloroethane	ND	300	ug/kg	40
1,1,2-Trichloroethane	ND	300	ug/kg	36
Trichloroethene	ND	300	ug/kg	35
Trichlorofluoromethane	ND	300	ug/kg	75
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	300	ug/kg	61
Toluene	**69 J**	**300**	**ug/kg**	**35**
Vinyl chloride	ND	300	ug/kg	45
Xylenes (total)	**13000**	**910**	**ug/kg**	**110**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(61 - 130)
Toluene-d8	76	(60 - 143)
4-Bromofluorobenzene	163 *	(47 - 158)
Dibromofluoromethane	86	(59 - 138)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW07 (0-47)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-007	**Work Order #...:**	GKT991AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/13/04		
Prep Batch #...:	4195469	**Analysis Time..:**	23:39		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	20	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	25	ug/kg	6.3
Benzene	ND	6.3	ug/kg	0.68
Bromodichloromethane	ND	6.3	ug/kg	0.31
Bromoform	ND	6.3	ug/kg	0.77
~~Bromomethane~~	~~ND R~~	~~6.3~~	~~ug/kg~~	~~1.2~~
2-Butanone	ND	6.3	ug/kg	1.8
Carbon disulfide	ND	6.3	ug/kg	0.45
Carbon tetrachloride	ND	6.3	ug/kg	0.31
Chlorobenzene	ND	6.3	ug/kg	1.1
~~Chloroethane~~	~~ND R~~	~~6.3~~	~~ug/kg~~	~~1.2~~
Chloroform	ND	6.3	ug/kg	0.31
Chloromethane	ND	6.3	ug/kg	0.36
Cyclohexane	ND	6.3	ug/kg	0.47
Dibromochloromethane	ND	6.3	ug/kg	0.33
1,2-Dibromo-3-chloro-propane	ND UJ	6.3	ug/kg	0.58
1,2-Dibromoethane	ND	6.3	ug/kg	0.34
1,3-Dichlorobenzene	ND	6.3	ug/kg	1.1
1,4-Dichlorobenzene	ND	6.3	ug/kg	0.86
1,2-Dichlorobenzene	ND	6.3	ug/kg	1.2
Dichlorodifluoromethane	ND	6.3	ug/kg	0.63
1,1-Dichloroethane	ND	6.3	ug/kg	0.36
1,2-Dichloroethane	ND	6.3	ug/kg	0.38
1,1-Dichloroethene	ND	6.3	ug/kg	0.74
cis-1,2-Dichloroethene	ND	6.3	ug/kg	0.94
trans-1,2-Dichloroethene	ND	6.3	ug/kg	0.82
1,2-Dichloropropane	ND	6.3	ug/kg	0.79
cis-1,3-Dichloropropene	ND	6.3	ug/kg	0.36
trans-1,3-Dichloropropene	ND	6.3	ug/kg	0.35
Ethylbenzene	**31**	**6.3**	**ug/kg**	**1.2**
2-Hexanone	ND	6.3	ug/kg	1.0
Isopropylbenzene	**6.2 J**	**6.3**	**ug/kg**	**1.4**
Methyl acetate	ND UJ	6.3	ug/kg	3.1
Methylene chloride	ND	6.3	ug/kg	1.7
Methylcyclohexane	**2.6 J**	**6.3**	**ug/kg**	**0.98**
4-Methyl-2-pentanone	ND	6.3	ug/kg	1.1
Methyl tert-butyl ether	ND	6.3	ug/kg	0.51

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THE RETEC GROUP INC

Client Sample ID: SW07 (0-47)

GC/MS Volatiles

Lot-Sample #...: C4G100151-007 **Work Order #...:** GKT991AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	6.3	ug/kg	1.0
1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg	0.56
1,2,4-Trichloro-benzene	ND UJ	6.3	ug/kg	1.7
Tetrachloroethene	ND	6.3	ug/kg	0.96
1,1,1-Trichloroethane	ND	6.3	ug/kg	0.34
1,1,2-Trichloroethane	ND	6.3	ug/kg	0.85
Trichloroethene	ND	6.3	ug/kg	1.1
Trichlorofluoromethane	ND	6.3	ug/kg	1.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.3	ug/kg	0.43
Toluene	**2.8 J**	**6.3**	**ug/kg**	**0.74**
Vinyl chloride	ND	6.3	ug/kg	0.82
Xylenes (total)	**150**	**19**	**ug/kg**	**3.4**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	90	(61 - 130)
Toluene-d8	93	(60 - 143)
4-Bromofluorobenzene	97	(47 - 158)
Dibromofluoromethane	97	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW08 (0-51)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-008	**Work Order #...:**	GKVAE1AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4195469	**Analysis Time..:**	00:07		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	24	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	26	ug/kg	6.5
Benzene	ND	6.5	ug/kg	0.72
Bromodichloromethane	ND	6.5	ug/kg	0.33
Bromoform	ND	6.5	ug/kg	0.80
~~Bromomethane~~	~~ND R~~	~~6.5~~	~~ug/kg~~	~~1.2~~
2-Butanone	ND	6.5	ug/kg	1.8
Carbon disulfide	ND	6.5	ug/kg	0.47
Carbon tetrachloride	ND	6.5	ug/kg	0.33
Chlorobenzene	ND	6.5	ug/kg	1.1
~~Chloroethane~~	~~ND R~~	~~6.5~~	~~ug/kg~~	~~1.2~~
Chloroform	ND	6.5	ug/kg	0.33
Chloromethane	ND	6.5	ug/kg	0.38
Cyclohexane	ND	6.5	ug/kg	0.49
Dibromochloromethane	ND	6.5	ug/kg	0.34
1,2-Dibromo-3-chloro-propane	ND UJ	6.5	ug/kg	0.61
1,2-Dibromoethane	ND	6.5	ug/kg	0.35
1,3-Dichlorobenzene	ND	6.5	ug/kg	1.2
1,4-Dichlorobenzene	ND	6.5	ug/kg	0.89
1,2-Dichlorobenzene	ND	6.5	ug/kg	1.2
Dichlorodifluoromethane	ND	6.5	ug/kg	0.66
1,1-Dichloroethane	ND	6.5	ug/kg	0.38
1,2-Dichloroethane	ND	6.5	ug/kg	0.40
1,1-Dichloroethene	ND	6.5	ug/kg	0.77
cis-1,2-Dichloroethene	ND	6.5	ug/kg	0.98
trans-1,2-Dichloroethene	ND	6.5	ug/kg	0.85
1,2-Dichloropropane	ND	6.5	ug/kg	0.82
cis-1,3-Dichloropropene	ND	6.5	ug/kg	0.38
trans-1,3-Dichloropropene	ND	6.5	ug/kg	0.36
Ethylbenzene	**8.4**	**6.5**	**ug/kg**	**1.2**
2-Hexanone	ND	6.5	ug/kg	1.1
Isopropylbenzene	ND	6.5	ug/kg	1.5
Methyl acetate	ND UJ	6.5	ug/kg	3.3
Methylene chloride	ND	6.5	ug/kg	1.7
Methylcyclohexane	**1.3 J**	**6.5**	**ug/kg**	**1.0**
4-Methyl-2-pentanone	ND	6.5	ug/kg	1.1
Methyl tert-butyl ether	ND	6.5	ug/kg	0.54

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THE RETEC GROUP INC

Client Sample ID: SW08 (0-51)

GC/MS Volatiles

Lot-Sample #...: C4G100151-008 **Work Order #...:** GKVAE1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	6.5	ug/kg	1.0
1,1,2,2-Tetrachloroethane	ND	6.5	ug/kg	0.59
1,2,4-Trichloro-benzene	ND UJ	6.5	ug/kg	1.8
Tetrachloroethene	ND	6.5	ug/kg	1.0
1,1,1-Trichloroethane	ND	6.5	ug/kg	0.36
1,1,2-Trichloroethane	ND	6.5	ug/kg	0.89
Trichloroethene	ND	6.5	ug/kg	1.1
Trichlorofluoromethane	ND	6.5	ug/kg	1.6
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.5	ug/kg	0.45
Toluene	**0.87 J**	**6.5**	**ug/kg**	**0.77**
Vinyl chloride	ND	6.5	ug/kg	0.86
Xylenes (total)	**42**	**20**	**ug/kg**	**3.6**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(61 - 130)
Toluene-d8	91	(60 - 143)
4-Bromofluorobenzene	92	(47 - 158)
Dibromofluoromethane	94	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW09 (0-51)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-009	**Work Order #...:**	GKVAK1AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4195469	**Analysis Time..:**	00:34		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	22	ug/kg	5.6
Benzene	ND	5.6	ug/kg	0.61
Bromodichloromethane	ND	5.6	ug/kg	0.28
Bromoform	ND	5.6	ug/kg	0.69
~~Bromomethane~~	~~ND R~~	~~5.6~~	~~ug/kg~~	~~1.0~~
2-Butanone	ND	5.6	ug/kg	1.6
Carbon disulfide	ND	5.6	ug/kg	0.40
Carbon tetrachloride	ND	5.6	ug/kg	0.28
Chlorobenzene	ND	5.6	ug/kg	0.95
~~Chloroethane~~	~~ND R~~	~~5.6~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.6	ug/kg	0.28
Chloromethane	ND	5.6	ug/kg	0.32
Cyclohexane	ND	5.6	ug/kg	0.42
Dibromochloromethane	ND	5.6	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND UJ	5.6	ug/kg	0.52
1,2-Dibromoethane	ND	5.6	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.6	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.6	ug/kg	0.77
1,2-Dichlorobenzene	ND	5.6	ug/kg	1.0
Dichlorodifluoromethane	ND	5.6	ug/kg	0.57
1,1-Dichloroethane	ND	5.6	ug/kg	0.32
1,2-Dichloroethane	ND	5.6	ug/kg	0.34
1,1-Dichloroethene	ND	5.6	ug/kg	0.66
cis-1,2-Dichloroethene	ND	5.6	ug/kg	0.84
trans-1,2-Dichloroethene	ND	5.6	ug/kg	0.73
1,2-Dichloropropane	ND	5.6	ug/kg	0.70
cis-1,3-Dichloropropene	ND	5.6	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.6	ug/kg	0.31
Ethylbenzene	**34**	**5.6**	**ug/kg**	**1.0**
2-Hexanone	ND	5.6	ug/kg	0.91
Isopropylbenzene	**5.9**	**5.6**	**ug/kg**	**1.3**
Methyl acetate	ND UJ	5.6	ug/kg	2.8
Methylene chloride	ND	5.6	ug/kg	1.5
Methylcyclohexane	**4.7 J**	**5.6**	**ug/kg**	**0.88**
4-Methyl-2-pentanone	ND	5.6	ug/kg	0.94
Methyl tert-butyl ether	ND	5.6	ug/kg	0.46

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THE RETEC GROUP INC

Client Sample ID: SW09 (0-51)

GC/MS Volatiles

Lot-Sample #...: C4G100151-009 **Work Order #...:** GKVAK1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.6	ug/kg	0.90
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	0.50
1,2,4-Trichloro-benzene	ND UJ	5.6	ug/kg	1.5
Tetrachloroethene	ND	5.6	ug/kg	0.86
1,1,1-Trichloroethane	ND	5.6	ug/kg	0.30
1,1,2-Trichloroethane	ND	5.6	ug/kg	0.76
Trichloroethene	ND	5.6	ug/kg	0.97
Trichlorofluoromethane	ND	5.6	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg	0.39
Toluene	**3.4 J**	**5.6**	**ug/kg**	**0.66**
Vinyl chloride	ND	5.6	ug/kg	0.74
Xylenes (total)	**140**	**17**	**ug/kg**	**3.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	87	(61 - 130)
Toluene-d8	94	(60 - 143)
4-Bromofluorobenzene	96	(47 - 158)
Dibromofluoromethane	95	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB01 (51)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-010	Work Order #...:	GKVAQ1AC	Matrix.....:	SO
Date Sampled...:	07/08/04	Date Received..:	07/10/04	MS Run #.....:	4198060
Prep Date.....:	07/16/04	Analysis Date..:	07/16/04		
Prep Batch #...:	4198116	Analysis Time..:	13:03		
Dilution Factor:	1	Initial Wgt/Vol:	5 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	13	Analyst ID.....:	010099	Instrument ID..:	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	23	ug/kg	5.8
Benzene	ND	5.8	ug/kg	0.63
Bromodichloromethane	ND	5.8	ug/kg	0.29
Bromoform	ND	5.8	ug/kg	0.70
Bromomethane	ND	5.8	ug/kg	1.1
2-Butanone	ND UJ	5.8	ug/kg	1.6
Carbon disulfide	ND	5.8	ug/kg	0.42
Carbon tetrachloride	ND	5.8	ug/kg	0.29
Chlorobenzene	ND	5.8	ug/kg	0.98
Chloroethane	ND R	5.8	ug/kg	1.1
Chloroform	ND	5.8	ug/kg	0.29
Chloromethane	ND	5.8	ug/kg	0.33
Cyclohexane	ND	5.8	ug/kg	0.44
Dibromochloromethane	ND	5.8	ug/kg	0.30
1,2-Dibromo-3-chloro-propane	ND	5.8	ug/kg	0.54
1,2-Dibromoethane	ND	5.8	ug/kg	0.31
1,3-Dichlorobenzene	ND	5.8	ug/kg	1.1
1,4-Dichlorobenzene	ND	5.8	ug/kg	0.79
1,2-Dichlorobenzene	ND	5.8	ug/kg	1.1
Dichlorodifluoromethane	ND	5.8	ug/kg	0.58
1,1-Dichloroethane	ND	5.8	ug/kg	0.33
1,2-Dichloroethane	ND	5.8	ug/kg	0.35
1,1-Dichloroethene	ND	5.8	ug/kg	0.68
cis-1,2-Dichloroethene	ND	5.8	ug/kg	0.86
trans-1,2-Dichloroethene	ND	5.8	ug/kg	0.75
1,2-Dichloropropane	ND	5.8	ug/kg	0.72
cis-1,3-Dichloropropene	ND	5.8	ug/kg	0.33
trans-1,3-Dichloropropene	ND	5.8	ug/kg	0.32
Ethylbenzene	ND	5.8	ug/kg	1.1
2-Hexanone	ND UJ	5.8	ug/kg	0.94
Isopropylbenzene	ND	5.8	ug/kg	1.3
Methyl acetate	ND UJ	5.8	ug/kg	2.9
Methylene chloride	ND	5.8	ug/kg	1.5
Methylcyclohexane	ND	5.8	ug/kg	0.90
4-Methyl-2-pentanone	ND	5.8	ug/kg	0.97
Methyl tert-butyl ether	ND	5.8	ug/kg	0.47

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THE RETEC GROUP INC

Client Sample ID: SB01 (51)

GC/MS Volatiles

Lot-Sample #...: C4G100151-010 **Work Order #...:** GKVAQ1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.8	ug/kg	0.92
1,1,2,2-Tetrachloroethane	ND UJ	5.8	ug/kg	0.52
1,2,4-Trichloro-benzene	ND	5.8	ug/kg	1.6
Tetrachloroethene	ND	5.8	ug/kg	0.88
1,1,1-Trichloroethane	ND	5.8	ug/kg	0.31
1,1,2-Trichloroethane	ND	5.8	ug/kg	0.78
Trichloroethene	ND	5.8	ug/kg	0.99
Trichlorofluoromethane	ND	5.8	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.8	ug/kg	0.40
Toluene	ND	5.8	ug/kg	0.68
Vinyl chloride	ND	5.8	ug/kg	0.76
Xylenes (total)	ND	17	ug/kg	3.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	70	(61 - 130)
Toluene-d8	100	(60 - 143)
4-Bromofluorobenzene	92	(47 - 158)
Dibromofluoromethane	94	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SB02 (40)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-011	**Work Order #...:**	GKVAW1AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4195469	**Analysis Time..:**	01:02		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	19	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	25	ug/kg	6.2
Benzene	ND	6.2	ug/kg	0.68
Bromodichloromethane	ND	6.2	ug/kg	0.31
Bromoform	ND	6.2	ug/kg	0.76
~~Bromomethane~~	~~ND~~ R	~~6.2~~	~~ug/kg~~	~~1.2~~
2-Butanone	ND	6.2	ug/kg	1.7
Carbon disulfide	ND	6.2	ug/kg	0.45
Carbon tetrachloride	ND	6.2	ug/kg	0.31
Chlorobenzene	ND	6.2	ug/kg	1.1
~~Chloroethane~~	~~ND~~ R	~~6.2~~	~~ug/kg~~	~~1.2~~
Chloroform	ND	6.2	ug/kg	0.31
Chloromethane	ND	6.2	ug/kg	0.36
Cyclohexane	ND	6.2	ug/kg	0.47
Dibromochloromethane	ND	6.2	ug/kg	0.32
1,2-Dibromo-3-chloro-propane	ND UJ	6.2	ug/kg	0.58
1,2-Dibromoethane	ND	6.2	ug/kg	0.33
1,3-Dichlorobenzene	ND	6.2	ug/kg	1.1
1,4-Dichlorobenzene	ND	6.2	ug/kg	0.85
1,2-Dichlorobenzene	ND	6.2	ug/kg	1.2
Dichlorodifluoromethane	ND	6.2	ug/kg	0.63
1,1-Dichloroethane	ND	6.2	ug/kg	0.36
1,2-Dichloroethane	ND	6.2	ug/kg	0.38
1,1-Dichloroethene	ND	6.2	ug/kg	0.73
cis-1,2-Dichloroethene	ND	6.2	ug/kg	0.93
trans-1,2-Dichloroethene	ND	6.2	ug/kg	0.81
1,2-Dichloropropane	ND	6.2	ug/kg	0.78
cis-1,3-Dichloropropene	ND	6.2	ug/kg	0.36
trans-1,3-Dichloropropene	ND	6.2	ug/kg	0.34
Ethylbenzene	ND	6.2	ug/kg	1.2
2-Hexanone	ND	6.2	ug/kg	1.0
Isopropylbenzene	ND	6.2	ug/kg	1.4
Methyl acetate	ND UJ	6.2	ug/kg	3.1
Methylene chloride	ND	6.2	ug/kg	1.6
Methylcyclohexane	ND	6.2	ug/kg	0.97
4-Methyl-2-pentanone	ND	6.2	ug/kg	1.0
Methyl tert-butyl ether	ND	6.2	ug/kg	0.51

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THE RETEC GROUP INC

Client Sample ID: SB02 (40)

GC/MS Volatiles

Lot-Sample #...: C4G100151-011 **Work Order #...:** GKVAW1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	6.2	ug/kg	0.99
1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg	0.56
1,2,4-Trichloro-benzene	ND UJ	6.2	ug/kg	1.7
Tetrachloroethene	ND	6.2	ug/kg	0.95
1,1,1-Trichloroethane	ND	6.2	ug/kg	0.34
1,1,2-Trichloroethane	ND	6.2	ug/kg	0.84
Trichloroethene	ND	6.2	ug/kg	1.1
Trichlorofluoromethane	ND	6.2	ug/kg	1.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.2	ug/kg	0.43
Toluene	ND	6.2	ug/kg	0.73
Vinyl chloride	ND	6.2	ug/kg	0.82
Xylenes (total)	ND	19	ug/kg	3.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(61 - 130)
Toluene-d8	94	(60 - 143)
4-Bromofluorobenzene	89	(47 - 158)
Dibromofluoromethane	96	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SB03 (51)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-012	Work Order #...:	GKVCA1AC	Matrix.....:	SO
Date Sampled...:	07/08/04	Date Received..:	07/10/04	MS Run #.....:	4195267
Prep Date.....:	07/13/04	Analysis Date..:	07/14/04		
Prep Batch #...:	4195469	Analysis Time..:	01:29		
Dilution Factor:	1	Initial Wgt/Vol:	5 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	13	Analyst ID.....:	034635	Instrument ID..:	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	23	ug/kg	5.8
Benzene	ND	5.8	ug/kg	0.63
Bromodichloromethane	ND	5.8	ug/kg	0.29
Bromoform	ND	5.8	ug/kg	0.71
~~Bromomethane~~	~~ND R~~	~~5.8~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	5.8	ug/kg	1.6
Carbon disulfide	ND	5.8	ug/kg	0.42
Carbon tetrachloride	ND	5.8	ug/kg	0.29
Chlorobenzene	ND	5.8	ug/kg	0.98
~~Chloroethane~~	~~ND R~~	~~5.8~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.8	ug/kg	0.29
Chloromethane	ND	5.8	ug/kg	0.33
Cyclohexane	ND	5.8	ug/kg	0.44
Dibromochloromethane	ND	5.8	ug/kg	0.30
1,2-Dibromo-3-chloro-propane	ND UJ	5.8	ug/kg	0.54
1,2-Dibromoethane	ND	5.8	ug/kg	0.31
1,3-Dichlorobenzene	ND	5.8	ug/kg	1.1
1,4-Dichlorobenzene	ND	5.8	ug/kg	0.79
1,2-Dichlorobenzene	ND	5.8	ug/kg	1.1
Dichlorodifluoromethane	ND	5.8	ug/kg	0.58
1,1-Dichloroethane	ND	5.8	ug/kg	0.33
1,2-Dichloroethane	ND	5.8	ug/kg	0.35
1,1-Dichloroethene	ND	5.8	ug/kg	0.68
cis-1,2-Dichloroethene	ND	5.8	ug/kg	0.86
trans-1,2-Dichloroethene	ND	5.8	ug/kg	0.75
1,2-Dichloropropane	ND	5.8	ug/kg	0.72
cis-1,3-Dichloropropene	ND	5.8	ug/kg	0.33
trans-1,3-Dichloropropene	ND	5.8	ug/kg	0.32
Ethylbenzene	ND	5.8	ug/kg	1.1
2-Hexanone	ND	5.8	ug/kg	0.94
Isopropylbenzene	ND	5.8	ug/kg	1.3
Methyl acetate	ND UJ	5.8	ug/kg	2.9
Methylene chloride	ND	5.8	ug/kg	1.5
Methylcyclohexane	ND	5.8	ug/kg	0.90
4-Methyl-2-pentanone	ND	5.8	ug/kg	0.97
Methyl tert-butyl ether	ND	5.8	ug/kg	0.47

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THE RETEC GROUP INC

Client Sample ID: SB03 (51)

GC/MS Volatiles

Lot-Sample #...: C4G100151-012 Work Order #...: GKVCA1AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.8	ug/kg	0.92
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	0.52
1,2,4-Trichloro-benzene	ND UJ	5.8	ug/kg	1.6
Tetrachloroethene	ND	5.8	ug/kg	0.89
1,1,1-Trichloroethane	ND	5.8	ug/kg	0.31
1,1,2-Trichloroethane	ND	5.8	ug/kg	0.78
Trichloroethene	ND	5.8	ug/kg	0.99
Trichlorofluoromethane	ND	5.8	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.8	ug/kg	0.40
Toluene	ND	5.8	ug/kg	0.68
Vinyl chloride	ND	5.8	ug/kg	0.76
Xylenes (total)	ND	17	ug/kg	3.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	91	(61 - 130)
Toluene-d8	93	(60 - 143)
4-Bromofluorobenzene	91	(47 - 158)
Dibromofluoromethane	99	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SB04 (51)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-013	**Work Order #...:**	GKVCH1AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4198060
Prep Date.....:	07/16/04	**Analysis Date..:**	07/16/04		
Prep Batch #...:	4198116	**Analysis Time..:**	12:41		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	7.1	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	22	ug/kg	5.4
Benzene	ND	5.4	ug/kg	0.59
Bromodichloromethane	ND	5.4	ug/kg	0.27
Bromoform	ND	5.4	ug/kg	0.66
Bromomethane	ND	5.4	ug/kg	1.0
2-Butanone	ND UJ	5.4	ug/kg	1.5
Carbon disulfide	ND	5.4	ug/kg	0.39
Carbon tetrachloride	ND	5.4	ug/kg	0.27
Chlorobenzene	ND	5.4	ug/kg	0.92
Chloroethane	ND R	5.4	ug/kg	1.0
Chloroform	ND	5.4	ug/kg	0.27
Chloromethane	ND	5.4	ug/kg	0.31
Cyclohexane	ND	5.4	ug/kg	0.41
Dibromochloromethane	ND	5.4	ug/kg	0.28
1,2-Dibromo-3-chloro-propane	ND	5.4	ug/kg	0.50
1,2-Dibromoethane	ND	5.4	ug/kg	0.29
1,3-Dichlorobenzene	ND	5.4	ug/kg	0.98
1,4-Dichlorobenzene	ND	5.4	ug/kg	0.74
1,2-Dichlorobenzene	ND	5.4	ug/kg	1.0
Dichlorodifluoromethane	ND	5.4	ug/kg	0.54
1,1-Dichloroethane	ND	5.4	ug/kg	0.31
1,2-Dichloroethane	ND	5.4	ug/kg	0.33
1,1-Dichloroethene	ND	5.4	ug/kg	0.63
cis-1,2-Dichloroethene	ND	5.4	ug/kg	0.80
trans-1,2-Dichloroethene	ND	5.4	ug/kg	0.70
1,2-Dichloropropane	ND	5.4	ug/kg	0.67
cis-1,3-Dichloropropene	ND	5.4	ug/kg	0.31
trans-1,3-Dichloropropene	ND	5.4	ug/kg	0.30
Ethylbenzene	ND	5.4	ug/kg	1.0
2-Hexanone	ND UJ	5.4	ug/kg	0.88
Isopropylbenzene	ND	5.4	ug/kg	1.2
Methyl acetate	ND UJ	5.4	ug/kg	2.7
Methylene chloride	ND	5.4	ug/kg	1.4
Methylcyclohexane	ND	5.4	ug/kg	0.84
4-Methyl-2-pentanone	ND	5.4	ug/kg	0.91
Methyl tert-butyl ether	ND	5.4	ug/kg	0.44

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THE RETEC GROUP INC

Client Sample ID: SB04 (51)

GC/MS Volatiles

Lot-Sample #...: C4G100151-013 **Work Order #...:** GKVCH1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.4	ug/kg	0.86
1,1,2,2-Tetrachloroethane	ND UJ	5.4	ug/kg	0.48
1,2,4-Trichloro-benzene	ND	5.4	ug/kg	1.5
Tetrachloroethene	ND	5.4	ug/kg	0.83
1,1,1-Trichloroethane	ND	5.4	ug/kg	0.29
1,1,2-Trichloroethane	ND	5.4	ug/kg	0.73
Trichloroethene	ND	5.4	ug/kg	0.93
Trichlorofluoromethane	ND	5.4	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.4	ug/kg	0.37
Toluene	ND	5.4	ug/kg	0.64
Vinyl chloride	ND	5.4	ug/kg	0.71
Xylenes (total)	ND	16	ug/kg	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	67	(61 - 130)
Toluene-d8	109	(60 - 143)
4-Bromofluorobenzene	102	(47 - 158)
Dibromofluoromethane	94	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SB05 (72)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-014	**Work Order #...:**	GKVCM1AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4195469	**Analysis Time..:**	01:57		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	23	ug/kg	5.6
Benzene	ND	5.6	ug/kg	0.62
Bromodichloromethane	ND	5.6	ug/kg	0.28
Bromoform	ND	5.6	ug/kg	0.69
~~Bromomethane~~	~~ND R~~	~~5.6~~	~~ug/kg~~	~~1.0~~
2-Butanone	ND	5.6	ug/kg	1.6
Carbon disulfide	ND	5.6	ug/kg	0.41
Carbon tetrachloride	ND	5.6	ug/kg	0.28
Chlorobenzene	ND	5.6	ug/kg	0.96
~~Chloroethane~~	~~ND R~~	~~5.6~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.6	ug/kg	0.28
Chloromethane	ND	5.6	ug/kg	0.32
Cyclohexane	ND	5.6	ug/kg	0.42
Dibromochloromethane	ND	5.6	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND UJ	5.6	ug/kg	0.52
1,2-Dibromoethane	ND	5.6	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.6	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.6	ug/kg	0.77
1,2-Dichlorobenzene	ND	5.6	ug/kg	1.0
Dichlorodifluoromethane	ND	5.6	ug/kg	0.57
1,1-Dichloroethane	ND	5.6	ug/kg	0.32
1,2-Dichloroethane	ND	5.6	ug/kg	0.34
1,1-Dichloroethene	ND	5.6	ug/kg	0.66
cis-1,2-Dichloroethene	ND	5.6	ug/kg	0.84
trans-1,2-Dichloroethene	ND	5.6	ug/kg	0.73
1,2-Dichloropropane	ND	5.6	ug/kg	0.71
cis-1,3-Dichloropropene	ND	5.6	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.6	ug/kg	0.31
Ethylbenzene	ND	5.6	ug/kg	1.0
2-Hexanone	ND	5.6	ug/kg	0.92
Isopropylbenzene	ND	5.6	ug/kg	1.3
Methyl acetate	ND UJ	5.6	ug/kg	2.8
Methylene chloride	ND	5.6	ug/kg	1.5
Methylcyclohexane	**4.5 J**	**5.6**	**ug/kg**	**0.88**
4-Methyl-2-pentanone	ND	5.6	ug/kg	0.95
Methyl tert-butyl ether	ND	5.6	ug/kg	0.46

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THE RETEC GROUP INC

Client Sample ID: SB05 (72)

GC/MS Volatiles

Lot-Sample #...: C4G100151-014 **Work Order #...:** GKVCM1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.6	ug/kg	0.90
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	0.51
1,2,4-Trichloro-benzene	ND UJ	5.6	ug/kg	1.6
Tetrachloroethene	ND	5.6	ug/kg	0.86
1,1,1-Trichloroethane	ND	5.6	ug/kg	0.31
1,1,2-Trichloroethane	ND	5.6	ug/kg	0.76
Trichloroethene	ND	5.6	ug/kg	0.97
Trichlorofluoromethane	ND	5.6	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg	0.39
Toluene	ND	5.6	ug/kg	0.66
Vinyl chloride	ND	5.6	ug/kg	0.74
Xylenes (total)	**3.7 J**	**17**	**ug/kg**	**3.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(61 - 130)
Toluene-d8	88	(60 - 143)
4-Bromofluorobenzene	102	(47 - 158)
Dibromofluoromethane	109	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB06 (57)

GC/MS Volatiles

Lot-Sample #...: C4G100151-015	**Work Order #...:** GKVCP1AC	**Matrix.....:** SO
Date Sampled...: 07/08/04	**Date Received..:** 07/10/04	**MS Run #.....:** 4195267
Prep Date.....: 07/13/04	**Analysis Date..:** 07/14/04	
Prep Batch #...: 4195469	**Analysis Time..:** 02:25	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 g	**Final Wgt/Vol..:** 5 mL
% Moisture.....: 17	**Analyst ID.....:** 034635	**Instrument ID..:** HP3
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	24	ug/kg	6.0
Benzene	ND	6.0	ug/kg	0.66
Bromodichloromethane	ND	6.0	ug/kg	0.30
Bromoform	ND	6.0	ug/kg	0.73
~~Bromomethane~~	~~ND R~~	~~6.0~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	6.0	ug/kg	1.7
Carbon disulfide	ND	6.0	ug/kg	0.43
Carbon tetrachloride	ND	6.0	ug/kg	0.30
Chlorobenzene	ND	6.0	ug/kg	1.0
~~Chloroethane~~	~~ND R~~	~~6.0~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	6.0	ug/kg	0.30
Chloromethane	ND	6.0	ug/kg	0.34
Cyclohexane	**0.82 J**	**6.0**	**ug/kg**	**0.45**
Dibromochloromethane	ND	6.0	ug/kg	0.31
1,2-Dibromo-3-chloro-propane	ND UJ	6.0	ug/kg	0.56
1,2-Dibromoethane	ND	6.0	ug/kg	0.32
1,3-Dichlorobenzene	ND	6.0	ug/kg	1.1
1,4-Dichlorobenzene	ND	6.0	ug/kg	0.82
1,2-Dichlorobenzene	ND	6.0	ug/kg	1.1
Dichlorodifluoromethane	ND	6.0	ug/kg	0.61
1,1-Dichloroethane	ND	6.0	ug/kg	0.35
1,2-Dichloroethane	ND	6.0	ug/kg	0.36
1,1-Dichloroethene	ND	6.0	ug/kg	0.71
cis-1,2-Dichloroethene	ND	6.0	ug/kg	0.90
trans-1,2-Dichloroethene	ND	6.0	ug/kg	0.78
1,2-Dichloropropane	ND	6.0	ug/kg	0.75
cis-1,3-Dichloropropene	ND	6.0	ug/kg	0.34
trans-1,3-Dichloropropene	ND	6.0	ug/kg	0.33
Ethylbenzene	ND	6.0	ug/kg	1.1
2-Hexanone	ND	6.0	ug/kg	0.98
Isopropylbenzene	ND	6.0	ug/kg	1.4
Methyl acetate	ND UJ	6.0	ug/kg	3.0
Methylene chloride	ND	6.0	ug/kg	1.6
Methylcyclohexane	**7.5**	**6.0**	**ug/kg**	**0.94**
4-Methyl-2-pentanone	ND	6.0	ug/kg	1.0
Methyl tert-butyl ether	ND	6.0	ug/kg	0.49

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THE RETEC GROUP INC

Client Sample ID: SB06 (57)

GC/MS Volatiles

Lot-Sample #...: C4G100151-015 **Work Order #...:** GKVCP1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	6.0	ug/kg	0.96
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg	0.54
1,2,4-Trichloro-benzene	ND UJ	6.0	ug/kg	1.7
Tetrachloroethene	ND	6.0	ug/kg	0.92
1,1,1-Trichloroethane	ND	6.0	ug/kg	0.33
1,1,2-Trichloroethane	ND	6.0	ug/kg	0.82
Trichloroethene	ND	6.0	ug/kg	1.0
Trichlorofluoromethane	ND	6.0	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.0	ug/kg	0.42
Toluene	**0.73 J**	**6.0**	**ug/kg**	**0.71**
Vinyl chloride	ND	6.0	ug/kg	0.79
Xylenes (total)	**15 J**	**18**	**ug/kg**	**3.3**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(61 - 130)
Toluene-d8	83	(60 - 143)
4-Bromofluorobenzene	99	(47 - 158)
Dibromofluoromethane	109	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB07 (62)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-016	**Work Order #...:**	GKVCT1AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4195469	**Analysis Time..:**	02:52		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	11	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	22	ug/kg	5.6
Benzene	ND	5.6	ug/kg	0.61
Bromodichloromethane	ND	5.6	ug/kg	0.28
Bromoform	ND	5.6	ug/kg	0.68
~~Bromomethane~~	~~ND~~ R	~~5.6~~	~~ug/kg~~	~~1.0~~
2-Butanone	ND	5.6	ug/kg	1.6
Carbon disulfide	ND	5.6	ug/kg	0.40
Carbon tetrachloride	ND	5.6	ug/kg	0.28
Chlorobenzene	ND	5.6	ug/kg	0.95
~~Chloroethane~~	~~ND~~ R	~~5.6~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.6	ug/kg	0.28
Chloromethane	ND	5.6	ug/kg	0.32
Cyclohexane	ND	5.6	ug/kg	0.42
Dibromochloromethane	ND	5.6	ug/kg	0.29
1,2-Dibromo-3-chloro-propane	ND UJ	5.6	ug/kg	0.52
1,2-Dibromoethane	ND	5.6	ug/kg	0.30
1,3-Dichlorobenzene	ND	5.6	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.6	ug/kg	0.77
1,2-Dichlorobenzene	ND	5.6	ug/kg	1.0
Dichlorodifluoromethane	ND	5.6	ug/kg	0.57
1,1-Dichloroethane	ND	5.6	ug/kg	0.32
1,2-Dichloroethane	ND	5.6	ug/kg	0.34
1,1-Dichloroethene	ND	5.6	ug/kg	0.66
cis-1,2-Dichloroethene	ND	5.6	ug/kg	0.84
trans-1,2-Dichloroethene	ND	5.6	ug/kg	0.73
1,2-Dichloropropane	ND	5.6	ug/kg	0.70
cis-1,3-Dichloropropene	ND	5.6	ug/kg	0.32
trans-1,3-Dichloropropene	ND	5.6	ug/kg	0.31
Ethylbenzene	ND	5.6	ug/kg	1.0
2-Hexanone	ND	5.6	ug/kg	0.91
Isopropylbenzene	ND	5.6	ug/kg	1.3
Methyl acetate	ND UJ	5.6	ug/kg	2.8
Methylene chloride	ND	5.6	ug/kg	1.5
Methylcyclohexane	**1.2 J**	**5.6**	**ug/kg**	**0.88**
4-Methyl-2-pentanone	ND	5.6	ug/kg	0.94
Methyl tert-butyl ether	ND	5.6	ug/kg	0.46

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THE RETEC GROUP INC

Client Sample ID: SB07 (62)

GC/MS Volatiles

Lot-Sample #...: C4G100151-016 Work Order #...: GKVCT1AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.6	ug/kg	0.90
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	0.50
1,2,4-Trichloro-benzene	ND UJ	5.6	ug/kg	1.5
Tetrachloroethene	ND	5.6	ug/kg	0.86
1,1,1-Trichloroethane	ND	5.6	ug/kg	0.30
1,1,2-Trichloroethane	ND	5.6	ug/kg	0.76
Trichloroethene	ND	5.6	ug/kg	0.96
Trichlorofluoromethane	ND	5.6	ug/kg	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg	0.39
Toluene	ND	5.6	ug/kg	0.66
Vinyl chloride	ND	5.6	ug/kg	0.74
Xylenes (total)	**3.5 J**	**17**	**ug/kg**	**3.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(61 - 130)
Toluene-d8	94	(60 - 143)
4-Bromofluorobenzene	97	(47 - 158)
Dibromofluoromethane	102	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SD02 (75)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-017	**Work Order #...:**	GKVC01AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4196074
Prep Date.....:	07/14/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4196069	**Analysis Time..:**	15:30		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	12	**Analyst ID.....:**	010099	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	23	ug/kg	5.7
Benzene	ND	5.7	ug/kg	0.62
Bromodichloromethane	ND	5.7	ug/kg	0.28
Bromoform	ND	5.7	ug/kg	0.70
Bromomethane	~~ND~~ R	~~5.7~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	5.7	ug/kg	1.6
Carbon disulfide	ND	5.7	ug/kg	0.41
Carbon tetrachloride	ND	5.7	ug/kg	0.28
Chlorobenzene	ND	5.7	ug/kg	0.97
Chloroethane	~~ND~~ R	~~5.7~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.7	ug/kg	0.28
Chloromethane	ND	5.7	ug/kg	0.33
Cyclohexane	ND	5.7	ug/kg	0.43
Dibromochloromethane	ND	5.7	ug/kg	0.30
1,2-Dibromo-3-chloro-propane	ND	5.7	ug/kg	0.53
1,2-Dibromoethane	ND	5.7	ug/kg	0.31
1,3-Dichlorobenzene	ND	5.7	ug/kg	1.0
1,4-Dichlorobenzene	ND	5.7	ug/kg	0.78
1,2-Dichlorobenzene	ND	5.7	ug/kg	1.1
Dichlorodifluoromethane	ND	5.7	ug/kg	0.58
1,1-Dichloroethane	ND	5.7	ug/kg	0.33
1,2-Dichloroethane	ND	5.7	ug/kg	0.34
1,1-Dichloroethene	ND	5.7	ug/kg	0.67
cis-1,2-Dichloroethene	ND	5.7	ug/kg	0.85
trans-1,2-Dichloroethene	ND	5.7	ug/kg	0.74
1,2-Dichloropropane	ND	5.7	ug/kg	0.71
cis-1,3-Dichloropropene	ND	5.7	ug/kg	0.33
trans-1,3-Dichloropropene	ND	5.7	ug/kg	0.31
Ethylbenzene	ND	5.7	ug/kg	1.1
2-Hexanone	ND	5.7	ug/kg	0.93
Isopropylbenzene	ND	5.7	ug/kg	1.3
Methyl acetate	ND	5.7	ug/kg	2.8
Methylene chloride	ND	5.7	ug/kg	1.5
Methylcyclohexane	ND	5.7	ug/kg	0.89
4-Methyl-2-pentanone	ND	5.7	ug/kg	0.96
Methyl tert-butyl ether	ND	5.7	ug/kg	0.47

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THE RETEC GROUP INC

Client Sample ID: SD02 (75)

GC/MS Volatiles

Lot-Sample #...: C4G100151-017 Work Order #...: GKVC01AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.7	ug/kg	0.91
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg	0.51
1,2,4-Trichloro-benzene	ND	5.7	ug/kg	1.6
Tetrachloroethene	ND	5.7	ug/kg	0.87
1,1,1-Trichloroethane	ND	5.7	ug/kg	0.31
1,1,2-Trichloroethane	ND	5.7	ug/kg	0.77
Trichloroethene	ND	5.7	ug/kg	0.98
Trichlorofluoromethane	ND	5.7	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.7	ug/kg	0.39
Toluene	ND	5.7	ug/kg	0.67
Vinyl chloride	ND	5.7	ug/kg	0.75
Xylenes (total)	ND	17	ug/kg	3.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	77	(61 - 130)
Toluene-d8	93	(60 - 143)
4-Bromofluorobenzene	101	(47 - 158)
Dibromofluoromethane	92	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SW10 (40-70)

GC/MS Volatiles

Lot-Sample #...:	C4G100151-018	Work Order #...:	GKVC31AC	Matrix.....:	SO
Date Sampled...:	07/08/04	Date Received..:	07/10/04	MS Run #.....:	4196074
Prep Date.....:	07/14/04	Analysis Date..:	07/14/04		
Prep Batch #...:	4196069	Analysis Time..:	15:05		
Dilution Factor:	1	Initial Wgt/Vol:	5 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	18	Analyst ID.....:	010099	Instrument ID..:	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**8.1 J**	**24**	**ug/kg**	**6.1**
Benzene	ND	6.1	ug/kg	0.67
Bromodichloromethane	ND	6.1	ug/kg	0.31
Bromoform	ND	6.1	ug/kg	0.75
~~Bromomethane~~	~~ND~~ R	~~6.1~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	6.1	ug/kg	1.7
Carbon disulfide	ND	6.1	ug/kg	0.44
Carbon tetrachloride	ND	6.1	ug/kg	0.31
Chlorobenzene	ND	6.1	ug/kg	1.0
~~Chloroethane~~	~~ND~~ R	~~6.1~~	~~ug/kg~~	~~1.2~~
Chloroform	ND	6.1	ug/kg	0.31
Chloromethane	ND	6.1	ug/kg	0.35
Cyclohexane	ND	6.1	ug/kg	0.46
Dibromochloromethane	ND	6.1	ug/kg	0.32
1,2-Dibromo-3-chloro-propane	ND	6.1	ug/kg	0.57
1,2-Dibromoethane	ND	6.1	ug/kg	0.33
1,3-Dichlorobenzene	ND	6.1	ug/kg	1.1
1,4-Dichlorobenzene	ND	6.1	ug/kg	0.84
1,2-Dichlorobenzene	ND	6.1	ug/kg	1.1
Dichlorodifluoromethane	ND	6.1	ug/kg	0.62
1,1-Dichloroethane	ND	6.1	ug/kg	0.35
1,2-Dichloroethane	ND	6.1	ug/kg	0.37
1,1-Dichloroethene	ND	6.1	ug/kg	0.72
cis-1,2-Dichloroethene	ND	6.1	ug/kg	0.91
trans-1,2-Dichloroethene	ND	6.1	ug/kg	0.80
1,2-Dichloropropane	ND	6.1	ug/kg	0.77
cis-1,3-Dichloropropene	ND	6.1	ug/kg	0.35
trans-1,3-Dichloropropene	ND	6.1	ug/kg	0.34
Ethylbenzene	**7.4**	**6.1**	**ug/kg**	**1.1**
2-Hexanone	ND	6.1	ug/kg	1.0
Isopropylbenzene	**2.7 J**	**6.1**	**ug/kg**	**1.4**
Methyl acetate	ND	6.1	ug/kg	3.1
Methylene chloride	ND	6.1	ug/kg	1.6
Methylcyclohexane	ND	6.1	ug/kg	0.96
4-Methyl-2-pentanone	ND	6.1	ug/kg	1.0
Methyl tert-butyl ether	ND	6.1	ug/kg	0.50

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THE RETEC GROUP INC

Client Sample ID: SW10 (40-70)

GC/MS Volatiles

Lot-Sample #...: C4G100151-018 **Work Order #...:** GKVC31AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	6.1	ug/kg	0.98
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg	0.55
1,2,4-Trichloro-benzene	ND	6.1	ug/kg	1.7
Tetrachloroethene	ND	6.1	ug/kg	0.94
1,1,1-Trichloroethane	ND	6.1	ug/kg	0.33
1,1,2-Trichloroethane	ND	6.1	ug/kg	0.83
Trichloroethene	ND	6.1	ug/kg	1.1
Trichlorofluoromethane	ND	6.1	ug/kg	1.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.1	ug/kg	0.42
Toluene	ND	6.1	ug/kg	0.72
Vinyl chloride	ND	6.1	ug/kg	0.80
Xylenes (total)	**34**	**18**	**ug/kg**	**3.3**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(61 - 130)
Toluene-d8	87	(60 - 143)
4-Bromofluorobenzene	94	(47 - 158)
Dibromofluoromethane	95	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW02 (0-51)

GC/MS Volatiles

Lot-Sample #...: C4G100151-019	**Work Order #...:** GKVC51AC	**Matrix.....:** SO
Date Sampled...: 07/08/04	**Date Received..:** 07/10/04	**MS Run #.....:** 4195267
Prep Date.....: 07/13/04	**Analysis Date..:** 07/14/04	
Prep Batch #...: 4195469	**Analysis Time..:** 03:20	
Dilution Factor: 1	**Initial Wgt/Vol:** 5 g	**Final Wgt/Vol..:** 5 mL
% Moisture.....: 15	**Analyst ID.....:** 034635	**Instrument ID..:** HP3
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	24	ug/kg	5.9
Benzene	ND	5.9	ug/kg	0.65
Bromodichloromethane	ND	5.9	ug/kg	0.30
Bromoform	ND	5.9	ug/kg	0.72
~~Bromomethane~~	~~ND R~~	~~5.9~~	~~ug/kg~~	~~1.1~~
2-Butanone	ND	5.9	ug/kg	1.7
Carbon disulfide	ND	5.9	ug/kg	0.43
Carbon tetrachloride	ND	5.9	ug/kg	0.30
Chlorobenzene	ND	5.9	ug/kg	1.0
~~Chloroethane~~	~~ND R~~	~~5.9~~	~~ug/kg~~	~~1.1~~
Chloroform	ND	5.9	ug/kg	0.30
Chloromethane	ND	5.9	ug/kg	0.34
Cyclohexane	ND	5.9	ug/kg	0.45
Dibromochloromethane	ND	5.9	ug/kg	0.31
1,2-Dibromo-3-chloro-propane	ND UJ	5.9	ug/kg	0.55
1,2-Dibromoethane	ND	5.9	ug/kg	0.32
1,3-Dichlorobenzene	ND	5.9	ug/kg	1.1
1,4-Dichlorobenzene	ND	5.9	ug/kg	0.81
1,2-Dichlorobenzene	ND	5.9	ug/kg	1.1
Dichlorodifluoromethane	ND	5.9	ug/kg	0.60
1,1-Dichloroethane	ND	5.9	ug/kg	0.34
1,2-Dichloroethane	ND	5.9	ug/kg	0.36
1,1-Dichloroethene	ND	5.9	ug/kg	0.70
cis-1,2-Dichloroethene	ND	5.9	ug/kg	0.88
trans-1,2-Dichloroethene	ND	5.9	ug/kg	0.77
1,2-Dichloropropane	ND	5.9	ug/kg	0.74
cis-1,3-Dichloropropene	ND	5.9	ug/kg	0.34
trans-1,3-Dichloropropene	ND	5.9	ug/kg	0.33
Ethylbenzene	ND	5.9	ug/kg	1.1
2-Hexanone	ND	5.9	ug/kg	0.96
Isopropylbenzene	**7.2**	**5.9**	**ug/kg**	**1.3**
Methyl acetate	ND UJ	5.9	ug/kg	3.0
Methylene chloride	ND	5.9	ug/kg	1.6
Methylcyclohexane	ND	5.9	ug/kg	0.92
4-Methyl-2-pentanone	ND	5.9	ug/kg	1.0
Methyl tert-butyl ether	ND	5.9	ug/kg	0.48

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THE RETEC GROUP INC

Client Sample ID: SW02 (0-51)

GC/MS Volatiles

Lot-Sample #...: C4G100151-019 **Work Order #...:** GKVC51AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	5.9	ug/kg	0.95
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	0.53
1,2,4-Trichloro-benzene	ND UJ	5.9	ug/kg	1.6
Tetrachloroethene	ND	5.9	ug/kg	0.91
1,1,1-Trichloroethane	ND	5.9	ug/kg	0.32
1,1,2-Trichloroethane	ND	5.9	ug/kg	0.80
Trichloroethene	ND	5.9	ug/kg	1.0
Trichlorofluoromethane	ND	5.9	ug/kg	1.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.9	ug/kg	0.41
Toluene	ND	5.9	ug/kg	0.70
Vinyl chloride	ND	5.9	ug/kg	0.78
Xylenes (total)	ND	18	ug/kg	3.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	95	(61 - 130)
Toluene-d8	90	(60 - 143)
4-Bromofluorobenzene	97	(47 - 158)
Dibromofluoromethane	101	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SW11

GC/MS Volatiles

Lot-Sample #...:	C4G100151-020	**Work Order #...:**	GKVDD1AC	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04	**MS Run #.....:**	4195267
Prep Date.....:	07/13/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4195469	**Analysis Time..:**	03:48		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	22	**Analyst ID.....:**	034635	**Instrument ID..:**	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	26	ug/kg	6.4
Benzene	ND	6.4	ug/kg	0.70
Bromodichloromethane	ND	6.4	ug/kg	0.32
Bromoform	ND	6.4	ug/kg	0.79
~~Bromomethane~~	~~ND R~~	~~6.4~~	~~ug/kg~~	~~1.2~~
2-Butanone	ND	6.4	ug/kg	1.8
Carbon disulfide	ND	6.4	ug/kg	0.46
Carbon tetrachloride	ND	6.4	ug/kg	0.32
Chlorobenzene	ND	6.4	ug/kg	1.1
~~Chloroethane~~	~~ND R~~	~~6.4~~	~~ug/kg~~	~~1.2~~
Chloroform	ND	6.4	ug/kg	0.32
Chloromethane	ND	6.4	ug/kg	0.37
Cyclohexane	ND	6.4	ug/kg	0.49
Dibromochloromethane	ND	6.4	ug/kg	0.34
1,2-Dibromo-3-chloro-propane	ND UJ	6.4	ug/kg	0.60
1,2-Dibromoethane	ND	6.4	ug/kg	0.35
1,3-Dichlorobenzene	ND	6.4	ug/kg	1.2
1,4-Dichlorobenzene	ND	6.4	ug/kg	0.88
1,2-Dichlorobenzene	ND	6.4	ug/kg	1.2
Dichlorodifluoromethane	ND	6.4	ug/kg	0.65
1,1-Dichloroethane	ND	6.4	ug/kg	0.37
1,2-Dichloroethane	ND	6.4	ug/kg	0.39
1,1-Dichloroethene	ND	6.4	ug/kg	0.76
cis-1,2-Dichloroethene	ND	6.4	ug/kg	0.96
trans-1,2-Dichloroethene	ND	6.4	ug/kg	0.84
1,2-Dichloropropane	ND	6.4	ug/kg	0.81
cis-1,3-Dichloropropene	ND	6.4	ug/kg	0.37
trans-1,3-Dichloropropene	ND	6.4	ug/kg	0.36
Ethylbenzene	ND	6.4	ug/kg	1.2
2-Hexanone	ND	6.4	ug/kg	1.0
Isopropylbenzene	ND	6.4	ug/kg	1.4
Methyl acetate	ND UJ	6.4	ug/kg	3.2
Methylene chloride	ND	6.4	ug/kg	1.7
Methylcyclohexane	ND	6.4	ug/kg	1.0
4-Methyl-2-pentanone	ND	6.4	ug/kg	1.1
Methyl tert-butyl ether	ND	6.4	ug/kg	0.53

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THE RETEC GROUP INC

Client Sample ID: SW11

GC/MS Volatiles

Lot-Sample #...: C4G100151-020 **Work Order #...:** GKVDD1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	6.4	ug/kg	1.0
1,1,2,2-Tetrachloroethane	ND	6.4	ug/kg	0.58
1,2,4-Trichloro-benzene	ND UJ	6.4	ug/kg	1.8
Tetrachloroethene	ND	6.4	ug/kg	0.99
1,1,1-Trichloroethane	ND	6.4	ug/kg	0.35
1,1,2-Trichloroethane	ND	6.4	ug/kg	0.87
Trichloroethene	ND	6.4	ug/kg	1.1
Trichlorofluoromethane	ND	6.4	ug/kg	1.6
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.4	ug/kg	0.45
Toluene	ND	6.4	ug/kg	0.76
Vinyl chloride	ND	6.4	ug/kg	0.85
Xylenes (total)	ND	19	ug/kg	3.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(61 - 130)
Toluene-d8	94	(60 - 143)
4-Bromofluorobenzene	87	(47 - 158)
Dibromofluoromethane	99	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SW01 (0-51)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-001	**Work Order #...:**	GKT9H1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4196043	**Analysis Time..:**	12:17		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	15	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**380 J**	**2000**	**ug/kg**	**150**
Acenaphthylene	**1200 J**	**2000**	**ug/kg**	**180**
Acetophenone	ND	2000	ug/kg	290
Anthracene	**1700 J**	**2000**	**ug/kg**	**190**
Atrazine	ND	2000	ug/kg	280
Benzo(a)anthracene	**9400**	**2000**	**ug/kg**	**190**
Benzo(a)pyrene	**9900**	**2000**	**ug/kg**	**180**
Benzo(b)fluoranthene	**12000**	**2000**	**ug/kg**	**260**
Benzo(ghi)perylene	**9000**	**2000**	**ug/kg**	**170**
Benzo(k)fluoranthene	**5100**	**2000**	**ug/kg**	**250**
Benzaldehyde	ND	2000	ug/kg	400
1,1'-Biphenyl	ND	2000	ug/kg	230
bis(2-Chloroethoxy) methane	ND	2000	ug/kg	220
bis(2-Chloroethyl)-ether	ND	2000	ug/kg	220
bis(2-Ethylhexyl) phthalate	ND	2000	ug/kg	190
4-Bromophenyl phenyl ether	ND	2000	ug/kg	160
Butyl benzyl phthalate	ND	2000	ug/kg	210
Caprolactam	ND	2000	ug/kg	280
Carbazole	**640 J**	**2000**	**ug/kg**	**170**
4-Chloroaniline	ND	2000	ug/kg	130
4-Chloro-3-methylphenol	ND	2000	ug/kg	170
2-Chloronaphthalene	ND	2000	ug/kg	180
2-Chlorophenol	ND	2000	ug/kg	340
4-Chlorophenyl phenyl ether	ND	2000	ug/kg	140
Chrysene	**9200**	**2000**	**ug/kg**	**190**
Dibenz(a,h)anthracene	**2300**	**2000**	**ug/kg**	**130**
Dibenzofuran	**330 J**	**2000**	**ug/kg**	**180**
3,3'-Dichlorobenzidine	ND	9500	ug/kg	120
2,4-Dichlorophenol	ND	2000	ug/kg	200
Diethyl phthalate	ND	2000	ug/kg	180
2,4-Dimethylphenol	ND	2000	ug/kg	170
Dimethyl phthalate	ND	2000	ug/kg	160

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THE RETEC GROUP INC

Client Sample ID: SW01 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-001 Work Order #...: GKT9H1AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	2000	ug/kg	180
4,6-Dinitro-2-methylphenol	ND	9500	ug/kg	130
2,4-Dinitrophenol	ND	9500	ug/kg	2900
2,4-Dinitrotoluene	ND	2000	ug/kg	180
2,6-Dinitrotoluene	ND	2000	ug/kg	150
Di-n-octyl phthalate	ND	2000	ug/kg	170
Fluoranthene	**14000**	**2000**	**ug/kg**	**180**
Fluorene	**420 J**	**2000**	**ug/kg**	**170**
Hexachlorobenzene	ND	2000	ug/kg	160
Hexachlorobutadiene	ND	2000	ug/kg	270
Hexachlorocyclopentadiene	ND	9500	ug/kg	130
Hexachloroethane	ND	2000	ug/kg	270
Indeno(1,2,3-cd)pyrene	**7900**	**2000**	**ug/kg**	**140**
Isophorone	ND	2000	ug/kg	260
2-Methylnaphthalene	**240 J**	**2000**	**ug/kg**	**200**
2-Methylphenol	ND	2000	ug/kg	290
4-Methylphenol	ND	2000	ug/kg	440
Naphthalene	**590 J**	**2000**	**ug/kg**	**200**
2-Nitroaniline	ND	9500	ug/kg	180
3-Nitroaniline	ND	9500	ug/kg	180
4-Nitroaniline	ND	9500	ug/kg	110
Nitrobenzene	ND	2000	ug/kg	240
2-Nitrophenol	ND	2000	ug/kg	270
4-Nitrophenol	ND	9500	ug/kg	140
N-Nitrosodi-n-propylamine	ND	2000	ug/kg	200
N-Nitrosodiphenylamine	ND	2000	ug/kg	220
2,2'-oxybis(1-Chloropropane)	ND	2000	ug/kg	320
Pentachlorophenol	ND	9500	ug/kg	130
Phenanthrene	**6000**	**2000**	**ug/kg**	**190**
Phenol	ND	2000	ug/kg	210
Pyrene	**14000**	**2000**	**ug/kg**	**210**
2,4,5-Trichlorophenol	ND	2000	ug/kg	190
2,4,6-Trichlorophenol	ND	2000	ug/kg	140

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THE RETEC GROUP INC

Client Sample ID: SW01 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-001 **Work Order #...:** GKT9H1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	59	(35 - 116)
2-Fluorobiphenyl	70	(43 - 110)
2-Fluorophenol	68	(11 - 116)
Nitrobenzene-d5	65	(42 - 110)
Phenol-d5	71	(25 - 115)
Terphenyl-d14	63	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SD01 (30)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-002	**Work Order #...:**	GKT9W1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	09:17		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	18	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	400	ug/kg	32
Acenaphthylene	**78 J**	**400**	**ug/kg**	**37**
Acetophenone	ND	400	ug/kg	60
Anthracene	ND	400	ug/kg	38
Atrazine	ND	400	ug/kg	58
Benzo(a)anthracene	**250 J**	**400**	**ug/kg**	**40**
Benzo(a)pyrene	**290 J**	**400**	**ug/kg**	**37**
Benzo(b)fluoranthene	**340 J**	**400**	**ug/kg**	**54**
Benzo(ghi)perylene	**230 J**	**400**	**ug/kg**	**35**
Benzo(k)fluoranthene	**130 J**	**400**	**ug/kg**	**52**
Benzaldehyde	ND	400	ug/kg	83
1,1'-Biphenyl	ND	400	ug/kg	46
bis(2-Chloroethoxy) methane	ND	400	ug/kg	45
bis(2-Chloroethyl)-ether	ND	400	ug/kg	46
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg	39
4-Bromophenyl phenyl ether	ND	400	ug/kg	33
Butyl benzyl phthalate	ND	400	ug/kg	43
Caprolactam	ND	400	ug/kg	58
Carbazole	ND	400	ug/kg	35
4-Chloroaniline	ND	400	ug/kg	27
4-Chloro-3-methylphenol	ND	400	ug/kg	34
2-Chloronaphthalene	ND	400	ug/kg	36
2-Chlorophenol	ND	400	ug/kg	69
4-Chlorophenyl phenyl ether	ND	400	ug/kg	28
Chrysene	**250 J**	**400**	**ug/kg**	**39**
Dibenz(a,h)anthracene	**62 J**	**400**	**ug/kg**	**27**
Dibenzofuran	ND	400	ug/kg	38
3,3'-Dichlorobenzidine	ND	1900	ug/kg	24
2,4-Dichlorophenol	ND	400	ug/kg	42
Diethyl phthalate	ND	400	ug/kg	37
2,4-Dimethylphenol	ND	400	ug/kg	35
Dimethyl phthalate	ND	400	ug/kg	33

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THE RETEC GROUP INC

Client Sample ID: SD01 (30)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-002 **Work Order #...:** GKT9W1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	400	ug/kg	36
4,6-Dinitro-2-methylphenol	ND	1900	ug/kg	26
2,4-Dinitrophenol	ND	1900	ug/kg	610
2,4-Dinitrotoluene	ND	400	ug/kg	36
2,6-Dinitrotoluene	ND	400	ug/kg	30
Di-n-octyl phthalate	ND	400	ug/kg	35
Fluoranthene	**390 J**	**400**	**ug/kg**	**37**
Fluorene	ND	400	ug/kg	35
Hexachlorobenzene	ND	400	ug/kg	33
Hexachlorobutadiene	ND	400	ug/kg	55
Hexachlorocyclopentadiene	ND	1900	ug/kg	27
Hexachloroethane	ND	400	ug/kg	55
Indeno(1,2,3-cd)pyrene	**210 J**	**400**	**ug/kg**	**28**
Isophorone	ND	400	ug/kg	53
2-Methylnaphthalene	ND	400	ug/kg	42
2-Methylphenol	ND	400	ug/kg	59
4-Methylphenol	ND	400	ug/kg	90
Naphthalene	ND	400	ug/kg	41
2-Nitroaniline	ND	1900	ug/kg	37
3-Nitroaniline	ND	1900	ug/kg	38
4-Nitroaniline	ND	1900	ug/kg	23
Nitrobenzene	ND	400	ug/kg	50
2-Nitrophenol	ND	400	ug/kg	55
4-Nitrophenol	ND	1900	ug/kg	28
N-Nitrosodi-n-propylamine	ND	400	ug/kg	40
N-Nitrosodiphenylamine	ND	400	ug/kg	45
2,2'-oxybis(1-Chloropropane)	ND	400	ug/kg	65
Pentachlorophenol	ND	1900	ug/kg	28
Phenanthrene	**110 J**	**400**	**ug/kg**	**38**
Phenol	ND	400	ug/kg	44
Pyrene	**330 J**	**400**	**ug/kg**	**44**
2,4,5-Trichlorophenol	ND	400	ug/kg	39
2,4,6-Trichlorophenol	ND	400	ug/kg	28

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SD01 (30)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-002 **Work Order #...:** GKT9W1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	35	(35 - 116)
2-Fluorobiphenyl	82	(43 - 110)
2-Fluorophenol	78	(11 - 116)
Nitrobenzene-d5	71	(42 - 110)
Phenol-d5	78	(25 - 115)
Terphenyl-d14	71	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW03 (0-62)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-003	**Work Order #...:**	GKT901AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4196043	**Analysis Time..:**	14:13		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	11	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1900	ug/kg	150
Acenaphthylene	**330 J**	**1900**	**ug/kg**	**170**
Acetophenone	ND	1900	ug/kg	280
Anthracene	**490 J**	**1900**	**ug/kg**	**180**
Atrazine	ND	1900	ug/kg	270
Benzo(a)anthracene	**2100**	**1900**	**ug/kg**	**180**
Benzo(a)pyrene	**2100**	**1900**	**ug/kg**	**170**
Benzo(b)fluoranthene	**2300**	**1900**	**ug/kg**	**250**
Benzo(ghi)perylene	**1700 J**	**1900**	**ug/kg**	**160**
Benzo(k)fluoranthene	**910 J**	**1900**	**ug/kg**	**240**
Benzaldehyde	ND	1900	ug/kg	380
1,1'-Biphenyl	ND	1900	ug/kg	210
bis(2-Chloroethoxy) methane	ND	1900	ug/kg	210
bis(2-Chloroethyl)-ether	ND	1900	ug/kg	210
bis(2-Ethylhexyl) phthalate	ND	1900	ug/kg	180
4-Bromophenyl phenyl ether	ND	1900	ug/kg	150
Butyl benzyl phthalate	ND	1900	ug/kg	200
Caprolactam	ND	1900	ug/kg	270
Carbazole	ND	1900	ug/kg	160
4-Chloroaniline	ND	1900	ug/kg	130
4-Chloro-3-methylphenol	ND	1900	ug/kg	160
2-Chloronaphthalene	ND	1900	ug/kg	170
2-Chlorophenol	ND	1900	ug/kg	320
4-Chlorophenyl phenyl ether	ND	1900	ug/kg	130
Chrysene	**2000**	**1900**	**ug/kg**	**180**
Dibenz(a,h)anthracene	**420 J**	**1900**	**ug/kg**	**120**
Dibenzofuran	ND	1900	ug/kg	180
3,3'-Dichlorobenzidine	ND	9000	ug/kg	110
2,4-Dichlorophenol	ND	1900	ug/kg	190
Diethyl phthalate	ND	1900	ug/kg	170
2,4-Dimethylphenol	ND	1900	ug/kg	160
Dimethyl phthalate	ND	1900	ug/kg	150

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SW03 (0-62)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-003 Work Order #...: GKT901AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	**410 J**	**1900**	**ug/kg**	**170**
4,6-Dinitro-2-methylphenol	ND	9000	ug/kg	120
2,4-Dinitrophenol	ND	9000	ug/kg	2800
2,4-Dinitrotoluene	ND	1900	ug/kg	170
2,6-Dinitrotoluene	ND	1900	ug/kg	140
Di-n-octyl phthalate	ND	1900	ug/kg	160
Fluoranthene	**3400**	**1900**	**ug/kg**	**170**
Fluorene	ND	1900	ug/kg	160
Hexachlorobenzene	ND	1900	ug/kg	150
Hexachlorobutadiene	ND	1900	ug/kg	260
Hexachlorocyclopentadiene	ND	9000	ug/kg	130
Hexachloroethane	ND	1900	ug/kg	260
Indeno(1,2,3-cd)pyrene	**1500 J**	**1900**	**ug/kg**	**130**
Isophorone	ND	1900	ug/kg	240
2-Methylnaphthalene	ND	1900	ug/kg	190
2-Methylphenol	ND	1900	ug/kg	270
4-Methylphenol	ND	1900	ug/kg	420
Naphthalene	ND	1900	ug/kg	190
2-Nitroaniline	ND	9000	ug/kg	170
3-Nitroaniline	ND	9000	ug/kg	170
4-Nitroaniline	ND	9000	ug/kg	110
Nitrobenzene	ND	1900	ug/kg	230
2-Nitrophenol	ND	1900	ug/kg	250
4-Nitrophenol	ND	9000	ug/kg	130
N-Nitrosodi-n-propylamine	ND	1900	ug/kg	190
N-Nitrosodiphenylamine	ND	1900	ug/kg	210
2,2'-oxybis(1-Chloropropane)	ND	1900	ug/kg	300
Pentachlorophenol	ND	9000	ug/kg	130
Phenanthrene	**1300 J**	**1900**	**ug/kg**	**180**
Phenol	ND	1900	ug/kg	200
Pyrene	**3100**	**1900**	**ug/kg**	**200**
2,4,5-Trichlorophenol	ND	1900	ug/kg	180
2,4,6-Trichlorophenol	ND	1900	ug/kg	130

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SW03 (0-62)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-003 **Work Order #...:** GKT901AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	53	(35 - 116)
2-Fluorobiphenyl	69	(43 - 110)
2-Fluorophenol	68	(11 - 116)
Nitrobenzene-d5	71	(42 - 110)
Phenol-d5	69	(25 - 115)
Terphenyl-d14	59	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW04 (0-62)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-004	Work Order #...:	GKT911AD	Matrix.....:	SO
Date Sampled...:	07/08/04 14:30	Date Received..:	07/10/04 10:00	MS Run #.....:	4196030
Prep Date.....:	07/14/04	Analysis Date..:	07/14/04		
Prep Batch #...:	4196043	Analysis Time..:	14:42		
Dilution Factor:	5	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	14	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**1700 J**	**1900**	**ug/kg**	**150**
Acenaphthylene	**1900**	**1900**	**ug/kg**	**180**
Acetophenone	ND	1900	ug/kg	290
Anthracene	**5600**	**1900**	**ug/kg**	**180**
Atrazine	ND	1900	ug/kg	280
Benzo(a)anthracene	**13000**	**1900**	**ug/kg**	**190**
Benzo(a)pyrene	**12000**	**1900**	**ug/kg**	**180**
Benzo(b)fluoranthene	**14000**	**1900**	**ug/kg**	**260**
Benzo(ghi)perylene	**5600**	**1900**	**ug/kg**	**170**
Benzo(k)fluoranthene	**5200**	**1900**	**ug/kg**	**250**
Benzaldehyde	ND	1900	ug/kg	400
1,1'-Biphenyl	**270 J**	**1900**	**ug/kg**	**220**
bis(2-Chloroethoxy) methane	ND	1900	ug/kg	220
bis(2-Chloroethyl)-ether	ND	1900	ug/kg	220
bis(2-Ethylhexyl) phthalate	ND	1900	ug/kg	190
4-Bromophenyl phenyl ether	ND	1900	ug/kg	160
Butyl benzyl phthalate	ND	1900	ug/kg	210
Caprolactam	ND	1900	ug/kg	280
Carbazole	**1900**	**1900**	**ug/kg**	**170**
4-Chloroaniline	ND	1900	ug/kg	130
4-Chloro-3-methylphenol	ND	1900	ug/kg	160
2-Chloronaphthalene	ND	1900	ug/kg	170
2-Chlorophenol	ND	1900	ug/kg	330
4-Chlorophenyl phenyl ether	ND	1900	ug/kg	130
Chrysene	**11000**	**1900**	**ug/kg**	**190**
Dibenz(a,h)anthracene	**2000**	**1900**	**ug/kg**	**130**
Dibenzofuran	**1800 J**	**1900**	**ug/kg**	**180**
3,3'-Dichlorobenzidine	ND	9300	ug/kg	110
2,4-Dichlorophenol	ND	1900	ug/kg	200
Diethyl phthalate	ND	1900	ug/kg	180
2,4-Dimethylphenol	**190 J**	**1900**	**ug/kg**	**170**
Dimethyl phthalate	ND	1900	ug/kg	160

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SW04 (0-62)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-004 Work Order #...: GKT911AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1900	ug/kg	170
4,6-Dinitro-2-methylphenol	ND	9300	ug/kg	120
2,4-Dinitrophenol	ND	9300	ug/kg	2900
2,4-Dinitrotoluene	ND	1900	ug/kg	170
2,6-Dinitrotoluene	ND	1900	ug/kg	140
Di-n-octyl phthalate	ND	1900	ug/kg	170
Fluoranthene	~~25000 E~~ 25000	~~1900~~ 3900	**ug/kg**	~~180~~ 83
Fluorene	**2300**	**1900**	**ug/kg**	**170**
Hexachlorobenzene	ND	1900	ug/kg	160
Hexachlorobutadiene	ND	1900	ug/kg	270
Hexachlorocyclopentadiene	ND	9300	ug/kg	130
Hexachloroethane	ND	1900	ug/kg	270
Indeno(1,2,3-cd)pyrene	**6100**	**1900**	**ug/kg**	**140**
Isophorone	ND	1900	ug/kg	250
2-Methylnaphthalene	**890 J**	**1900**	**ug/kg**	**200**
2-Methylphenol	ND	1900	ug/kg	280
4-Methylphenol	ND	1900	ug/kg	430
Naphthalene	**1700 J**	**1900**	**ug/kg**	**200**
2-Nitroaniline	ND	9300	ug/kg	180
3-Nitroaniline	ND	9300	ug/kg	180
4-Nitroaniline	ND	9300	ug/kg	110
Nitrobenzene	ND	1900	ug/kg	240
2-Nitrophenol	ND	1900	ug/kg	260
4-Nitrophenol	ND	9300	ug/kg	130
N-Nitrosodi-n-propylamine	ND	1900	ug/kg	190
N-Nitrosodiphenylamine	ND	1900	ug/kg	220
2,2'-oxybis(1-Chloropropane)	ND	1900	ug/kg	310
Pentachlorophenol	ND	9300	ug/kg	130
Phenanthrene	~~20000 E~~ 19000	~~1900~~ 3900	**ug/kg**	~~180~~ 93
Phenol	ND	1900	ug/kg	210
Pyrene	~~17000 E~~ 17000	~~1900~~ 3900	**ug/kg**	~~210~~ 95
2,4,5-Trichlorophenol	ND	1900	ug/kg	190
2,4,6-Trichlorophenol	ND	1900	ug/kg	130

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The fluoranthene, phenanthrene, and pyrene results from the 10-fold dilution were transcribed over the original (5-fold) dilution results because they were over range. GAM 09/15/04

THE RETEC GROUP INC

Client Sample ID: SW04 (0-62)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-004 Work Order #...: GKT911AD Matrix.....: SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	69	(35 - 116)
2-Fluorobiphenyl	74	(43 - 110)
2-Fluorophenol	74	(11 - 116)
Nitrobenzene-d5	71	(42 - 110)
Phenol-d5	78	(25 - 115)
Terphenyl-d14	57	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

THE RETEC GROUP INC

Client Sample ID: SW04 (0-62) DL

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-004	Work Order #...:	GKT912AD	Matrix.....:	SO
Date Sampled...:	07/08/04 14:30	Date Received..:	07/10/04 10:00	MS Run #.....:	4196030
Prep Date.....:	07/14/04	Analysis Date..:	07/15/04		
Prep Batch #...:	4196043	Analysis Time..:	09:46		
Dilution Factor:	10	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	14	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**1500 J**	**3900**	**ug/kg**	**85**
Acenaphthylene	**1700 J**	**3900**	**ug/kg**	**81**
Acetophenone	ND	3900	ug/kg	970
Anthracene	**5100**	**3900**	**ug/kg**	**89**
Atrazine	ND	3900	ug/kg	970
Benzo(a)anthracene	**12000**	**3900**	**ug/kg**	**85**
Benzo(a)pyrene	**11000**	**3900**	**ug/kg**	**65**
Benzo(b)fluoranthene	**13000**	**3900**	**ug/kg**	**78**
Benzo(ghi)perylene	**6300**	**3900**	**ug/kg**	**74**
Benzo(k)fluoranthene	**4900**	**3900**	**ug/kg**	**76**
Benzaldehyde	ND	3900	ug/kg	870
1,1'-Biphenyl	ND	3900	ug/kg	970
bis(2-Chloroethoxy) methane	ND	3900	ug/kg	87
bis(2-Chloroethyl)-ether	ND	3900	ug/kg	76
bis(2-Ethylhexyl) phthalate	ND	3900	ug/kg	240
4-Bromophenyl phenyl ether	ND	3900	ug/kg	190
Butyl benzyl phthalate	ND	3900	ug/kg	86
Caprolactam	ND	3900	ug/kg	970
Carbazole	**1800 J**	**3900**	**ug/kg**	**90**
4-Chloroaniline	ND	3900	ug/kg	190
4-Chloro-3-methylphenol	ND	3900	ug/kg	85
2-Chloronaphthalene	ND	3900	ug/kg	83
2-Chlorophenol	ND	3900	ug/kg	61
4-Chlorophenyl phenyl ether	ND	3900	ug/kg	80
Chrysene	**10000**	**3900**	**ug/kg**	**76**
Dibenz(a,h)anthracene	**2200 J**	**3900**	**ug/kg**	**64**
Dibenzofuran	**1600 J**	**3900**	**ug/kg**	**88**
3,3'-Dichlorobenzidine	ND	19000	ug/kg	96
2,4-Dichlorophenol	ND	3900	ug/kg	73
Diethyl phthalate	ND	3900	ug/kg	79
2,4-Dimethylphenol	**160 J**	**3900**	**ug/kg**	**63**
Dimethyl phthalate	ND	3900	ug/kg	81

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THE RETEC GROUP INC

Client Sample ID: SW04 (0-62) DL

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-004 Work Order #...: GKT912AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	3900	ug/kg	470
4,6-Dinitro-2-methylphenol	ND	19000	ug/kg	9700
2,4-Dinitrophenol	ND	19000	ug/kg	9700
2,4-Dinitrotoluene	ND	3900	ug/kg	41
2,6-Dinitrotoluene	ND	3900	ug/kg	55
Di-n-octyl phthalate	ND	3900	ug/kg	90
Fluoranthene	**25000**	**3900**	**ug/kg**	**83**
Fluorene	**2100 J**	**3900**	**ug/kg**	**93**
Hexachlorobenzene	ND	3900	ug/kg	78
Hexachlorobutadiene	ND	3900	ug/kg	76
Hexachlorocyclopentadiene	ND	19000	ug/kg	310
Hexachloroethane	ND	3900	ug/kg	75
Indeno(1,2,3-cd)pyrene	**6600**	**3900**	**ug/kg**	**78**
Isophorone	ND	3900	ug/kg	74
2-Methylnaphthalene	**770 J**	**3900**	**ug/kg**	**95**
2-Methylphenol	ND	3900	ug/kg	87
4-Methylphenol	**250 J**	**3900**	**ug/kg**	**87**
Naphthalene	**1500 J**	**3900**	**ug/kg**	**93**
2-Nitroaniline	ND	19000	ug/kg	48
3-Nitroaniline	ND	19000	ug/kg	2000
4-Nitroaniline	ND	19000	ug/kg	54
Nitrobenzene	ND	3900	ug/kg	130
2-Nitrophenol	ND	3900	ug/kg	70
4-Nitrophenol	ND	19000	ug/kg	52
N-Nitrosodi-n-propylamine	ND	3900	ug/kg	79
N-Nitrosodiphenylamine	ND	3900	ug/kg	810
2,2'-oxybis(1-Chloropropane)	ND	3900	ug/kg	56
Pentachlorophenol	ND	19000	ug/kg	5300
Phenanthrene	**19000**	**3900**	**ug/kg**	**93**
Phenol	**150 J**	**3900**	**ug/kg**	**80**
Pyrene	**17000**	**3900**	**ug/kg**	**95**
2,4,5-Trichlorophenol	ND	3900	ug/kg	220
2,4,6-Trichlorophenol	ND	3900	ug/kg	67

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THE RETEC GROUP INC

Client Sample ID: SW04 (0-62) DL

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-004 Work Order #...: GKT912AD Matrix.....: SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	65	(35 - 116)
2-Fluorobiphenyl	67	(43 - 110)
2-Fluorophenol	65	(11 - 116)
Nitrobenzene-d5	61	(42 - 110)
Phenol-d5	70	(25 - 115)
Terphenyl-d14	50	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW05 (0-57)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-005	**Work Order #...:**	GKT921AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4196043	**Analysis Time..:**	15:11		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	11	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1900	ug/kg	150
Acenaphthylene	**740 J**	**1900**	**ug/kg**	**170**
Acetophenone	ND	1900	ug/kg	280
Anthracene	**500 J**	**1900**	**ug/kg**	**180**
Atrazine	ND	1900	ug/kg	270
Benzo(a)anthracene	**2800**	**1900**	**ug/kg**	**180**
Benzo(a)pyrene	**5000**	**1900**	**ug/kg**	**170**
Benzo(b)fluoranthene	**5800**	**1900**	**ug/kg**	**250**
Benzo(ghi)perylene	**3900**	**1900**	**ug/kg**	**160**
Benzo(k)fluoranthene	**2500**	**1900**	**ug/kg**	**240**
Benzaldehyde	ND	1900	ug/kg	380
1,1'-Biphenyl	ND	1900	ug/kg	210
bis(2-Chloroethoxy) methane	ND	1900	ug/kg	210
bis(2-Chloroethyl)-ether	ND	1900	ug/kg	210
bis(2-Ethylhexyl) phthalate	ND	1900	ug/kg	180
4-Bromophenyl phenyl ether	ND	1900	ug/kg	150
Butyl benzyl phthalate	ND	1900	ug/kg	200
Caprolactam	ND	1900	ug/kg	270
Carbazole	**210 J**	**1900**	**ug/kg**	**160**
4-Chloroaniline	ND	1900	ug/kg	130
4-Chloro-3-methylphenol	ND	1900	ug/kg	160
2-Chloronaphthalene	ND	1900	ug/kg	170
2-Chlorophenol	ND	1900	ug/kg	320
4-Chlorophenyl phenyl ether	ND	1900	ug/kg	130
Chrysene	**3100**	**1900**	**ug/kg**	**180**
Dibenz(a,h)anthracene	**1300 J**	**1900**	**ug/kg**	**120**
Dibenzofuran	ND	1900	ug/kg	180
3,3'-Dichlorobenzidine	ND	9000	ug/kg	110
2,4-Dichlorophenol	ND	1900	ug/kg	190
Diethyl phthalate	ND	1900	ug/kg	170
2,4-Dimethylphenol	**210 J**	**1900**	**ug/kg**	**160**
Dimethyl phthalate	ND	1900	ug/kg	150

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THE RETEC GROUP INC

Client Sample ID: SW05 (0-57)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-005 **Work Order #...:** GKT921AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1900	ug/kg	170
4,6-Dinitro-2-methylphenol	ND	9000	ug/kg	120
2,4-Dinitrophenol	ND	9000	ug/kg	2800
2,4-Dinitrotoluene	ND	1900	ug/kg	170
2,6-Dinitrotoluene	ND	1900	ug/kg	140
Di-n-octyl phthalate	ND	1900	ug/kg	160
Fluoranthene	**2200**	**1900**	**ug/kg**	**170**
Fluorene	ND	1900	ug/kg	160
Hexachlorobenzene	ND	1900	ug/kg	150
Hexachlorobutadiene	ND	1900	ug/kg	260
Hexachlorocyclopentadiene	ND	9000	ug/kg	130
Hexachloroethane	ND	1900	ug/kg	260
Indeno(1,2,3-cd)pyrene	**4000**	**1900**	**ug/kg**	**130**
Isophorone	ND	1900	ug/kg	240
2-Methylnaphthalene	**780 J**	**1900**	**ug/kg**	**190**
2-Methylphenol	ND	1900	ug/kg	270
4-Methylphenol	ND	1900	ug/kg	420
Naphthalene	**950 J**	**1900**	**ug/kg**	**190**
2-Nitroaniline	ND	9000	ug/kg	170
3-Nitroaniline	ND	9000	ug/kg	170
4-Nitroaniline	ND	9000	ug/kg	110
Nitrobenzene	ND	1900	ug/kg	230
2-Nitrophenol	ND	1900	ug/kg	250
4-Nitrophenol	ND	9000	ug/kg	130
N-Nitrosodi-n-propylamine	ND	1900	ug/kg	190
N-Nitrosodiphenylamine	ND	1900	ug/kg	210
2,2'-oxybis(1-Chloropropane)	ND	1900	ug/kg	300
Pentachlorophenol	ND	9000	ug/kg	130
Phenanthrene	**790 J**	**1900**	**ug/kg**	**180**
Phenol	ND	1900	ug/kg	200
Pyrene	**1900**	**1900**	**ug/kg**	**200**
2,4,5-Trichlorophenol	ND	1900	ug/kg	180
2,4,6-Trichlorophenol	ND	1900	ug/kg	130

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THE RETEC GROUP INC

Client Sample ID: SW05 (0-57)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-005 **Work Order #...:** GKT921AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	52	(35 - 116)
2-Fluorobiphenyl	59	(43 - 110)
2-Fluorophenol	61	(11 - 116)
Nitrobenzene-d5	61	(42 - 110)
Phenol-d5	62	(25 - 115)
Terphenyl-d14	46	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW06 (40-90)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-006	Work Order #...:	GKT961AD	Matrix.....:	SO
Date Sampled...:	07/08/04 14:30	Date Received..:	07/10/04 10:00	MS Run #.....:	4196030
Prep Date.....:	07/14/04	Analysis Date..:	07/14/04		
Prep Batch #...:	4196043	Analysis Time..:	15:39		
Dilution Factor:	20	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	18	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**6700 J**	**8000**	**ug/kg**	**630**
Acenaphthylene	**17000**	**8000**	**ug/kg**	**740**
Acetophenone	ND	8000	ug/kg	1200
Anthracene	**27000**	**8000**	**ug/kg**	**770**
Atrazine	ND	8000	ug/kg	1200
Benzo(a)anthracene	**23000**	**8000**	**ug/kg**	**800**
Benzo(a)pyrene	**17000**	**8000**	**ug/kg**	**730**
Benzo(b)fluoranthene	**18000**	**8000**	**ug/kg**	**1100**
Benzo(ghi)perylene	**7600 J**	**8000**	**ug/kg**	**700**
Benzo(k)fluoranthene	**7100 J**	**8000**	**ug/kg**	**1000**
Benzaldehyde	ND	8000	ug/kg	1700
1,1'-Biphenyl	**6300 J**	**8000**	**ug/kg**	**930**
bis(2-Chloroethoxy) methane	ND	8000	ug/kg	910
bis(2-Chloroethyl)-ether	ND	8000	ug/kg	920
bis(2-Ethylhexyl) phthalate	ND	8000	ug/kg	780
4-Bromophenyl phenyl ether	ND	8000	ug/kg	670
Butyl benzyl phthalate	ND	8000	ug/kg	860
Caprolactam	ND	8000	ug/kg	1200
Carbazole	**10000**	**8000**	**ug/kg**	**700**
4-Chloroaniline	ND	8000	ug/kg	540
4-Chloro-3-methylphenol	ND	8000	ug/kg	680
2-Chloronaphthalene	ND	8000	ug/kg	720
2-Chlorophenol	ND	8000	ug/kg	1400
4-Chlorophenyl phenyl ether	ND	8000	ug/kg	560
Chrysene	**18000**	**8000**	**ug/kg**	**780**
Dibenz(a,h)anthracene	**2600 J**	**8000**	**ug/kg**	**530**
Dibenzofuran	**25000**	**8000**	**ug/kg**	**760**
3,3'-Dichlorobenzidine	ND	39000	ug/kg	480
2,4-Dichlorophenol	ND	8000	ug/kg	840
Diethyl phthalate	ND	8000	ug/kg	740
2,4-Dimethylphenol	**7300 J**	**8000**	**ug/kg**	**700**
Dimethyl phthalate	ND	8000	ug/kg	650

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THE RETEC GROUP INC

Client Sample ID: SW06 (40-90)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-006 **Work Order #...:** GKT961AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	8000	ug/kg	720
4,6-Dinitro-2-methylphenol	ND	39000	ug/kg	520
2,4-Dinitrophenol	ND	39000	ug/kg	12000
2,4-Dinitrotoluene	ND	8000	ug/kg	720
2,6-Dinitrotoluene	ND	8000	ug/kg	600
Di-n-octyl phthalate	ND	8000	ug/kg	700
Fluoranthene	**63000**	**8000**	**ug/kg**	**750**
Fluorene	**27000**	**8000**	**ug/kg**	**700**
Hexachlorobenzene	ND	8000	ug/kg	660
Hexachlorobutadiene	ND	8000	ug/kg	1100
Hexachlorocyclopentadiene	ND	39000	ug/kg	540
Hexachloroethane	ND	8000	ug/kg	1100
Indeno(1,2,3-cd)pyrene	**8200**	**8000**	**ug/kg**	**570**
Isophorone	ND	8000	ug/kg	1100
2-Methylnaphthalene	**34000**	**8000**	**ug/kg**	**830**
2-Methylphenol	**6100 J**	**8000**	**ug/kg**	**1200**
4-Methylphenol	**19000**	**8000**	**ug/kg**	**1800**
Naphthalene	**120000**	**8000**	**ug/kg**	**830**
2-Nitroaniline	ND	39000	ug/kg	750
3-Nitroaniline	ND	39000	ug/kg	750
4-Nitroaniline	ND	39000	ug/kg	460
Nitrobenzene	ND	8000	ug/kg	1000
2-Nitrophenol	ND	8000	ug/kg	1100
4-Nitrophenol	ND	39000	ug/kg	560
N-Nitrosodi-n-propylamine	ND	8000	ug/kg	810
N-Nitrosodiphenylamine	ND	8000	ug/kg	900
2,2'-oxybis(1-Chloropropane)	ND	8000	ug/kg	1300
Pentachlorophenol	ND	39000	ug/kg	550
Phenanthrene	~~**110000 E**~~ 94000	~~**8000**~~ 20000	**ug/kg**	~~**770**~~ 480
Phenol	**6600 J**	**8000**	**ug/kg**	**880**
Pyrene	**42000**	**8000**	**ug/kg**	**870**
2,4,5-Trichlorophenol	ND	8000	ug/kg	780
2,4,6-Trichlorophenol	ND	8000	ug/kg	560

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The phenanthrene result from the 50-fold dilution was transcribed over the original (20-fold dilution) result because it was over range. GKM 09/15/10

THE RETEC GROUP INC

Client Sample ID: SW06 (40-90)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-006 **Work Order #...:** GKT961AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(35 - 116)
2-Fluorobiphenyl	NC,DIL	(43 - 110)
2-Fluorophenol	NC,DIL	(11 - 116)
Nitrobenzene-d5	NC,DIL	(42 - 110)
Phenol-d5	NC,DIL	(25 - 115)
Terphenyl-d14	NC,DIL	(37 - 137)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

THE RETEC GROUP INC

Client Sample ID: SW06 (40-90) DIL

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-006	Work Order #...:	GKT962AD	Matrix.....:	SO
Date Sampled...:	07/08/04 14:30	Date Received..:	07/10/04 10:00	MS Run #.....:	4196030
Prep Date.....:	07/14/04	Analysis Date..:	07/15/04		
Prep Batch #...:	4196043	Analysis Time..:	10:15		
Dilution Factor:	50	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	18	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**5600 J**	**20000**	**ug/kg**	**440**
Acenaphthylene	**15000 J**	**20000**	**ug/kg**	**420**
Acetophenone	ND	20000	ug/kg	5100
Anthracene	**23000**	**20000**	**ug/kg**	**460**
Atrazine	ND	20000	ug/kg	5100
Benzo(a)anthracene	**20000**	**20000**	**ug/kg**	**440**
Benzo(a)pyrene	**14000 J**	**20000**	**ug/kg**	**340**
Benzo(b)fluoranthene	**15000 J**	**20000**	**ug/kg**	**400**
Benzo(ghi)perylene	**7500 J**	**20000**	**ug/kg**	**380**
Benzo(k)fluoranthene	**6200 J**	**20000**	**ug/kg**	**400**
Benzaldehyde	ND	20000	ug/kg	4500
1,1'-Biphenyl	**5300 J**	**20000**	**ug/kg**	**5100**
bis(2-Chloroethoxy) methane	ND	20000	ug/kg	450
bis(2-Chloroethyl)-ether	ND	20000	ug/kg	390
bis(2-Ethylhexyl) phthalate	ND	20000	ug/kg	1300
4-Bromophenyl phenyl ether	ND	20000	ug/kg	1000
Butyl benzyl phthalate	ND	20000	ug/kg	450
Caprolactam	ND	20000	ug/kg	5100
Carbazole	**8500 J**	**20000**	**ug/kg**	**470**
4-Chloroaniline	ND	20000	ug/kg	1000
4-Chloro-3-methylphenol	ND	20000	ug/kg	440
2-Chloronaphthalene	ND	20000	ug/kg	430
2-Chlorophenol	ND	20000	ug/kg	320
4-Chlorophenyl phenyl ether	ND	20000	ug/kg	410
Chrysene	**15000 J**	**20000**	**ug/kg**	**400**
Dibenz(a,h)anthracene	**2200 J**	**20000**	**ug/kg**	**330**
Dibenzofuran	**22000**	**20000**	**ug/kg**	**460**
3,3'-Dichlorobenzidine	ND	97000	ug/kg	500
2,4-Dichlorophenol	ND	20000	ug/kg	380
Diethyl phthalate	ND	20000	ug/kg	410
2,4-Dimethylphenol	**7500 J**	**20000**	**ug/kg**	**330**
Dimethyl phthalate	ND	20000	ug/kg	420

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THE RETEC GROUP INC

Client Sample ID: SW06 (40-90) DIL

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-006 Work Order #...: GKT962AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	20000	ug/kg	2500
4,6-Dinitro-2-methylphenol	ND	97000	ug/kg	51000
2,4-Dinitrophenol	ND	97000	ug/kg	51000
2,4-Dinitrotoluene	ND	20000	ug/kg	210
2,6-Dinitrotoluene	ND	20000	ug/kg	290
Di-n-octyl phthalate	ND	20000	ug/kg	470
Fluoranthene	**56000**	**20000**	**ug/kg**	**430**
Fluorene	**24000**	**20000**	**ug/kg**	**480**
Hexachlorobenzene	ND	20000	ug/kg	410
Hexachlorobutadiene	ND	20000	ug/kg	400
Hexachlorocyclopentadiene	ND	97000	ug/kg	1600
Hexachloroethane	ND	20000	ug/kg	390
Indeno(1,2,3-cd)pyrene	**7500 J**	**20000**	**ug/kg**	**400**
Isophorone	ND	20000	ug/kg	390
2-Methylnaphthalene	**29000**	**20000**	**ug/kg**	**500**
2-Methylphenol	**5300 J**	**20000**	**ug/kg**	**450**
4-Methylphenol	**16000 J**	**20000**	**ug/kg**	**450**
Naphthalene	**110000**	**20000**	**ug/kg**	**480**
2-Nitroaniline	ND	97000	ug/kg	250
3-Nitroaniline	ND	97000	ug/kg	10000
4-Nitroaniline	ND	97000	ug/kg	280
Nitrobenzene	ND	20000	ug/kg	660
2-Nitrophenol	ND	20000	ug/kg	360
4-Nitrophenol	ND	97000	ug/kg	270
N-Nitrosodi-n-propylamine	ND	20000	ug/kg	410
N-Nitrosodiphenylamine	ND	20000	ug/kg	4200
2,2'-oxybis(1-Chloropropane)	ND	20000	ug/kg	290
Pentachlorophenol	ND	97000	ug/kg	28000
Phenanthrene	**94000**	**20000**	**ug/kg**	**480**
Phenol	**5600 J**	**20000**	**ug/kg**	**420**
Pyrene	**39000**	**20000**	**ug/kg**	**500**
2,4,5-Trichlorophenol	ND	20000	ug/kg	1200
2,4,6-Trichlorophenol	ND	20000	ug/kg	350

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THE RETEC GROUP INC

Client Sample ID: SW06 (40-90) DL

GC/MS Semivolatiles

Lot Sample #...: C4G100151-006 Work Order #...: GKT962AD Matrix.....: SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(35 - 116)
2-Fluorobiphenyl	NC,DIL	(43 - 110)
2-Fluorophenol	NC,DIL	(11 - 116)
Nitrobenzene-d5	NC,DIL	(42 - 110)
Phenol-d5	NC,DIL	(25 - 115)
Terphenyl-d14	NC,DIL	(37 - 137)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW07 (0-47)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-007	**Work Order #...:**	GKT991AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4196043	**Analysis Time..:**	16:08		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	20	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	2100	ug/kg	160
Acenaphthylene	**1000 J**	**2100**	**ug/kg**	**190**
Acetophenone	ND	2100	ug/kg	310
Anthracene	**690 J**	**2100**	**ug/kg**	**200**
Atrazine	ND	2100	ug/kg	300
Benzo(a)anthracene	**2000 J**	**2100**	**ug/kg**	**210**
Benzo(a)pyrene	**2900**	**2100**	**ug/kg**	**190**
Benzo(b)fluoranthene	**3200**	**2100**	**ug/kg**	**280**
Benzo(ghi)perylene	**3000**	**2100**	**ug/kg**	**180**
Benzo(k)fluoranthene	**1200 J**	**2100**	**ug/kg**	**270**
Benzaldehyde	ND	2100	ug/kg	430
1,1'-Biphenyl	ND	2100	ug/kg	240
bis(2-Chloroethoxy) methane	ND	2100	ug/kg	230
bis(2-Chloroethyl)-ether	ND	2100	ug/kg	240
bis(2-Ethylhexyl) phthalate	ND	2100	ug/kg	200
4-Bromophenyl phenyl ether	ND	2100	ug/kg	170
Butyl benzyl phthalate	ND	2100	ug/kg	220
Caprolactam	ND	2100	ug/kg	300
Carbazole	**240 J**	**2100**	**ug/kg**	**180**
4-Chloroaniline	ND	2100	ug/kg	140
4-Chloro-3-methylphenol	ND	2100	ug/kg	180
2-Chloronaphthalene	ND	2100	ug/kg	190
2-Chlorophenol	ND	2100	ug/kg	360
4-Chlorophenyl phenyl ether	ND	2100	ug/kg	140
Chrysene	**2100**	**2100**	**ug/kg**	**200**
Dibenz(a,h)anthracene	**580 J**	**2100**	**ug/kg**	**140**
Dibenzofuran	ND	2100	ug/kg	190
3,3'-Dichlorobenzidine	ND	10000	ug/kg	120
2,4-Dichlorophenol	ND	2100	ug/kg	220
Diethyl phthalate	ND	2100	ug/kg	190
2,4-Dimethylphenol	**180 J**	**2100**	**ug/kg**	**180**
Dimethyl phthalate	ND	2100	ug/kg	170

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THE RETEC GROUP INC

Client Sample ID: SW07 (0-47)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-007 **Work Order #...:** GKT991AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	2100	ug/kg	190
4,6-Dinitro-2-methylphenol	ND	10000	ug/kg	130
2,4-Dinitrophenol	ND	10000	ug/kg	3100
2,4-Dinitrotoluene	ND	2100	ug/kg	190
2,6-Dinitrotoluene	ND	2100	ug/kg	150
Di-n-octyl phthalate	ND	2100	ug/kg	180
Fluoranthene	**3300**	**2100**	**ug/kg**	**190**
Fluorene	**200 J**	**2100**	**ug/kg**	**180**
Hexachlorobenzene	ND	2100	ug/kg	170
Hexachlorobutadiene	ND	2100	ug/kg	280
Hexachlorocyclopentadiene	ND	10000	ug/kg	140
Hexachloroethane	ND	2100	ug/kg	290
Indeno(1,2,3-cd)pyrene	**2200**	**2100**	**ug/kg**	**150**
Isophorone	ND	2100	ug/kg	270
2-Methylnaphthalene	**430 J**	**2100**	**ug/kg**	**210**
2-Methylphenol	ND	2100	ug/kg	300
4-Methylphenol	ND	2100	ug/kg	460
Naphthalene	**660 J**	**2100**	**ug/kg**	**210**
2-Nitroaniline	ND	10000	ug/kg	190
3-Nitroaniline	ND	10000	ug/kg	190
4-Nitroaniline	ND	10000	ug/kg	120
Nitrobenzene	ND	2100	ug/kg	260
2-Nitrophenol	ND	2100	ug/kg	280
4-Nitrophenol	ND	10000	ug/kg	140
N-Nitrosodi-n-propylamine	ND	2100	ug/kg	210
N-Nitrosodiphenylamine	ND	2100	ug/kg	230
2,2'-oxybis(1-Chloropropane)	ND	2100	ug/kg	340
Pentachlorophenol	ND	10000	ug/kg	140
Phenanthrene	**1600 J**	**2100**	**ug/kg**	**200**
Phenol	ND	2100	ug/kg	230
Pyrene	**2800**	**2100**	**ug/kg**	**220**
2,4,5-Trichlorophenol	ND	2100	ug/kg	200
2,4,6-Trichlorophenol	ND	2100	ug/kg	140

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THE RETEC GROUP INC

Client Sample ID: SW07 (0-47)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-007 **Work Order #...:** GKT991AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	51	(35 - 116)
2-Fluorobiphenyl	56	(43 - 110)
2-Fluorophenol	61	(11 - 116)
Nitrobenzene-d5	60	(42 - 110)
Phenol-d5	64	(25 - 115)
Terphenyl-d14	46	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW08 (0-51)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-008	**Work Order #...:**	GKVAE1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4196043	**Analysis Time..:**	16:37		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	24	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**330 J**	**2200**	**ug/kg**	**170**
Acenaphthylene	**840 J**	**2200**	**ug/kg**	**200**
Acetophenone	ND	2200	ug/kg	320
Anthracene	**1300 J**	**2200**	**ug/kg**	**210**
Atrazine	ND	2200	ug/kg	310
Benzo(a)anthracene	**5600**	**2200**	**ug/kg**	**210**
Benzo(a)pyrene	**6200**	**2200**	**ug/kg**	**200**
Benzo(b)fluoranthene	**7200**	**2200**	**ug/kg**	**290**
Benzo(ghi)perylene	**3900**	**2200**	**ug/kg**	**190**
Benzo(k)fluoranthene	**3100**	**2200**	**ug/kg**	**280**
Benzaldehyde	ND	2200	ug/kg	440
1,1'-Biphenyl	ND	2200	ug/kg	250
bis(2-Chloroethoxy) methane	ND	2200	ug/kg	240
bis(2-Chloroethyl)-ether	ND	2200	ug/kg	250
bis(2-Ethylhexyl) phthalate	ND	2200	ug/kg	210
4-Bromophenyl phenyl ether	ND	2200	ug/kg	180
Butyl benzyl phthalate	ND	2200	ug/kg	230
Caprolactam	ND	2200	ug/kg	310
Carbazole	**540 J**	**2200**	**ug/kg**	**190**
4-Chloroaniline	ND	2200	ug/kg	150
4-Chloro-3-methylphenol	ND	2200	ug/kg	180
2-Chloronaphthalene	ND	2200	ug/kg	190
2-Chlorophenol	ND	2200	ug/kg	370
4-Chlorophenyl phenyl ether	ND	2200	ug/kg	150
Chrysene	**5800**	**2200**	**ug/kg**	**210**
Dibenz(a,h)anthracene	**980 J**	**2200**	**ug/kg**	**140**
Dibenzofuran	ND	2200	ug/kg	200
3,3'-Dichlorobenzidine	ND	10000	ug/kg	130
2,4-Dichlorophenol	ND	2200	ug/kg	230
Diethyl phthalate	ND	2200	ug/kg	200
2,4-Dimethylphenol	ND	2200	ug/kg	190
Dimethyl phthalate	ND	2200	ug/kg	180

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THE RETEC GROUP INC

Client Sample ID: SW08 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-008 **Work Order #...:** GKVAE1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	2200	ug/kg	190
4,6-Dinitro-2-methylphenol	ND	10000	ug/kg	140
2,4-Dinitrophenol	ND	10000	ug/kg	3300
2,4-Dinitrotoluene	ND	2200	ug/kg	200
2,6-Dinitrotoluene	ND	2200	ug/kg	160
Di-n-octyl phthalate	ND	2200	ug/kg	190
Fluoranthene	**10000**	**2200**	**ug/kg**	**200**
Fluorene	**330 J**	**2200**	**ug/kg**	**190**
Hexachlorobenzene	ND	2200	ug/kg	180
Hexachlorobutadiene	ND	2200	ug/kg	300
Hexachlorocyclopentadiene	ND	10000	ug/kg	150
Hexachloroethane	ND	2200	ug/kg	300
Indeno(1,2,3-cd)pyrene	**3400**	**2200**	**ug/kg**	**150**
Isophorone	ND	2200	ug/kg	280
2-Methylnaphthalene	**240 J**	**2200**	**ug/kg**	**220**
2-Methylphenol	ND	2200	ug/kg	320
4-Methylphenol	ND	2200	ug/kg	490
Naphthalene	**350 J**	**2200**	**ug/kg**	**220**
2-Nitroaniline	ND	10000	ug/kg	200
3-Nitroaniline	ND	10000	ug/kg	200
4-Nitroaniline	ND	10000	ug/kg	120
Nitrobenzene	ND	2200	ug/kg	270
2-Nitrophenol	ND	2200	ug/kg	300
4-Nitrophenol	ND	10000	ug/kg	150
N-Nitrosodi-n-propylamine	ND	2200	ug/kg	220
N-Nitrosodiphenylamine	ND	2200	ug/kg	240
2,2'-oxybis(1-Chloropropane)	ND	2200	ug/kg	350
Pentachlorophenol	ND	10000	ug/kg	150
Phenanthrene	**3800**	**2200**	**ug/kg**	**210**
Phenol	ND	2200	ug/kg	240
Pyrene	**7800**	**2200**	**ug/kg**	**230**
2,4,5-Trichlorophenol	ND	2200	ug/kg	210
2,4,6-Trichlorophenol	ND	2200	ug/kg	150

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THE RETEC GROUP INC

Client Sample ID: SW08 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-008 **Work Order #...:** GKVAE1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	60	(35 - 116)
2-Fluorobiphenyl	63	(43 - 110)
2-Fluorophenol	67	(11 - 116)
Nitrobenzene-d5	66	(42 - 110)
Phenol-d5	69	(25 - 115)
Terphenyl-d14	53	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW09 (0-51)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-009	**Work Order #...:**	GKVAK1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/14/04		
Prep Batch #...:	4196043	**Analysis Time..:**	17:06		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	11	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**2400**	**1800**	**ug/kg**	**150**
Acenaphthylene	**1900**	**1800**	**ug/kg**	**170**
Acetophenone	ND	1800	ug/kg	280
Anthracene	**6200**	**1800**	**ug/kg**	**180**
Atrazine	ND	1800	ug/kg	270
Benzo(a)anthracene	~~16000 E~~ 18000	~~1800~~ 7400	**ug/kg**	~~180~~ 160
Benzo(a)pyrene	~~16000 E~~ 15000	~~1800~~ 7400	**ug/kg**	~~170~~ 130
Benzo(b)fluoranthene	~~24000 E~~ 20000	~~1800~~ 7400	**ug/kg**	~~250~~ 150
Benzo(ghi)perylene	**5500**	**1800**	**ug/kg**	**160**
Benzo(k)fluoranthene	**7700**	**1800**	**ug/kg**	**240**
Benzaldehyde	ND	1800	ug/kg	380
1,1'-Biphenyl	ND	1800	ug/kg	210
bis(2-Chloroethoxy) methane	ND	1800	ug/kg	210
bis(2-Chloroethyl)-ether	ND	1800	ug/kg	210
bis(2-Ethylhexyl) phthalate	ND	1800	ug/kg	180
4-Bromophenyl phenyl ether	ND	1800	ug/kg	150
Butyl benzyl phthalate	ND	1800	ug/kg	200
Caprolactam	ND	1800	ug/kg	270
Carbazole	**1500 J**	**1800**	**ug/kg**	**160**
4-Chloroaniline	ND	1800	ug/kg	130
4-Chloro-3-methylphenol	ND	1800	ug/kg	160
2-Chloronaphthalene	ND	1800	ug/kg	170
2-Chlorophenol	ND	1800	ug/kg	320
4-Chlorophenyl phenyl ether	ND	1800	ug/kg	130
Chrysene	~~15000 E~~ 16000	~~1800~~ 7400	**ug/kg**	~~180~~ 150
Dibenz(a,h)anthracene	**2000**	**1800**	**ug/kg**	**120**
Dibenzofuran	**1600 J**	**1800**	**ug/kg**	**170**
3,3'-Dichlorobenzidine	ND	9000	ug/kg	110
2,4-Dichlorophenol	ND	1800	ug/kg	190
Diethyl phthalate	ND	1800	ug/kg	170
2,4-Dimethylphenol	**160 J**	**1800**	**ug/kg**	**160**
Dimethyl phthalate	ND	1800	ug/kg	150

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THE RETEC GROUP INC

Client Sample ID: SW09 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-009 **Work Order #...: GKVAK1AD** **Matrix.....: SO**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1800	ug/kg	170
4,6-Dinitro-2-methylphenol	ND	9000	ug/kg	120
2,4-Dinitrophenol	ND	9000	ug/kg	2800
2,4-Dinitrotoluene	ND	1800	ug/kg	170
2,6-Dinitrotoluene	ND	1800	ug/kg	140
Di-n-octyl phthalate	ND	1800	ug/kg	160
Fluoranthene	~~**38000 B**~~ 38000	~~**1800**~~ 7400	**ug/kg**	~~**170**~~ 160
Fluorene	**2100**	**1800**	**ug/kg**	**160**
Hexachlorobenzene	ND	1800	ug/kg	150
Hexachlorobutadiene	ND	1800	ug/kg	250
Hexachlorocyclopentadiene	ND	9000	ug/kg	130
Hexachloroethane	ND	1800	ug/kg	260
Indeno(1,2,3-cd)pyrene	**6300**	**1800**	**ug/kg**	**130**
Isophorone	ND	1800	ug/kg	240
2-Methylnaphthalene	**530 J**	**1800**	**ug/kg**	**190**
2-Methylphenol	ND	1800	ug/kg	270
4-Methylphenol	ND	1800	ug/kg	420
Naphthalene	**990 J**	**1800**	**ug/kg**	**190**
2-Nitroaniline	ND	9000	ug/kg	170
3-Nitroaniline	ND	9000	ug/kg	170
4-Nitroaniline	ND	9000	ug/kg	110
Nitrobenzene	ND	1800	ug/kg	230
2-Nitrophenol	ND	1800	ug/kg	250
4-Nitrophenol	ND	9000	ug/kg	130
N-Nitrosodi-n-propylamine	ND	1800	ug/kg	190
N-Nitrosodiphenylamine	ND	1800	ug/kg	210
2,2'-oxybis(1-Chloropropane)	ND	1800	ug/kg	300
Pentachlorophenol	ND	9000	ug/kg	130
Phenanthrene	~~**22000 B**~~ 23000	~~**1800**~~ 7400	**ug/kg**	~~**180**~~ 180
Phenol	ND	1800	ug/kg	200
Pyrene	~~**23000 B**~~ 28000	~~**1800**~~ 7400	**ug/kg**	~~**200**~~ 180
2,4,5-Trichlorophenol	ND	1800	ug/kg	180
2,4,6-Trichlorophenol	ND	1800	ug/kg	130

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The 5-. 20-fold dilution results for several PAHs were transcribed over the original (5-fold dilution) results because they were over range. GAH 09/15/04

THE RETEC GROUP INC

Client Sample ID: SW09 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-009 **Work Order #...:** GKVAK1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	83	(35 - 116)
2-Fluorobiphenyl	81	(43 - 110)
2-Fluorophenol	84	(11 - 116)
Nitrobenzene-d5	81	(42 - 110)
Phenol-d5	87	(25 - 115)
Terphenyl-d14	54	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW09 (0-51) BIL

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-009	**Work Order #...:**	GKVAK2AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	10:44		
Dilution Factor:	20	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	11	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**2600 J**	**7400**	**ug/kg**	**160**
Acenaphthylene	**2000 J**	**7400**	**ug/kg**	**160**
Acetophenone	ND	7400	ug/kg	1900
Anthracene	**6700 J**	**7400**	**ug/kg**	**170**
Atrazine	ND	7400	ug/kg	1900
Benzo(a)anthracene	**18000**	**7400**	**ug/kg**	**160**
Benzo(a)pyrene	**15000**	**7400**	**ug/kg**	**130**
Benzo(b)fluoranthene	**20000**	**7400**	**ug/kg**	**150**
Benzo(ghi)perylene	**10000**	**7400**	**ug/kg**	**140**
Benzo(k)fluoranthene	**7500**	**7400**	**ug/kg**	**150**
Benzaldehyde	ND	7400	ug/kg	1700
1,1'-Biphenyl	ND	7400	ug/kg	1900
bis(2-Chloroethoxy) methane	ND	7400	ug/kg	170
bis(2-Chloroethyl)-ether	ND	7400	ug/kg	150
bis(2-Ethylhexyl) phthalate	ND	7400	ug/kg	460
4-Bromophenyl phenyl ether	ND	7400	ug/kg	370
Butyl benzyl phthalate	ND	7400	ug/kg	170
Caprolactam	ND	7400	ug/kg	1900
Carbazole	**1500 J**	**7400**	**ug/kg**	**170**
4-Chloroaniline	ND	7400	ug/kg	370
4-Chloro-3-methylphenol	ND	7400	ug/kg	160
2-Chloronaphthalene	ND	7400	ug/kg	160
2-Chlorophenol	ND	7400	ug/kg	120
4-Chlorophenyl phenyl ether	ND	7400	ug/kg	150
Chrysene	**16000**	**7400**	**ug/kg**	**150**
Dibenz(a,h)anthracene	**3200 J**	**7400**	**ug/kg**	**120**
Dibenzofuran	**1700 J**	**7400**	**ug/kg**	**170**
3,3'-Dichlorobenzidine	ND	36000	ug/kg	180
2,4-Dichlorophenol	ND	7400	ug/kg	140
Diethyl phthalate	ND	7400	ug/kg	150
2,4-Dimethylphenol	ND	7400	ug/kg	120
Dimethyl phthalate	ND	7400	ug/kg	160

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THE RETEC GROUP INC

Client Sample ID: SW09 (0-51) DIL

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-009 **Work Order #...:** GKVAK2AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	7400	ug/kg	910
4,6-Dinitro-2-methylphenol	ND	36000	ug/kg	19000
2,4-Dinitrophenol	ND	36000	ug/kg	19000
2,4-Dinitrotoluene	ND	7400	ug/kg	78
2,6-Dinitrotoluene	ND	7400	ug/kg	110
Di-n-octyl phthalate	ND	7400	ug/kg	170
Fluoranthene	**38000**	**7400**	**ug/kg**	**160**
Fluorene	**2300 J**	**7400**	**ug/kg**	**180**
Hexachlorobenzene	ND	7400	ug/kg	150
Hexachlorobutadiene	ND	7400	ug/kg	150
Hexachlorocyclopentadiene	ND	36000	ug/kg	600
Hexachloroethane	ND	7400	ug/kg	140
Indeno(1,2,3-cd)pyrene	**11000**	**7400**	**ug/kg**	**150**
Isophorone	ND	7400	ug/kg	140
2-Methylnaphthalene	**580 J**	**7400**	**ug/kg**	**180**
2-Methylphenol	ND	7400	ug/kg	170
4-Methylphenol	ND	7400	ug/kg	170
Naphthalene	**1100 J**	**7400**	**ug/kg**	**180**
2-Nitroaniline	ND	36000	ug/kg	93
3-Nitroaniline	ND	36000	ug/kg	3800
4-Nitroaniline	ND	36000	ug/kg	100
Nitrobenzene	ND	7400	ug/kg	240
2-Nitrophenol	ND	7400	ug/kg	130
4-Nitrophenol	ND	36000	ug/kg	100
N-Nitrosodi-n-propylamine	ND	7400	ug/kg	150
N-Nitrosodiphenylamine	ND	7400	ug/kg	1600
2,2'-oxybis(1-Chloropropane)	ND	7400	ug/kg	110
Pentachlorophenol	ND	36000	ug/kg	10000
Phenanthrene	**23000**	**7400**	**ug/kg**	**180**
Phenol	ND	7400	ug/kg	150
Pyrene	**28000**	**7400**	**ug/kg**	**180**
2,4,5-Trichlorophenol	ND	7400	ug/kg	430
2,4,6-Trichlorophenol	ND	7400	ug/kg	130

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THE RETEC GROUP INC

Client Sample ID: SW09 (0-51) DIL

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-009 **Work Order #...:** GKVAK2AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(35 - 116)
2-Fluorobiphenyl	NC,DIL	(43 - 110)
2-Fluorophenol	NC,DIL	(11 - 116)
Nitrobenzene-d5	NC,DIL	(42 - 110)
Phenol-d5	NC,DIL	(25 - 115)
Terphenyl-d14	NC,DIL	(37 - 137)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB01 (51)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-010	Work Order #...:	GKVAQ1AD	Matrix.....:	SO
Date Sampled...:	07/08/04	Date Received..:	07/10/04	MS Run #.....:	4196030
Prep Date.....:	07/14/04	Analysis Date..:	07/14/04		
Prep Batch #...:	4196043	Analysis Time..:	17:35		
Dilution Factor:	5	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	13	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**1200 J**	**1900**	**ug/kg**	**150**
Acenaphthylene	**3100**	**1900**	**ug/kg**	**170**
Acetophenone	ND	1900	ug/kg	280
Anthracene	**4900**	**1900**	**ug/kg**	**180**
Atrazine	ND	1900	ug/kg	270
Benzo(a)anthracene	**15000**	**1900**	**ug/kg**	**190**
Benzo(a)pyrene	~~21000 E~~ 17000	~~1900~~ 7600	ug/kg	~~170~~ 130
Benzo(b)fluoranthene	~~29000 E~~ 19000	~~1900~~ 7600	ug/kg	~~260~~ 150
Benzo(ghi)perylene	**6300**	**1900**	**ug/kg**	**170**
Benzo(k)fluoranthene	**10000**	**1900**	**ug/kg**	**250**
Benzaldehyde	ND	1900	ug/kg	390
1,1'-Biphenyl	**640 J**	**1900**	**ug/kg**	**220**
bis(2-Chloroethoxy) methane	ND	1900	ug/kg	210
bis(2-Chloroethyl)-ether	ND	1900	ug/kg	220
bis(2-Ethylhexyl) phthalate	ND	1900	ug/kg	190
4-Bromophenyl phenyl ether	ND	1900	ug/kg	160
Butyl benzyl phthalate	ND	1900	ug/kg	200
Caprolactam	ND	1900	ug/kg	280
Carbazole	**1700 J**	**1900**	**ug/kg**	**170**
4-Chloroaniline	ND	1900	ug/kg	130
4-Chloro-3-methylphenol	ND	1900	ug/kg	160
2-Chloronaphthalene	ND	1900	ug/kg	170
2-Chlorophenol	ND	1900	ug/kg	330
4-Chlorophenyl phenyl ether	ND	1900	ug/kg	130
Chrysene	**14000**	**1900**	**ug/kg**	**190**
Dibenz(a,h)anthracene	**2400**	**1900**	**ug/kg**	**130**
Dibenzofuran	**2400**	**1900**	**ug/kg**	**180**
3,3'-Dichlorobenzidine	ND	9200	ug/kg	110
2,4-Dichlorophenol	ND	1900	ug/kg	200
Diethyl phthalate	ND	1900	ug/kg	180
2,4-Dimethylphenol	**480 J**	**1900**	**ug/kg**	**170**
Dimethyl phthalate	ND	1900	ug/kg	150

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THE RETEC GROUP INC

Client Sample ID: SB01 (51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-010 Work Order #...: GKVAQ1AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1900	ug/kg	170
4,6-Dinitro-2-methylphenol	ND	9200	ug/kg	120
2,4-Dinitrophenol	ND	9200	ug/kg	2900
2,4-Dinitrotoluene	ND	1900	ug/kg	170
2,6-Dinitrotoluene	ND	1900	ug/kg	140
Di-n-octyl phthalate	ND	1900	ug/kg	170
Fluoranthene	~~25000 B~~ 21000	~~1900~~ 7600	ug/kg	~~180~~ 160
Fluorene	2700	1900	ug/kg	170
Hexachlorobenzene	ND	1900	ug/kg	160
Hexachlorobutadiene	ND	1900	ug/kg	260
Hexachlorocyclopentadiene	ND	9200	ug/kg	130
Hexachloroethane	ND	1900	ug/kg	260
Indeno(1,2,3-cd)pyrene	7100	1900	ug/kg	130
Isophorone	ND	1900	ug/kg	250
2-Methylnaphthalene	4300	1900	ug/kg	200
2-Methylphenol	ND	1900	ug/kg	280
4-Methylphenol	550 J	1900	ug/kg	430
Naphthalene	15000	1900	ug/kg	200
2-Nitroaniline	ND	9200	ug/kg	180
3-Nitroaniline	ND	9200	ug/kg	180
4-Nitroaniline	ND	9200	ug/kg	110
Nitrobenzene	ND	1900	ug/kg	240
2-Nitrophenol	ND	1900	ug/kg	260
4-Nitrophenol	ND	9200	ug/kg	130
N-Nitrosodi-n-propylamine	ND	1900	ug/kg	190
N-Nitrosodiphenylamine	ND	1900	ug/kg	210
2,2'-oxybis(1-Chloropropane)	ND	1900	ug/kg	310
Pentachlorophenol	ND	9200	ug/kg	130
Phenanthrene	14000	1900	ug/kg	180
Phenol	380 J	1900	ug/kg	210
Pyrene	15000	1900	ug/kg	210
2,4,5-Trichlorophenol	ND	1900	ug/kg	180
2,4,6-Trichlorophenol	ND	1900	ug/kg	130

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The benzo(a)pyrene, benzo(b)fluoranthene, and fluoranthene results from the 20-fold dilution were transcribed over the original (5-fold dilution) results because they were over range. GKM 09/15/04

THE RETEC GROUP INC

Client Sample ID: SB01 (51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-010 Work Order #...: GKVAQ1AD Matrix.....: SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	75	(35 - 116)
2-Fluorobiphenyl	74	(43 - 110)
2-Fluorophenol	78	(11 - 116)
Nitrobenzene-d5	81	(42 - 110)
Phenol-d5	79	(25 - 115)
Terphenyl-d14	47	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

THE RETEC GROUP INC

Client Sample ID: SB01 (51) DIL

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-010 Work Order #...: GKVAQ2AD Matrix.....: SO
Date Sampled...: 07/08/04 14:30 Date Received..: 07/10/04 10:00 MS Run #.....: 4196030
Prep Date.....: 07/14/04 Analysis Date..: 07/15/04
Prep Batch #...: 4196043 Analysis Time..: 11:13
Dilution Factor: 20 Initial Wgt/Vol: 15 g Final Wgt/Vol..: 0.5 mL
% Moisture.....: 13 Analyst ID.....: 007062 Instrument ID..: 722
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**1100 J**	**7600**	**ug/kg**	**170**
Acenaphthylene	**2800 J**	**7600**	**ug/kg**	**160**
Acetophenone	ND	7600	ug/kg	1900
Anthracene	**4500 J**	**7600**	**ug/kg**	**180**
Atrazine	ND	7600	ug/kg	1900
Benzo(a)anthracene	**15000**	**7600**	**ug/kg**	**170**
Benzo(a)pyrene	**17000**	**7600**	**ug/kg**	**130**
Benzo(b)fluoranthene	**19000**	**7600**	**ug/kg**	**150**
Benzo(ghi)perylene	**11000**	**7600**	**ug/kg**	**150**
Benzo(k)fluoranthene	**7700**	**7600**	**ug/kg**	**150**
Benzaldehyde	ND	7600	ug/kg	1700
1,1'-Biphenyl	ND	7600	ug/kg	1900
bis(2-Chloroethoxy) methane	ND	7600	ug/kg	170
bis(2-Chloroethyl)-ether	ND	7600	ug/kg	150
bis(2-Ethylhexyl) phthalate	ND	7600	ug/kg	480
4-Bromophenyl phenyl ether	ND	7600	ug/kg	380
Butyl benzyl phthalate	ND	7600	ug/kg	170
Caprolactam	ND	7600	ug/kg	1900
Carbazole	**1600 J**	**7600**	**ug/kg**	**180**
4-Chloroaniline	ND	7600	ug/kg	380
4-Chloro-3-methylphenol	ND	7600	ug/kg	170
2-Chloronaphthalene	ND	7600	ug/kg	160
2-Chlorophenol	ND	7600	ug/kg	120
4-Chlorophenyl phenyl ether	ND	7600	ug/kg	160
Chrysene	**13000**	**7600**	**ug/kg**	**150**
Dibenz(a,h)anthracene	**3600 J**	**7600**	**ug/kg**	**130**
Dibenzofuran	**2300 J**	**7600**	**ug/kg**	**170**
3,3'-Dichlorobenzidine	ND	37000	ug/kg	190
2,4-Dichlorophenol	ND	7600	ug/kg	140
Diethyl phthalate	ND	7600	ug/kg	160
2,4-Dimethylphenol	**510 J**	**7600**	**ug/kg**	**120**
Dimethyl phthalate	ND	7600	ug/kg	160

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THE RETEC GROUP INC

Client Sample ID: SB01 (51) DIL

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-010 Work Order #...: GKVAQ2AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	7600	ug/kg	940
4,6-Dinitro-2-methylphenol	ND	37000	ug/kg	19000
2,4-Dinitrophenol	ND	37000	ug/kg	19000
2,4-Dinitrotoluene	ND	7600	ug/kg	80
2,6-Dinitrotoluene	ND	7600	ug/kg	110
Di-n-octyl phthalate	ND	7600	ug/kg	180
Fluoranthene	**21000**	**7600**	**ug/kg**	**160**
Fluorene	**2600 J**	**7600**	**ug/kg**	**180**
Hexachlorobenzene	ND	7600	ug/kg	150
Hexachlorobutadiene	ND	7600	ug/kg	150
Hexachlorocyclopentadiene	ND	37000	ug/kg	620
Hexachloroethane	ND	7600	ug/kg	150
Indeno(1,2,3-cd)pyrene	**11000**	**7600**	**ug/kg**	**150**
Isophorone	ND	7600	ug/kg	150
2-Methylnaphthalene	**4200 J**	**7600**	**ug/kg**	**190**
2-Methylphenol	ND	7600	ug/kg	170
4-Methylphenol	**510 J**	**7600**	**ug/kg**	**170**
Naphthalene	**14000**	**7600**	**ug/kg**	**180**
2-Nitroaniline	ND	37000	ug/kg	95
3-Nitroaniline	ND	37000	ug/kg	3900
4-Nitroaniline	ND	37000	ug/kg	110
Nitrobenzene	ND	7600	ug/kg	250
2-Nitrophenol	ND	7600	ug/kg	140
4-Nitrophenol	ND	37000	ug/kg	100
N-Nitrosodi-n-propylamine	ND	7600	ug/kg	160
N-Nitrosodiphenylamine	ND	7600	ug/kg	1600
2,2'-oxybis(1-Chloropropane)	ND	7600	ug/kg	110
Pentachlorophenol	ND	37000	ug/kg	11000
Phenanthrene	**14000**	**7600**	**ug/kg**	**180**
Phenol	**270 J**	**7600**	**ug/kg**	**160**
Pyrene	**17000**	**7600**	**ug/kg**	**190**
2,4,5-Trichlorophenol	ND	7600	ug/kg	440
2,4,6-Trichlorophenol	ND	7600	ug/kg	130

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SB01 (51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-010 Work Order #...: GKVAQ2AD Matrix.....: SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(35 - 116)
2-Fluorobiphenyl	NC,DIL	(43 - 110)
2-Fluorophenol	NC,DIL	(11 - 116)
Nitrobenzene-d5	NC,DIL	(42 - 110)
Phenol-d5	NC,DIL	(25 - 115)
Terphenyl-d14	NC,DIL	(37 - 137)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB02 (40)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-011	**Work Order #...:**	GKVAW1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	11:42		
Dilution Factor:	50	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	19	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	20000	ug/kg	1600
Acenaphthylene	**7300 J**	**20000**	**ug/kg**	**1900**
Acetophenone	ND	20000	ug/kg	3100
Anthracene	**2700 J**	**20000**	**ug/kg**	**2000**
Atrazine	ND	20000	ug/kg	2900
Benzo(a)anthracene	**2200 J**	**20000**	**ug/kg**	**2000**
Benzo(a)pyrene	**29000**	**20000**	**ug/kg**	**1900**
Benzo(b)fluoranthene	**58000**	**20000**	**ug/kg**	**2800**
Benzo(ghi)perylene	**18000 J**	**20000**	**ug/kg**	**1800**
Benzo(k)fluoranthene	**28000**	**20000**	**ug/kg**	**2700**
Benzaldehyde	ND	20000	ug/kg	4200
1,1'-Biphenyl	ND	20000	ug/kg	2400
bis(2-Chloroethoxy) methane	ND	20000	ug/kg	2300
bis(2-Chloroethyl)-ether	ND	20000	ug/kg	2300
bis(2-Ethylhexyl) phthalate	ND	20000	ug/kg	2000
4-Bromophenyl phenyl ether	ND	20000	ug/kg	1700
Butyl benzyl phthalate	ND	20000	ug/kg	2200
Caprolactam	ND	20000	ug/kg	3000
Carbazole	ND	20000	ug/kg	1800
4-Chloroaniline	ND	20000	ug/kg	1400
4-Chloro-3-methylphenol	ND	20000	ug/kg	1700
2-Chloronaphthalene	ND	20000	ug/kg	1800
2-Chlorophenol	ND	20000	ug/kg	3500
4-Chlorophenyl phenyl ether	ND	20000	ug/kg	1400
Chrysene	**23000**	**20000**	**ug/kg**	**2000**
Dibenz(a,h)anthracene	**9300 J**	**20000**	**ug/kg**	**1400**
Dibenzofuran	ND	20000	ug/kg	1900
3,3'-Dichlorobenzidine	ND	99000	ug/kg	1200
2,4-Dichlorophenol	ND	20000	ug/kg	2100
Diethyl phthalate	ND	20000	ug/kg	1900
2,4-Dimethylphenol	ND	20000	ug/kg	1800
Dimethyl phthalate	ND	20000	ug/kg	1700

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THE RETEC GROUP INC

Client Sample ID: SB02 (40)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-011 **Work Order #...:** GKVAW1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	20000	ug/kg	1800
4,6-Dinitro-2-methylphenol	ND	99000	ug/kg	1300
2,4-Dinitrophenol	ND	99000	ug/kg	31000
2,4-Dinitrotoluene	ND	20000	ug/kg	1900
2,6-Dinitrotoluene	ND	20000	ug/kg	1500
Di-n-octyl phthalate	ND	20000	ug/kg	1800
Fluoranthene	**2100 J**	**20000**	**ug/kg**	**1900**
Fluorene	ND	20000	ug/kg	1800
Hexachlorobenzene	ND	20000	ug/kg	1700
Hexachlorobutadiene	ND	20000	ug/kg	2800
Hexachlorocyclopentadiene	ND	99000	ug/kg	1400
Hexachloroethane	ND	20000	ug/kg	2800
Indeno(1,2,3-cd)pyrene	**26000**	**20000**	**ug/kg**	**1400**
Isophorone	ND	20000	ug/kg	2700
2-Methylnaphthalene	ND	20000	ug/kg	2100
2-Methylphenol	ND	20000	ug/kg	3000
4-Methylphenol	ND	20000	ug/kg	4600
Naphthalene	ND	20000	ug/kg	2100
2-Nitroaniline	ND	99000	ug/kg	1900
3-Nitroaniline	ND	99000	ug/kg	1900
4-Nitroaniline	ND	99000	ug/kg	1200
Nitrobenzene	ND	20000	ug/kg	2600
2-Nitrophenol	ND	20000	ug/kg	2800
4-Nitrophenol	ND	99000	ug/kg	1400
N-Nitrosodi-n-propylamine	ND	20000	ug/kg	2100
N-Nitrosodiphenylamine	ND	20000	ug/kg	2300
2,2'-oxybis(1-Chloropropane)	ND	20000	ug/kg	3300
Pentachlorophenol	ND	99000	ug/kg	1400
Phenanthrene	ND	20000	ug/kg	2000
Phenol	ND	20000	ug/kg	2200
Pyrene	**4100 J**	**20000**	**ug/kg**	**2200**
2,4,5-Trichlorophenol	ND	20000	ug/kg	2000
2,4,6-Trichlorophenol	ND	20000	ug/kg	1400

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THE RETEC GROUP INC

Client Sample ID: SB02 (40)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-011 **Work Order #...:** GKVAW1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(35 - 116)
2-Fluorobiphenyl	NC,DIL	(43 - 110)
2-Fluorophenol	NC,DIL	(11 - 116)
Nitrobenzene-d5	NC,DIL	(42 - 110)
Phenol-d5	NC,DIL	(25 - 115)
Terphenyl-d14	NC,DIL	(37 - 137)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB03 (51)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-012	Work Order #...:	GKVCA1AD	Matrix.....:	SO
Date Sampled...:	07/08/04 14:30	Date Received..:	07/10/04 10:00	MS Run #.....:	4196030
Prep Date.....:	07/14/04	Analysis Date..:	07/15/04		
Prep Batch #...:	4196043	Analysis Time..:	12:10		
Dilution Factor:	50	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	13	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	19000	ug/kg	1500
Acenaphthylene	**7500 J**	**19000**	**ug/kg**	**1700**
Acetophenone	ND	19000	ug/kg	2800
Anthracene	**7900 J**	**19000**	**ug/kg**	**1800**
Atrazine	ND	19000	ug/kg	2700
Benzo(a)anthracene	**36000**	**19000**	**ug/kg**	**1900**
Benzo(a)pyrene	**31000**	**19000**	**ug/kg**	**1700**
Benzo(b)fluoranthene	**36000**	**19000**	**ug/kg**	**2600**
Benzo(ghi)perylene	**19000**	**19000**	**ug/kg**	**1700**
Benzo(k)fluoranthene	**15000 J**	**19000**	**ug/kg**	**2500**
Benzaldehyde	ND	19000	ug/kg	3900
1,1'-Biphenyl	ND	19000	ug/kg	2200
bis(2-Chloroethoxy) methane	ND	19000	ug/kg	2100
bis(2-Chloroethyl)-ether	ND	19000	ug/kg	2200
bis(2-Ethylhexyl) phthalate	ND	19000	ug/kg	1900
4-Bromophenyl phenyl ether	ND	19000	ug/kg	1600
Butyl benzyl phthalate	ND	19000	ug/kg	2000
Caprolactam	ND	19000	ug/kg	2800
Carbazole	ND	19000	ug/kg	1700
4-Chloroaniline	ND	19000	ug/kg	1300
4-Chloro-3-methylphenol	ND	19000	ug/kg	1600
2-Chloronaphthalene	ND	19000	ug/kg	1700
2-Chlorophenol	ND	19000	ug/kg	3300
4-Chlorophenyl phenyl ether	ND	19000	ug/kg	1300
Chrysene	**30000**	**19000**	**ug/kg**	**1900**
Dibenz(a,h)anthracene	**5600 J**	**19000**	**ug/kg**	**1300**
Dibenzofuran	**1800 J**	**19000**	**ug/kg**	**1800**
3,3'-Dichlorobenzidine	ND	92000	ug/kg	1100
2,4-Dichlorophenol	ND	19000	ug/kg	2000
Diethyl phthalate	ND	19000	ug/kg	1800
2,4-Dimethylphenol	ND	19000	ug/kg	1700
Dimethyl phthalate	ND	19000	ug/kg	1600

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THE RETEC GROUP INC

Client Sample ID: SB03 (51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-012 **Work Order #...:** GKVCA1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	19000	ug/kg	1700
4,6-Dinitro-2-methylphenol	ND	92000	ug/kg	1200
2,4-Dinitrophenol	ND	92000	ug/kg	29000
2,4-Dinitrotoluene	ND	19000	ug/kg	1700
2,6-Dinitrotoluene	ND	19000	ug/kg	1400
Di-n-octyl phthalate	ND	19000	ug/kg	1700
Fluoranthene	**54000**	**19000**	**ug/kg**	**1800**
Fluorene	**2200 J**	**19000**	**ug/kg**	**1700**
Hexachlorobenzene	ND	19000	ug/kg	1600
Hexachlorobutadiene	ND	19000	ug/kg	2600
Hexachlorocyclopentadiene	ND	92000	ug/kg	1300
Hexachloroethane	ND	19000	ug/kg	2600
Indeno(1,2,3-cd)pyrene	**17000 J**	**19000**	**ug/kg**	**1300**
Isophorone	ND	19000	ug/kg	2500
2-Methylnaphthalene	ND	19000	ug/kg	2000
2-Methylphenol	ND	19000	ug/kg	2800
4-Methylphenol	ND	19000	ug/kg	4300
Naphthalene	**2300 J**	**19000**	**ug/kg**	**2000**
2-Nitroaniline	ND	92000	ug/kg	1800
3-Nitroaniline	ND	92000	ug/kg	1800
4-Nitroaniline	ND	92000	ug/kg	1100
Nitrobenzene	ND	19000	ug/kg	2400
2-Nitrophenol	ND	19000	ug/kg	2600
4-Nitrophenol	ND	92000	ug/kg	1300
N-Nitrosodi-n-propylamine	ND	19000	ug/kg	1900
N-Nitrosodiphenylamine	ND	19000	ug/kg	2100
2,2'-oxybis(1-Chloropropane)	ND	19000	ug/kg	3100
Pentachlorophenol	ND	92000	ug/kg	1300
Phenanthrene	**20000**	**19000**	**ug/kg**	**1800**
Phenol	ND	19000	ug/kg	2100
Pyrene	**43000**	**19000**	**ug/kg**	**2100**
2,4,5-Trichlorophenol	ND	19000	ug/kg	1800
2,4,6-Trichlorophenol	ND	19000	ug/kg	1300

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THE RETEC GROUP INC

Client Sample ID: SB03 (51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-012 **Work Order #...:** GKVCA1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(35 - 116)
2-Fluorobiphenyl	NC,DIL	(43 - 110)
2-Fluorophenol	NC,DIL	(11 - 116)
Nitrobenzene-d5	NC,DIL	(42 - 110)
Phenol-d5	NC,DIL	(25 - 115)
Terphenyl-d14	NC,DIL	(37 - 137)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB04 (51)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-013	**Work Order #...:**	GKVCH1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	12:39		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	7.1	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**150 J**	**1800**	**ug/kg**	**140**
Acenaphthylene	**1300 J**	**1800**	**ug/kg**	**160**
Acetophenone	ND	1800	ug/kg	270
Anthracene	**1100 J**	**1800**	**ug/kg**	**170**
Atrazine	ND	1800	ug/kg	260
Benzo(a)anthracene	**4600**	**1800**	**ug/kg**	**180**
Benzo(a)pyrene	**7500 J**	**1800**	**ug/kg**	**160**
Benzo(b)fluoranthene	**8400 J**	**1800**	**ug/kg**	**240**
Benzo(ghi)perylene	**3300 J**	**1800**	**ug/kg**	**150**
Benzo(k)fluoranthene	**3200 J**	**1800**	**ug/kg**	**230**
Benzaldehyde	ND	1800	ug/kg	370
1,1'-Biphenyl	ND	1800	ug/kg	200
bis(2-Chloroethoxy) methane	ND	1800	ug/kg	200
bis(2-Chloroethyl)-ether	ND	1800	ug/kg	200
bis(2-Ethylhexyl) phthalate	ND	1800	ug/kg	170
4-Bromophenyl phenyl ether	ND	1800	ug/kg	150
Butyl benzyl phthalate	ND	1800	ug/kg	190
Caprolactam	ND	1800	ug/kg	260
Carbazole	**730 J**	**1800**	**ug/kg**	**160**
4-Chloroaniline	ND	1800	ug/kg	120
4-Chloro-3-methylphenol	ND	1800	ug/kg	150
2-Chloronaphthalene	ND	1800	ug/kg	160
2-Chlorophenol	ND	1800	ug/kg	310
4-Chlorophenyl phenyl ether	ND	1800	ug/kg	120
Chrysene	**4400**	**1800**	**ug/kg**	**170**
Dibenz(a,h)anthracene	**950 J**	**1800**	**ug/kg**	**120**
Dibenzofuran	**290 J**	**1800**	**ug/kg**	**170**
3,3'-Dichlorobenzidine	ND	8600	ug/kg	110
2,4-Dichlorophenol	ND	1800	ug/kg	190
Diethyl phthalate	ND	1800	ug/kg	160
2,4-Dimethylphenol	**260 J**	**1800**	**ug/kg**	**150**
Dimethyl phthalate	ND	1800	ug/kg	140

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THE RETEC GROUP INC

Client Sample ID: SB04 (51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-013 Work Order #...: GKVCH1AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1800	ug/kg	160
4,6-Dinitro-2-methylphenol	ND	8600	ug/kg	110
2,4-Dinitrophenol	ND	8600	ug/kg	2700
2,4-Dinitrotoluene	ND	1800	ug/kg	160
2,6-Dinitrotoluene	ND	1800	ug/kg	130
Di-n-octyl phthalate	ND	1800	ug/kg	150
Fluoranthene	**7400**	**1800**	**ug/kg**	**170**
Fluorene	**400 J**	**1800**	**ug/kg**	**150**
Hexachlorobenzene	ND	1800	ug/kg	150
Hexachlorobutadiene	ND	1800	ug/kg	240
Hexachlorocyclopentadiene	ND	8600	ug/kg	120
Hexachloroethane	ND	1800	ug/kg	250
Indeno(1,2,3-cd)pyrene	**3400 J**	**1800**	**ug/kg**	**130**
Isophorone	ND	1800	ug/kg	230
2-Methylnaphthalene	**990 J**	**1800**	**ug/kg**	**180**
2-Methylphenol	ND	1800	ug/kg	260
4-Methylphenol	ND	1800	ug/kg	400
Naphthalene	**1400 J**	**1800**	**ug/kg**	**180**
2-Nitroaniline	ND	8600	ug/kg	170
3-Nitroaniline	ND	8600	ug/kg	170
4-Nitroaniline	ND	8600	ug/kg	100
Nitrobenzene	ND	1800	ug/kg	220
2-Nitrophenol	ND	1800	ug/kg	240
4-Nitrophenol	ND	8600	ug/kg	120
N-Nitrosodi-n-propylamine	ND	1800	ug/kg	180
N-Nitrosodiphenylamine	ND	1800	ug/kg	200
2,2'-oxybis(1-Chloropropane)	ND	1800	ug/kg	290
Pentachlorophenol	ND	8600	ug/kg	120
Phenanthrene	**2700**	**1800**	**ug/kg**	**170**
Phenol	ND	1800	ug/kg	190
Pyrene	**5400**	**1800**	**ug/kg**	**190**
2,4,5-Trichlorophenol	ND	1800	ug/kg	170
2,4,6-Trichlorophenol	ND	1800	ug/kg	120

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SB04 (51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-013 **Work Order #...:** GKVCH1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	56	(35 - 116)
2-Fluorobiphenyl	60	(43 - 110)
2-Fluorophenol	69	(11 - 116)
Nitrobenzene-d5	62	(42 - 110)
Phenol-d5	68	(25 - 115)
Terphenyl-d14	41	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB05 (72)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-014	**Work Order #...:**	GKVCM1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	13:08		
Dilution Factor:	50	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	11	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	19000	ug/kg	1500
Acenaphthylene	**7100 J**	**19000**	**ug/kg**	**1700**
Acetophenone	ND	19000	ug/kg	2800
Anthracene	**10000 J**	**19000**	**ug/kg**	**1800**
Atrazine	ND	19000	ug/kg	2700
Benzo(a)anthracene	**32000**	**19000**	**ug/kg**	**1800**
Benzo(a)pyrene	**30000**	**19000**	**ug/kg**	**1700**
Benzo(b)fluoranthene	**36000**	**19000**	**ug/kg**	**2500**
Benzo(ghi)perylene	**14000 J**	**19000**	**ug/kg**	**1600**
Benzo(k)fluoranthene	**14000 J**	**19000**	**ug/kg**	**2400**
Benzaldehyde	ND	19000	ug/kg	3800
1,1'-Biphenyl	ND	19000	ug/kg	2100
bis(2-Chloroethoxy) methane	ND	19000	ug/kg	2100
bis(2-Chloroethyl)- ether	ND	19000	ug/kg	2100
bis(2-Ethylhexyl) phthalate	ND	19000	ug/kg	1800
4-Bromophenyl phenyl ether	ND	19000	ug/kg	1500
Butyl benzyl phthalate	ND	19000	ug/kg	2000
Caprolactam	ND	19000	ug/kg	2700
Carbazole	**2400 J**	**19000**	**ug/kg**	**1600**
4-Chloroaniline	ND	19000	ug/kg	1300
4-Chloro-3-methylphenol	ND	19000	ug/kg	1600
2-Chloronaphthalene	ND	19000	ug/kg	1700
2-Chlorophenol	ND	19000	ug/kg	3200
4-Chlorophenyl phenyl ether	ND	19000	ug/kg	1300
Chrysene	**28000**	**19000**	**ug/kg**	**1800**
Dibenz(a,h)anthracene	**4600 J**	**19000**	**ug/kg**	**1200**
Dibenzofuran	**2900 J**	**19000**	**ug/kg**	**1800**
3,3'-Dichlorobenzidine	ND	90000	ug/kg	1100
2,4-Dichlorophenol	ND	19000	ug/kg	1900
Diethyl phthalate	ND	19000	ug/kg	1700
2,4-Dimethylphenol	ND	19000	ug/kg	1600
Dimethyl phthalate	ND	19000	ug/kg	1500

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SB05 (72)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-014 **Work Order #...:** GKVCM1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	19000	ug/kg	1700
4,6-Dinitro-2-methylphenol	ND	90000	ug/kg	1200
2,4-Dinitrophenol	ND	90000	ug/kg	28000
2,4-Dinitrotoluene	ND	19000	ug/kg	1700
2,6-Dinitrotoluene	ND	19000	ug/kg	1400
Di-n-octyl phthalate	ND	19000	ug/kg	1600
Fluoranthene	**67000**	**19000**	**ug/kg**	**1700**
Fluorene	**2600 J**	**19000**	**ug/kg**	**1600**
Hexachlorobenzene	ND	19000	ug/kg	1500
Hexachlorobutadiene	ND	19000	ug/kg	2600
Hexachlorocyclopentadiene	ND	90000	ug/kg	1300
Hexachloroethane	ND	19000	ug/kg	2600
Indeno(1,2,3-cd)pyrene	**16000 J**	**19000**	**ug/kg**	**1300**
Isophorone	ND	19000	ug/kg	2400
2-Methylnaphthalene	ND	19000	ug/kg	1900
2-Methylphenol	ND	19000	ug/kg	2700
4-Methylphenol	ND	19000	ug/kg	4200
Naphthalene	**4700 J**	**19000**	**ug/kg**	**1900**
2-Nitroaniline	ND	90000	ug/kg	1700
3-Nitroaniline	ND	90000	ug/kg	1700
4-Nitroaniline	ND	90000	ug/kg	1100
Nitrobenzene	ND	19000	ug/kg	2300
2-Nitrophenol	ND	19000	ug/kg	2500
4-Nitrophenol	ND	90000	ug/kg	1300
N-Nitrosodi-n-propylamine	ND	19000	ug/kg	1900
N-Nitrosodiphenylamine	ND	19000	ug/kg	2100
2,2'-oxybis(1-Chloropropane)	ND	19000	ug/kg	3000
Pentachlorophenol	ND	90000	ug/kg	1300
Phenanthrene	**35000**	**19000**	**ug/kg**	**1800**
Phenol	ND	19000	ug/kg	2000
Pyrene	**46000**	**19000**	**ug/kg**	**2000**
2,4,5-Trichlorophenol	ND	19000	ug/kg	1800
2,4,6-Trichlorophenol	ND	19000	ug/kg	1300

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SB05 (72)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-014 Work Order #...: GKVCM1AD Matrix.....: SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(35 - 116)
2-Fluorobiphenyl	NC,DIL	(43 - 110)
2-Fluorophenol	NC,DIL	(11 - 116)
Nitrobenzene-d5	NC,DIL	(42 - 110)
Phenol-d5	NC,DIL	(25 - 115)
Terphenyl-d14	NC,DIL	(37 - 137)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB06 (57)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-015	**Work Order #...:**	GKVCP1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	13:37		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	17	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**1200 J**	**4000**	**ug/kg**	**310**
Acenaphthylene	**3600 J**	**4000**	**ug/kg**	**360**
Acetophenone	ND	4000	ug/kg	590
Anthracene	**5800**	**4000**	**ug/kg**	**380**
Atrazine	ND	4000	ug/kg	570
Benzo(a)anthracene	**11000**	**4000**	**ug/kg**	**390**
Benzo(a)pyrene	**13000 J**	**4000**	**ug/kg**	**360**
Benzo(b)fluoranthene	**16000 J**	**4000**	**ug/kg**	**540**
Benzo(ghi)perylene	**4000 J**	**4000**	**ug/kg**	**350**
Benzo(k)fluoranthene	**6100 J**	**4000**	**ug/kg**	**510**
Benzaldehyde	ND	4000	ug/kg	820
1,1'-Biphenyl	**500 J**	**4000**	**ug/kg**	**460**
bis(2-Chloroethoxy) methane	ND	4000	ug/kg	450
bis(2-Chloroethyl)-ether	ND	4000	ug/kg	450
bis(2-Ethylhexyl) phthalate	ND	4000	ug/kg	390
4-Bromophenyl phenyl ether	ND	4000	ug/kg	330
Butyl benzyl phthalate	ND	4000	ug/kg	420
Caprolactam	ND	4000	ug/kg	570
Carbazole	**1700 J**	**4000**	**ug/kg**	**350**
4-Chloroaniline	ND	4000	ug/kg	270
4-Chloro-3-methylphenol	ND	4000	ug/kg	340
2-Chloronaphthalene	ND	4000	ug/kg	360
2-Chlorophenol	ND	4000	ug/kg	680
4-Chlorophenyl phenyl ether	ND	4000	ug/kg	280
Chrysene	**9200**	**4000**	**ug/kg**	**390**
Dibenz(a,h)anthracene	**1600 J**	**4000**	**ug/kg**	**260**
Dibenzofuran	**2800 J**	**4000**	**ug/kg**	**370**
3,3'-Dichlorobenzidine	ND	19000	ug/kg	240
2,4-Dichlorophenol	ND	4000	ug/kg	420
Diethyl phthalate	ND	4000	ug/kg	370
2,4-Dimethylphenol	**600 J**	**4000**	**ug/kg**	**340**
Dimethyl phthalate	ND	4000	ug/kg	320

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SB06 (57)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-015 Work Order #...: GKVCP1AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	4000	ug/kg	360
4,6-Dinitro-2-methylphenol	ND	19000	ug/kg	260
2,4-Dinitrophenol	ND	19000	ug/kg	6000
2,4-Dinitrotoluene	ND	4000	ug/kg	360
2,6-Dinitrotoluene	ND	4000	ug/kg	300
Di-n-octyl phthalate	ND	4000	ug/kg	350
Fluoranthene	**22000**	**4000**	**ug/kg**	**370**
Fluorene	**3800 J**	**4000**	**ug/kg**	**350**
Hexachlorobenzene	ND	4000	ug/kg	320
Hexachlorobutadiene	ND	4000	ug/kg	550
Hexachlorocyclopentadiene	ND	19000	ug/kg	270
Hexachloroethane	ND	4000	ug/kg	550
Indeno(1,2,3-cd)pyrene	**4900 J**	**4000**	**ug/kg**	**280**
Isophorone	ND	4000	ug/kg	520
2-Methylnaphthalene	**2800 J**	**4000**	**ug/kg**	**410**
2-Methylphenol	ND	4000	ug/kg	580
4-Methylphenol	ND	4000	ug/kg	890
Naphthalene	**7200**	**4000**	**ug/kg**	**410**
2-Nitroaniline	ND	19000	ug/kg	370
3-Nitroaniline	ND	19000	ug/kg	370
4-Nitroaniline	ND	19000	ug/kg	230
Nitrobenzene	ND	4000	ug/kg	490
2-Nitrophenol	ND	4000	ug/kg	540
4-Nitrophenol	ND	19000	ug/kg	280
N-Nitrosodi-n-propylamine	ND	4000	ug/kg	400
N-Nitrosodiphenylamine	ND	4000	ug/kg	440
2,2'-oxybis(1-Chloropropane)	ND	4000	ug/kg	650
Pentachlorophenol	ND	19000	ug/kg	270
Phenanthrene	**19000**	**4000**	**ug/kg**	**380**
Phenol	ND	4000	ug/kg	440
Pyrene	**13000**	**4000**	**ug/kg**	**430**
2,4,5-Trichlorophenol	ND	4000	ug/kg	380
2,4,6-Trichlorophenol	ND	4000	ug/kg	280

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THE RETEC GROUP INC

Client Sample ID: SB06 (57)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-015 **Work Order #...:** GKVCP1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	50	(35 - 116)
2-Fluorobiphenyl	55	(43 - 110)
2-Fluorophenol	72	(11 - 116)
Nitrobenzene-d5	63	(42 - 110)
Phenol-d5	71	(25 - 115)
Terphenyl-d14	37	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SB07 (62)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-016	Work Order #...:	GKVCT1AD	Matrix.....:	SO
Date Sampled...:	07/08/04 14:30	Date Received..:	07/10/04 10:00	MS Run #.....:	4196030
Prep Date.....:	07/14/04	Analysis Date..:	07/15/04		
Prep Batch #...:	4196043	Analysis Time..:	14:05		
Dilution Factor:	5	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	11	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**320 J**	**1800**	**ug/kg**	**150**
Acenaphthylene	**870 J**	**1800**	**ug/kg**	**170**
Acetophenone	ND	1800	ug/kg	280
Anthracene	**1200 J**	**1800**	**ug/kg**	**180**
Atrazine	ND	1800	ug/kg	270
Benzo(a)anthracene	**4700**	**1800**	**ug/kg**	**180**
Benzo(a)pyrene	**5600**	**1800**	**ug/kg**	**170**
Benzo(b)fluoranthene	**7300**	**1800**	**ug/kg**	**250**
Benzo(ghi)perylene	**1600 J**	**1800**	**ug/kg**	**160**
Benzo(k)fluoranthene	**2500**	**1800**	**ug/kg**	**240**
Benzaldehyde	ND	1800	ug/kg	380
1,1'-Biphenyl	ND	1800	ug/kg	210
bis(2-Chloroethoxy) methane	ND	1800	ug/kg	210
bis(2-Chloroethyl)-ether	ND	1800	ug/kg	210
bis(2-Ethylhexyl) phthalate	ND	1800	ug/kg	180
4-Bromophenyl phenyl ether	ND	1800	ug/kg	150
Butyl benzyl phthalate	ND	1800	ug/kg	200
Caprolactam	ND	1800	ug/kg	270
Carbazole	**470 J**	**1800**	**ug/kg**	**160**
4-Chloroaniline	ND	1800	ug/kg	130
4-Chloro-3-methylphenol	ND	1800	ug/kg	160
2-Chloronaphthalene	ND	1800	ug/kg	170
2-Chlorophenol	ND	1800	ug/kg	320
4-Chlorophenyl phenyl ether	ND	1800	ug/kg	130
Chrysene	**4400**	**1800**	**ug/kg**	**180**
Dibenz(a,h)anthracene	**610 J**	**1800**	**ug/kg**	**120**
Dibenzofuran	**280 J**	**1800**	**ug/kg**	**170**
3,3'-Dichlorobenzidine	ND	9000	ug/kg	110
2,4-Dichlorophenol	ND	1800	ug/kg	190
Diethyl phthalate	ND	1800	ug/kg	170
2,4-Dimethylphenol	ND	1800	ug/kg	160
Dimethyl phthalate	ND	1800	ug/kg	150

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THE RETEC GROUP INC

Client Sample ID: SB07 (62)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-016 **Work Order #...:** GKVCT1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1800	ug/kg	170
4,6-Dinitro-2-methylphenol	ND	9000	ug/kg	120
2,4-Dinitrophenol	ND	9000	ug/kg	2800
2,4-Dinitrotoluene	ND	1800	ug/kg	170
2,6-Dinitrotoluene	ND	1800	ug/kg	140
Di-n-octyl phthalate	ND	1800	ug/kg	160
Fluoranthene	**8500**	**1800**	**ug/kg**	**170**
Fluorene	**430 J**	**1800**	**ug/kg**	**160**
Hexachlorobenzene	ND	1800	ug/kg	150
Hexachlorobutadiene	ND	1800	ug/kg	250
Hexachlorocyclopentadiene	ND	9000	ug/kg	130
Hexachloroethane	ND	1800	ug/kg	250
Indeno(1,2,3-cd)pyrene	**1900**	**1800**	**ug/kg**	**130**
Isophorone	ND	1800	ug/kg	240
2-Methylnaphthalene	**370 J**	**1800**	**ug/kg**	**190**
2-Methylphenol	ND	1800	ug/kg	270
4-Methylphenol	ND	1800	ug/kg	420
Naphthalene	**720 J**	**1800**	**ug/kg**	**190**
2-Nitroaniline	ND	9000	ug/kg	170
3-Nitroaniline	ND	9000	ug/kg	170
4-Nitroaniline	ND	9000	ug/kg	110
Nitrobenzene	ND	1800	ug/kg	230
2-Nitrophenol	ND	1800	ug/kg	250
4-Nitrophenol	ND	9000	ug/kg	130
N-Nitrosodi-n-propylamine	ND	1800	ug/kg	190
N-Nitrosodiphenylamine	ND	1800	ug/kg	210
2,2'-oxybis(1-Chloropropane)	ND	1800	ug/kg	300
Pentachlorophenol	ND	9000	ug/kg	130
Phenanthrene	**3900**	**1800**	**ug/kg**	**180**
Phenol	ND	1800	ug/kg	200
Pyrene	**5100**	**1800**	**ug/kg**	**200**
2,4,5-Trichlorophenol	ND	1800	ug/kg	180
2,4,6-Trichlorophenol	ND	1800	ug/kg	130

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THE RETEC GROUP INC

Client Sample ID: SB07 (62)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-016 **Work Order #...:** GKVCT1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	57	(35 - 116)
2-Fluorobiphenyl	64	(43 - 110)
2-Fluorophenol	73	(11 - 116)
Nitrobenzene-d5	68	(42 - 110)
Phenol-d5	74	(25 - 115)
Terphenyl-d14	43	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SD02 (75)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-017	**Work Order #...:**	GKVC01AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 14:30	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	14:34		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	12	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	3800	ug/kg	300
Acenaphthylene	ND	3800	ug/kg	340
Acetophenone	ND	3800	ug/kg	560
Anthracene	**970 J**	**3800**	**ug/kg**	**360**
Atrazine	ND	3800	ug/kg	540
Benzo(a)anthracene	**2800 J**	**3800**	**ug/kg**	**370**
Benzo(a)pyrene	**1800 J**	**3800**	**ug/kg**	**340**
Benzo(b)fluoranthene	**2200 J**	**3800**	**ug/kg**	**510**
Benzo(ghi)perylene	**500 J**	**3800**	**ug/kg**	**330**
Benzo(k)fluoranthene	**840 J**	**3800**	**ug/kg**	**490**
Benzaldehyde	ND	3800	ug/kg	770
1,1'-Biphenyl	ND	3800	ug/kg	430
bis(2-Chloroethoxy) methane	ND	3800	ug/kg	420
bis(2-Chloroethyl)-ether	ND	3800	ug/kg	430
bis(2-Ethylhexyl) phthalate	ND	3800	ug/kg	370
4-Bromophenyl phenyl ether	ND	3800	ug/kg	310
Butyl benzyl phthalate	ND	3800	ug/kg	400
Caprolactam	ND	3800	ug/kg	540
Carbazole	ND	3800	ug/kg	330
4-Chloroaniline	ND	3800	ug/kg	250
4-Chloro-3-methylphenol	ND	3800	ug/kg	320
2-Chloronaphthalene	ND	3800	ug/kg	340
2-Chlorophenol	ND	3800	ug/kg	650
4-Chlorophenyl phenyl ether	ND	3800	ug/kg	260
Chrysene	**2200 J**	**3800**	**ug/kg**	**370**
Dibenz(a,h)anthracene	ND	3800	ug/kg	250
Dibenzofuran	ND	3800	ug/kg	350
3,3'-Dichlorobenzidine	ND	18000	ug/kg	220
2,4-Dichlorophenol	ND	3800	ug/kg	390
Diethyl phthalate	ND	3800	ug/kg	350
2,4-Dimethylphenol	ND	3800	ug/kg	330
Dimethyl phthalate	ND	3800	ug/kg	310

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THE RETEC GROUP INC

Client Sample ID: SD02 (75)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-017 **Work Order #...:** GKVC01AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	3800	ug/kg	340
4,6-Dinitro-2-methylphenol	ND	18000	ug/kg	240
2,4-Dinitrophenol	ND	18000	ug/kg	5700
2,4-Dinitrotoluene	ND	3800	ug/kg	340
2,6-Dinitrotoluene	ND	3800	ug/kg	280
Di-n-octyl phthalate	ND	3800	ug/kg	330
Fluoranthene	**7500**	**3800**	**ug/kg**	**350**
Fluorene	**400 J**	**3800**	**ug/kg**	**330**
Hexachlorobenzene	ND	3800	ug/kg	310
Hexachlorobutadiene	ND	3800	ug/kg	520
Hexachlorocyclopentadiene	ND	18000	ug/kg	250
Hexachloroethane	ND	3800	ug/kg	520
Indeno(1,2,3-cd)pyrene	**650 J**	**3800**	**ug/kg**	**270**
Isophorone	ND	3800	ug/kg	490
2-Methylnaphthalene	ND	3800	ug/kg	390
2-Methylphenol	ND	3800	ug/kg	550
4-Methylphenol	ND	3800	ug/kg	840
Naphthalene	ND	3800	ug/kg	390
2-Nitroaniline	ND	18000	ug/kg	350
3-Nitroaniline	ND	18000	ug/kg	350
4-Nitroaniline	ND	18000	ug/kg	220
Nitrobenzene	ND	3800	ug/kg	470
2-Nitrophenol	ND	3800	ug/kg	510
4-Nitrophenol	ND	18000	ug/kg	260
N-Nitrosodi-n-propylamine	ND	3800	ug/kg	380
N-Nitrosodiphenylamine	ND	3800	ug/kg	420
2,2'-oxybis(1-Chloropropane)	ND	3800	ug/kg	610
Pentachlorophenol	ND	18000	ug/kg	260
Phenanthrene	**490 J**	**3800**	**ug/kg**	**360**
Phenol	ND	3800	ug/kg	410
Pyrene	**5100**	**3800**	**ug/kg**	**410**
2,4,5-Trichlorophenol	ND	3800	ug/kg	360
2,4,6-Trichlorophenol	ND	3800	ug/kg	260

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THE RETEC GROUP INC

Client Sample ID: SD02 (75)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-017 **Work Order #...:** GKVC01AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	61	(35 - 116)
2-Fluorobiphenyl	63	(43 - 110)
2-Fluorophenol	62	(11 - 116)
Nitrobenzene-d5	64	(42 - 110)
Phenol-d5	67	(25 - 115)
Terphenyl-d14	48	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW10 (40-70)

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-018	**Work Order #...:**	GKVC31AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04 15:20	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	15:03		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	18	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**140 J**	**400**	**ug/kg**	**32**
Acenaphthylene	**180 J**	**400**	**ug/kg**	**37**
Acetophenone	ND	400	ug/kg	60
Anthracene	**540**	**400**	**ug/kg**	**39**
Atrazine	ND	400	ug/kg	58
Benzo(a)anthracene	**710**	**400**	**ug/kg**	**40**
Benzo(a)pyrene	**820**	**400**	**ug/kg**	**37**
Benzo(b)fluoranthene	**950**	**400**	**ug/kg**	**54**
Benzo(ghi)perylene	**340 J**	**400**	**ug/kg**	**35**
Benzo(k)fluoranthene	**330 J**	**400**	**ug/kg**	**52**
Benzaldehyde	ND	400	ug/kg	83
1,1'-Biphenyl	**130 J**	**400**	**ug/kg**	**47**
bis(2-Chloroethoxy) methane	ND	400	ug/kg	46
bis(2-Chloroethyl)-ether	ND	400	ug/kg	46
bis(2-Ethylhexyl) phthalate	ND	400	ug/kg	39
4-Bromophenyl phenyl ether	ND	400	ug/kg	34
Butyl benzyl phthalate	ND	400	ug/kg	43
Caprolactam	ND	400	ug/kg	58
Carbazole	**370 J**	**400**	**ug/kg**	**35**
4-Chloroaniline	ND	400	ug/kg	27
4-Chloro-3-methylphenol	ND	400	ug/kg	34
2-Chloronaphthalene	ND	400	ug/kg	36
2-Chlorophenol	ND	400	ug/kg	70
4-Chlorophenyl phenyl ether	ND	400	ug/kg	28
Chrysene	**600**	**400**	**ug/kg**	**39**
Dibenz(a,h)anthracene	**98 J**	**400**	**ug/kg**	**27**
Dibenzofuran	**550**	**400**	**ug/kg**	**38**
3,3'-Dichlorobenzidine	ND	2000	ug/kg	24
2,4-Dichlorophenol	ND	400	ug/kg	42
Diethyl phthalate	ND	400	ug/kg	37
2,4-Dimethylphenol	**450**	**400**	**ug/kg**	**35**
Dimethyl phthalate	ND	400	ug/kg	33

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THE RETEC GROUP INC

Client Sample ID: SW10 (40-70)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-018 **Work Order #...:** GKVC31AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	400	ug/kg	36
4,6-Dinitro-2-methylphenol	ND	2000	ug/kg	26
2,4-Dinitrophenol	ND	2000	ug/kg	610
2,4-Dinitrotoluene	ND	400	ug/kg	36
2,6-Dinitrotoluene	ND	400	ug/kg	30
Di-n-octyl phthalate	ND	400	ug/kg	35
Fluoranthene	**1700**	**400**	**ug/kg**	**38**
Fluorene	**630**	**400**	**ug/kg**	**35**
Hexachlorobenzene	ND	400	ug/kg	33
Hexachlorobutadiene	ND	400	ug/kg	56
Hexachlorocyclopentadiene	ND	2000	ug/kg	27
Hexachloroethane	ND	400	ug/kg	56
Indeno(1,2,3-cd)pyrene	**340 J**	**400**	**ug/kg**	**29**
Isophorone	ND	400	ug/kg	53
2-Methylnaphthalene	~~4200 B~~ 3800	~~400~~ 810	**ug/kg**	~~42~~ 20
2-Methylphenol	ND	400	ug/kg	60
4-Methylphenol	ND	400	ug/kg	91
Naphthalene	**3000**	**400**	**ug/kg**	**42**
2-Nitroaniline	ND	2000	ug/kg	38
3-Nitroaniline	ND	2000	ug/kg	38
4-Nitroaniline	ND	2000	ug/kg	23
Nitrobenzene	ND	400	ug/kg	50
2-Nitrophenol	ND	400	ug/kg	55
4-Nitrophenol	ND	2000	ug/kg	28
N-Nitrosodi-n-propylamine	ND	400	ug/kg	41
N-Nitrosodiphenylamine	ND	400	ug/kg	45
2,2'-oxybis(1-Chloropropane)	ND	400	ug/kg	66
Pentachlorophenol	ND	2000	ug/kg	28
Phenanthrene	**2600**	**400**	**ug/kg**	**39**
Phenol	ND	400	ug/kg	44
Pyrene	**1100**	**400**	**ug/kg**	**44**
2,4,5-Trichlorophenol	ND	400	ug/kg	39
2,4,6-Trichlorophenol	ND	400	ug/kg	28

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The 2-fold dilution result for 2-Methylnaphthalene was transcribed over the original (1 fold) result because it was over range. GLM 09/15/04

THE RETEC GROUP INC

Client Sample ID: SW10 (40-70)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-018 **Work Order #...:** GKVC31AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	74	(35 - 116)
2-Fluorobiphenyl	83	(43 - 110)
2-Fluorophenol	78	(11 - 116)
Nitrobenzene-d5	57	(42 - 110)
Phenol-d5	79	(25 - 115)
Terphenyl-d14	68	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

THE RETEC GROUP INC

Client Sample ID: SW10 (40-70) DIL

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-018	Work Order #...:	GKVC32AD	Matrix.....:	SO
Date Sampled...:	07/08/04 15:20	Date Received..:	07/10/04 10:00	MS Run #.....:	4196030
Prep Date.....:	07/14/04	Analysis Date..:	07/16/04		
Prep Batch #...:	4196043	Analysis Time..:	07:42		
Dilution Factor:	2	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	18	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**110 J**	**810**	**ug/kg**	**18**
Acenaphthylene	**120 J**	**810**	**ug/kg**	**17**
Acetophenone	ND	810	ug/kg	200
Anthracene	**400 J**	**810**	**ug/kg**	**19**
Atrazine	ND	810	ug/kg	200
Benzo(a)anthracene	**550 J**	**810**	**ug/kg**	**18**
Benzo(a)pyrene	**550 J**	**810**	**ug/kg**	**14**
Benzo(b)fluoranthene	**610 J**	**810**	**ug/kg**	**16**
Benzo(ghi)perylene	**480 J**	**810**	**ug/kg**	**15**
Benzo(k)fluoranthene	**230 J**	**810**	**ug/kg**	**16**
Benzaldehyde	ND	810	ug/kg	180
1,1'-Biphenyl	ND	810	ug/kg	200
bis(2-Chloroethoxy) methane	ND	810	ug/kg	18
bis(2-Chloroethyl)-ether	ND	810	ug/kg	16
bis(2-Ethylhexyl) phthalate	ND	810	ug/kg	51
4-Bromophenyl phenyl ether	ND	810	ug/kg	41
Butyl benzyl phthalate	ND	810	ug/kg	18
Caprolactam	ND	810	ug/kg	200
Carbazole	**280 J**	**810**	**ug/kg**	**19**
4-Chloroaniline	ND	810	ug/kg	41
4-Chloro-3-methylphenol	ND	810	ug/kg	18
2-Chloronaphthalene	ND	810	ug/kg	17
2-Chlorophenol	ND	810	ug/kg	13
4-Chlorophenyl phenyl ether	ND	810	ug/kg	17
Chrysene	**440 J**	**810**	**ug/kg**	**16**
Dibenz(a,h)anthracene	**95 J**	**810**	**ug/kg**	**13**
Dibenzofuran	**410 J**	**810**	**ug/kg**	**18**
3,3'-Dichlorobenzidine	ND	3900	ug/kg	20
2,4-Dichlorophenol	ND	810	ug/kg	15
Diethyl phthalate	ND	810	ug/kg	16
2,4-Dimethylphenol	**390 J**	**810**	**ug/kg**	**13**
Dimethyl phthalate	ND	810	ug/kg	17

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THE RETEC GROUP INC

Client Sample ID: SW10 (40-70) DIL

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-018 Work Order #...: GKVC32AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	810	ug/kg	99
4,6-Dinitro-2-methylphenol	ND	3900	ug/kg	2000
2,4-Dinitrophenol	ND	3900	ug/kg	2000
2,4-Dinitrotoluene	ND	810	ug/kg	8.5
2,6-Dinitrotoluene	ND	810	ug/kg	12
Di-n-octyl phthalate	ND	810	ug/kg	19
Fluoranthene	**1200**	**810**	**ug/kg**	**17**
Fluorene	**470 J**	**810**	**ug/kg**	**19**
Hexachlorobenzene	ND	810	ug/kg	16
Hexachlorobutadiene	ND	810	ug/kg	16
Hexachlorocyclopentadiene	ND	3900	ug/kg	65
Hexachloroethane	ND	810	ug/kg	16
Indeno(1,2,3-cd)pyrene	**390 J**	**810**	**ug/kg**	**16**
Isophorone	ND	810	ug/kg	16
2-Methylnaphthalene	**3800**	**810**	**ug/kg**	**20**
2-Methylphenol	ND	810	ug/kg	18
4-Methylphenol	ND	810	ug/kg	18
Naphthalene	**3300**	**810**	**ug/kg**	**19**
2-Nitroaniline	ND	3900	ug/kg	10
3-Nitroaniline	ND	3900	ug/kg	410
4-Nitroaniline	ND	3900	ug/kg	11
Nitrobenzene	ND	810	ug/kg	26
2-Nitrophenol	ND	810	ug/kg	15
4-Nitrophenol	ND	3900	ug/kg	11
N-Nitrosodi-n-propylamine	ND	810	ug/kg	17
N-Nitrosodiphenylamine	ND	810	ug/kg	170
2,2'-oxybis(1-Chloropropane)	ND	810	ug/kg	12
Pentachlorophenol	ND	3900	ug/kg	1100
Phenanthrene	**1800**	**810**	**ug/kg**	**19**
Phenol	**18 J**	**810**	**ug/kg**	**17**
Pyrene	**1000**	**810**	**ug/kg**	**20**
2,4,5-Trichlorophenol	ND	810	ug/kg	46
2,4,6-Trichlorophenol	ND	810	ug/kg	14

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THE RETEC GROUP INC

Client Sample ID: SW10 (40-70) D1L

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-018 **Work Order #...:** GKVC32AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	45	(35 - 116)
2-Fluorobiphenyl	60	(43 - 110)
2-Fluorophenol	63	(11 - 116)
Nitrobenzene-d5	52	(42 - 110)
Phenol-d5	62	(25 - 115)
Terphenyl-d14	55	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW02 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-019	**Work Order #...:** GKVC51AD	**Matrix.....:** SO
Date Sampled...: 07/08/04	**Date Received..:** 07/10/04 10:00	**MS Run #.....:** 4196030
Prep Date.....: 07/14/04	**Analysis Date..:** 07/15/04	
Prep Batch #...: 4196043	**Analysis Time..:** 15:32	
Dilution Factor: 40	**Initial Wgt/Vol:** 15 g	**Final Wgt/Vol..:** 0.5 mL
% Moisture.....: 15	**Analyst ID.....:** 007062	**Instrument ID..:** 722
	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	16000	ug/kg	1200
Acenaphthylene	**1600 J**	**16000**	**ug/kg**	**1400**
Acetophenone	ND	16000	ug/kg	2300
Anthracene	**4100 J**	**16000**	**ug/kg**	**1500**
Atrazine	ND	16000	ug/kg	2200
Benzo(a)anthracene	**17000**	**16000**	**ug/kg**	**1500**
Benzo(a)pyrene	**16000**	**16000**	**ug/kg**	**1400**
Benzo(b)fluoranthene	**21000**	**16000**	**ug/kg**	**2100**
Benzo(ghi)perylene	**5700 J**	**16000**	**ug/kg**	**1400**
Benzo(k)fluoranthene	**8400 J**	**16000**	**ug/kg**	**2000**
Benzaldehyde	ND	16000	ug/kg	3200
1,1'-Biphenyl	ND	16000	ug/kg	1800
bis(2-Chloroethoxy) methane	ND	16000	ug/kg	1800
bis(2-Chloroethyl)-ether	ND	16000	ug/kg	1800
bis(2-Ethylhexyl) phthalate	ND	16000	ug/kg	1500
4-Bromophenyl phenyl ether	ND	16000	ug/kg	1300
Butyl benzyl phthalate	ND	16000	ug/kg	1700
Caprolactam	ND	16000	ug/kg	2300
Carbazole	ND	16000	ug/kg	1400
4-Chloroaniline	ND	16000	ug/kg	1100
4-Chloro-3-methylphenol	ND	16000	ug/kg	1300
2-Chloronaphthalene	ND	16000	ug/kg	1400
2-Chlorophenol	ND	16000	ug/kg	2700
4-Chlorophenyl phenyl ether	ND	16000	ug/kg	1100
Chrysene	**15000 J**	**16000**	**ug/kg**	**1500**
Dibenz(a,h)anthracene	**2200 J**	**16000**	**ug/kg**	**1000**
Dibenzofuran	ND	16000	ug/kg	1500
3,3'-Dichlorobenzidine	ND	76000	ug/kg	930
2,4-Dichlorophenol	ND	16000	ug/kg	1600
Diethyl phthalate	ND	16000	ug/kg	1400
2,4-Dimethylphenol	ND	16000	ug/kg	1400
Dimethyl phthalate	ND	16000	ug/kg	1300

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THE RETEC GROUP INC

Client Sample ID: SW02 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-019 **Work Order #...:** GKVC51AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	16000	ug/kg	1400
4,6-Dinitro-2-methylphenol	ND	76000	ug/kg	1000
2,4-Dinitrophenol	ND	76000	ug/kg	24000
2,4-Dinitrotoluene	ND	16000	ug/kg	1400
2,6-Dinitrotoluene	ND	16000	ug/kg	1200
Di-n-octyl phthalate	ND	16000	ug/kg	1400
Fluoranthene	**27000**	**16000**	**ug/kg**	**1500**
Fluorene	ND	16000	ug/kg	1400
Hexachlorobenzene	ND	16000	ug/kg	1300
Hexachlorobutadiene	ND	16000	ug/kg	2100
Hexachlorocyclopentadiene	ND	76000	ug/kg	1100
Hexachloroethane	ND	16000	ug/kg	2200
Indeno(1,2,3-cd)pyrene	**6700 J**	**16000**	**ug/kg**	**1100**
Isophorone	ND	16000	ug/kg	2000
2-Methylnaphthalene	ND	16000	ug/kg	1600
2-Methylphenol	ND	16000	ug/kg	2300
4-Methylphenol	ND	16000	ug/kg	3500
Naphthalene	ND	16000	ug/kg	1600
2-Nitroaniline	ND	76000	ug/kg	1500
3-Nitroaniline	ND	76000	ug/kg	1500
4-Nitroaniline	ND	76000	ug/kg	900
Nitrobenzene	ND	16000	ug/kg	1900
2-Nitrophenol	ND	16000	ug/kg	2100
4-Nitrophenol	ND	76000	ug/kg	1100
N-Nitrosodi-n-propylamine	ND	16000	ug/kg	1600
N-Nitrosodiphenylamine	ND	16000	ug/kg	1700
2,2'-oxybis(1-Chloropropane)	ND	16000	ug/kg	2500
Pentachlorophenol	ND	76000	ug/kg	1100
Phenanthrene	**13000 J**	**16000**	**ug/kg**	**1500**
Phenol	ND	16000	ug/kg	1700
Pyrene	**18000**	**16000**	**ug/kg**	**1700**
2,4,5-Trichlorophenol	ND	16000	ug/kg	1500
2,4,6-Trichlorophenol	ND	16000	ug/kg	1100

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THE RETEC GROUP INC

Client Sample ID: SW02 (0-51)

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-019 **Work Order #...:** GKVC51AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	NC,DIL	(35 - 116)
2-Fluorobiphenyl	NC,DIL	(43 - 110)
2-Fluorophenol	NC,DIL	(11 - 116)
Nitrobenzene-d5	NC,DIL	(42 - 110)
Phenol-d5	NC,DIL	(25 - 115)
Terphenyl-d14	NC,DIL	(37 - 137)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

THE RETEC GROUP INC

Client Sample ID: SW11

GC/MS Semivolatiles

Lot-Sample #...:	C4G100151-020	**Work Order #...:**	GKVDD1AD	**Matrix.....:**	SO
Date Sampled...:	07/08/04	**Date Received..:**	07/10/04 10:00	**MS Run #.....:**	4196030
Prep Date.....:	07/14/04	**Analysis Date..:**	07/15/04		
Prep Batch #...:	4196043	**Analysis Time..:**	16:01		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	22	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	430	ug/kg	34
Acenaphthylene	**71 J**	**430**	**ug/kg**	**39**
Acetophenone	ND	430	ug/kg	63
Anthracene	ND	430	ug/kg	41
Atrazine	ND	430	ug/kg	61
Benzo(a)anthracene	**83 J**	**430**	**ug/kg**	**42**
Benzo(a)pyrene	**430**	**430**	**ug/kg**	**39**
Benzo(b)fluoranthene	**520**	**430**	**ug/kg**	**57**
Benzo(ghi)perylene	**250 J**	**430**	**ug/kg**	**37**
Benzo(k)fluoranthene	**160 J**	**430**	**ug/kg**	**55**
Benzaldehyde	ND	430	ug/kg	87
1,1'-Biphenyl	ND	430	ug/kg	49
bis(2-Chloroethoxy) methane	ND	430	ug/kg	48
bis(2-Chloroethyl)-ether	ND	430	ug/kg	49
bis(2-Ethylhexyl) phthalate	ND	430	ug/kg	42
4-Bromophenyl phenyl ether	ND	430	ug/kg	35
Butyl benzyl phthalate	ND	430	ug/kg	45
Caprolactam	ND	430	ug/kg	61
Carbazole	ND	430	ug/kg	37
4-Chloroaniline	ND	430	ug/kg	29
4-Chloro-3-methylphenol	ND	430	ug/kg	36
2-Chloronaphthalene	ND	430	ug/kg	38
2-Chlorophenol	ND	430	ug/kg	73
4-Chlorophenyl phenyl ether	ND	430	ug/kg	29
Chrysene	**100 J**	**430**	**ug/kg**	**41**
Dibenz(a,h)anthracene	**80 J**	**430**	**ug/kg**	**28**
Dibenzofuran	ND	430	ug/kg	40
3,3'-Dichlorobenzidine	ND	2100	ug/kg	25
2,4-Dichlorophenol	ND	430	ug/kg	44
Diethyl phthalate	ND	430	ug/kg	39
2,4-Dimethylphenol	ND	430	ug/kg	37
Dimethyl phthalate	ND	430	ug/kg	35

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THE RETEC GROUP INC

Client Sample ID: SW11

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-020 **Work Order #...:** GKVDD1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	430	ug/kg	38
4,6-Dinitro-2-methylphenol	ND	2100	ug/kg	27
2,4-Dinitrophenol	ND	2100	ug/kg	640
2,4-Dinitrotoluene	ND	430	ug/kg	38
2,6-Dinitrotoluene	ND	430	ug/kg	32
Di-n-octyl phthalate	ND	430	ug/kg	37
Fluoranthene	**46 J**	**430**	**ug/kg**	**40**
Fluorene	ND	430	ug/kg	37
Hexachlorobenzene	ND	430	ug/kg	35
Hexachlorobutadiene	ND	430	ug/kg	58
Hexachlorocyclopentadiene	ND	2100	ug/kg	29
Hexachloroethane	ND	430	ug/kg	59
Indeno(1,2,3-cd)pyrene	**260 J**	**430**	**ug/kg**	**30**
Isophorone	ND	430	ug/kg	56
2-Methylnaphthalene	ND	430	ug/kg	44
2-Methylphenol	ND	430	ug/kg	63
4-Methylphenol	ND	430	ug/kg	96
Naphthalene	**48 J**	**430**	**ug/kg**	**44**
2-Nitroaniline	ND	2100	ug/kg	40
3-Nitroaniline	ND	2100	ug/kg	40
4-Nitroaniline	ND	2100	ug/kg	25
Nitrobenzene	ND	430	ug/kg	53
2-Nitrophenol	ND	430	ug/kg	58
4-Nitrophenol	ND	2100	ug/kg	29
N-Nitrosodi-n-propylamine	ND	430	ug/kg	43
N-Nitrosodiphenylamine	ND	430	ug/kg	48
2,2'-oxybis(1-Chloropropane)	ND	430	ug/kg	69
Pentachlorophenol	ND	2100	ug/kg	29
Phenanthrene	ND	430	ug/kg	41
Phenol	ND	430	ug/kg	47
Pyrene	**85 J**	**430**	**ug/kg**	**46**
2,4,5-Trichlorophenol	ND	430	ug/kg	41
2,4,6-Trichlorophenol	ND	430	ug/kg	30

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THE RETEC GROUP INC

Client Sample ID: SW11

GC/MS Semivolatiles

Lot-Sample #...: C4G100151-020 **Work Order #...:** GKVDD1AD **Matrix.....:** SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	73	(35 - 116)
2-Fluorobiphenyl	82	(43 - 110)
2-Fluorophenol	84	(11 - 116)
Nitrobenzene-d5	75	(42 - 110)
Phenol-d5	84	(25 - 115)
Terphenyl-d14	75	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

RETEC, Peekskill

Percent Solids

Lab Name: STL PITTSBURGH
Client Name: THE RETEC GROUP INC
Matrix: SOLID

Method: MCAWW 160.3 MOD
Lot Number: C4G100151

Total Residue as Percent Solids

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
SW01 (0-51)	C4G100151 001	GKT9H1AA	84.6	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SD01 (30)	C4G100151 002	GKT9W1AA	82.2	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW03 (0-62)	C4G100151 003	GKT901AA	88.9	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW04 (0-62)	C4G100151 004	GKT911AA	85.6	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW05 (0-57)	C4G100151 005	GKT921AA	88.7	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW06 (40-90)	C4G100151 006	GKT961AA	82.2	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW07 (0-47)	C4G100151 007	GKT991AA	79.9	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW08 (0-51)	C4G100151 008	GKVAE1AA	76.4	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW09 (0-51)	C4G100151 009	GKVAK1AA	89.2	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SB01 (51)	C4G100151 010	GKVAQ1AA	86.7	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SB02 (40)	C4G100151 011	GKVAW1A	80.5	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SB03 (51)	C4G100151 012	GKVCA1AA	86.6	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SB04 (51)	C4G100151 013	GKVCH1AA	92.9	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SB05 (72)	C4G100151 014	GKVCM1A	88.9	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SB06 (57)	C4G100151 015	GKVCP1AA	83.2	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SB07 (62)	C4G100151 016	GKVCT1AA	89.3	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SD02 (75)	C4G100151 017	GKVC01AA	87.9	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW10 (40-70)	C4G100151 018	GKVC31AA	81.8	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW02 (0-51)	C4G100151 019	GKVC51AA	84.6	%		1	7/12/2004 - 7/13/2004 07:53	4194086
SW11	C4G100151 020	GKVDD1AA	77.6	%		1	7/12/2004 - 7/13/2004 07:53	4194086

THE RETEC GROUP INC

Client Sample ID: SW12

GC/MS Volatiles

Lot-Sample #...:	C4G130168-001	Work Order #...:	GKX541AC	Matrix.....:	SO
Date Sampled...:	07/09/04	Date Received..:	07/13/04	MS Run #.....:	4198060
Prep Date.....:	07/16/04	Analysis Date..:	07/16/04		
Prep Batch #...:	4198116	Analysis Time..:	12:20		
Dilution Factor:	1	Initial Wgt/Vol:	5 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	46	Analyst ID.....:	010099	Instrument ID..:	HP3
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND UJ	37	ug/kg	9.2
Benzene	ND	9.2	ug/kg	1.0
Bromodichloromethane	ND	9.2	ug/kg	0.46
Bromoform	ND	9.2	ug/kg	1.1
Bromomethane	ND	9.2	ug/kg	1.7
2-Butanone	ND UJ	9.2	ug/kg	2.6
Carbon disulfide	ND	9.2	ug/kg	0.66
Carbon tetrachloride	ND	9.2	ug/kg	0.46
Chlorobenzene	ND	9.2	ug/kg	1.6
~~Chloroethane~~	~~ND~~ R	~~9.2~~	~~ug/kg~~	~~1.7~~
Chloroform	ND	9.2	ug/kg	0.46
Chloromethane	ND	9.2	ug/kg	0.53
Cyclohexane	ND	9.2	ug/kg	0.69
Dibromochloromethane	ND	9.2	ug/kg	0.48
1,2-Dibromo-3-chloro-propane	ND	9.2	ug/kg	0.86
1,2-Dibromoethane	ND	9.2	ug/kg	0.49
1,3-Dichlorobenzene	ND	9.2	ug/kg	1.7
1,4-Dichlorobenzene	ND	9.2	ug/kg	1.3
1,2-Dichlorobenzene	ND	9.2	ug/kg	1.7
Dichlorodifluoromethane	ND	9.2	ug/kg	0.93
1,1-Dichloroethane	ND	9.2	ug/kg	0.53
1,2-Dichloroethane	ND	9.2	ug/kg	0.56
1,1-Dichloroethene	ND	9.2	ug/kg	1.1
cis-1,2-Dichloroethene	ND	9.2	ug/kg	1.4
trans-1,2-Dichloroethene	ND	9.2	ug/kg	1.2
1,2-Dichloropropane	ND	9.2	ug/kg	1.2
cis-1,3-Dichloropropene	ND	9.2	ug/kg	0.53
trans-1,3-Dichloropropene	ND	9.2	ug/kg	0.51
Ethylbenzene	ND	9.2	ug/kg	1.7
2-Hexanone	ND UJ	9.2	ug/kg	1.5
Isopropylbenzene	ND	9.2	ug/kg	2.1
Methyl acetate	ND UJ	9.2	ug/kg	4.6
Methylene chloride	ND	9.2	ug/kg	2.4
Methylcyclohexane	ND	9.2	ug/kg	1.4
4-Methyl-2-pentanone	ND	9.2	ug/kg	1.6
Methyl tert-butyl ether	ND	9.2	ug/kg	0.75

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SW12

GC/MS Volatiles

Lot-Sample #...: C4G130168-001 Work Order #...: GKX541AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Styrene	ND	9.2	ug/kg	1.5
1,1,2,2-Tetrachloroethane	ND UJ	9.2	ug/kg	0.83
1,2,4-Trichloro-benzene	ND	9.2	ug/kg	2.5
Tetrachloroethene	ND	9.2	ug/kg	1.4
1,1,1-Trichloroethane	ND	9.2	ug/kg	0.50
1,1,2-Trichloroethane	ND	9.2	ug/kg	1.2
Trichloroethene	ND	9.2	ug/kg	1.6
Trichlorofluoromethane	ND	9.2	ug/kg	2.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	9.2	ug/kg	0.64
Toluene	ND	9.2	ug/kg	1.1
Vinyl chloride	ND	9.2	ug/kg	1.2
Xylenes (total)	ND	28	ug/kg	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	64	(61 - 130)
Toluene-d8	104	(60 - 143)
4-Bromofluorobenzene	82	(47 - 158)
Dibromofluoromethane	88	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

THE RETEC GROUP INC

Client Sample ID: SW12

GC/MS Semivolatiles

Lot-Sample #...:	C4G130168-001	Work Order #...:	GKX541AD	Matrix.....:	SO
Date Sampled...:	07/09/04 08:25	Date Received..:	07/13/04 09:30	MS Run #.....:	4199008
Prep Date.....:	07/17/04	Analysis Date..:	07/20/04		
Prep Batch #...:	4199025	Analysis Time..:	19:50		
Dilution Factor:	2	Initial Wgt/Vol:	15 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	46	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1200	ug/kg	96
Acenaphthylene	**560 J**	**1200**	**ug/kg**	**110**
Acetophenone	ND	1200	ug/kg	180
Anthracene	**170 J**	**1200**	**ug/kg**	**120**
Atrazine	ND	1200	ug/kg	170
Benzo(a)anthracene	**500 J**	**1200**	**ug/kg**	**120**
Benzo(a)pyrene	**2700**	**1200**	**ug/kg**	**110**
Benzo(b)fluoranthene	**2900**	**1200**	**ug/kg**	**160**
Benzo(ghi)perylene	**2200**	**1200**	**ug/kg**	**110**
Benzo(k)fluoranthene	**1200**	**1200**	**ug/kg**	**160**
Benzaldehyde	ND	1200	ug/kg	250
1,1'-Biphenyl	ND	1200	ug/kg	140
bis(2-Chloroethoxy) methane	ND	1200	ug/kg	140
bis(2-Chloroethyl)-ether	ND	1200	ug/kg	140
bis(2-Ethylhexyl) phthalate	ND	1200	ug/kg	120
4-Bromophenyl phenyl ether	ND	1200	ug/kg	100
Butyl benzyl phthalate	ND	1200	ug/kg	130
Caprolactam	ND	1200	ug/kg	180
Carbazole	ND	1200	ug/kg	110
4-Chloroaniline	ND	1200	ug/kg	82
4-Chloro-3-methylphenol	ND	1200	ug/kg	100
2-Chloronaphthalene	ND	1200	ug/kg	110
2-Chlorophenol	ND	1200	ug/kg	210
4-Chlorophenyl phenyl ether	ND	1200	ug/kg	84
Chrysene	**670 J**	**1200**	**ug/kg**	**120**
Dibenz(a,h)anthracene	**730 J**	**1200**	**ug/kg**	**81**
Dibenzofuran	ND	1200	ug/kg	110
3,3'-Dichlorobenzidine	ND	5900	ug/kg	72
2,4-Dichlorophenol	ND	1200	ug/kg	130
Diethyl phthalate	ND	1200	ug/kg	110
2,4-Dimethylphenol	ND	1200	ug/kg	110
Dimethyl phthalate	ND	1200	ug/kg	99

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SW12

GC/MS Semivolatiles

Lot-Sample #...: C4G130168-001 Work Order #...: GKX541AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1200	ug/kg	110
4,6-Dinitro-2-methylphenol	ND	5900	ug/kg	78
2,4-Dinitrophenol	ND	5900	ug/kg	1800
2,4-Dinitrotoluene	ND	1200	ug/kg	110
2,6-Dinitrotoluene	ND	1200	ug/kg	91
Di-n-octyl phthalate	ND	1200	ug/kg	110
Fluoranthene	**210 J**	**1200**	**ug/kg**	**110**
Fluorene	ND	1200	ug/kg	110
Hexachlorobenzene	ND	1200	ug/kg	99
Hexachlorobutadiene	ND	1200	ug/kg	170
Hexachlorocyclopenta-diene	ND	5900	ug/kg	82
Hexachloroethane	ND	1200	ug/kg	170
Indeno(1,2,3-cd)pyrene	**2300**	**1200**	**ug/kg**	**86**
Isophorone	ND	1200	ug/kg	160
2-Methylnaphthalene	ND	1200	ug/kg	130
2-Methylphenol	ND	1200	ug/kg	180
4-Methylphenol	ND	1200	ug/kg	270
Naphthalene	**190 J**	**1200**	**ug/kg**	**130**
2-Nitroaniline	ND	5900	ug/kg	110
3-Nitroaniline	ND	5900	ug/kg	110
4-Nitroaniline	ND	5900	ug/kg	70
Nitrobenzene	ND	1200	ug/kg	150
2-Nitrophenol	ND	1200	ug/kg	170
4-Nitrophenol	ND	5900	ug/kg	84
N-Nitrosodi-n-propyl-amine	ND	1200	ug/kg	120
N-Nitrosodiphenylamine	ND	1200	ug/kg	140
2,2'-oxybis(1-Chloropropane)	ND	1200	ug/kg	200
Pentachlorophenol	ND	5900	ug/kg	83
Phenanthrene	ND	1200	ug/kg	120
Phenol	ND	1200	ug/kg	130
Pyrene	**400 J**	**1200**	**ug/kg**	**130**
2,4,5-Trichloro-phenol	ND	1200	ug/kg	120
2,4,6-Trichloro-phenol	ND	1200	ug/kg	85

(Continued on next page)

THE RETEC GROUP INC

Client Sample ID: SW12

GC/MS Semivolatiles

Lot-Sample #...: C4G130168-001 Work Order #...: GKX541AD Matrix.....: SO

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	44	(35 - 116)
2-Fluorobiphenyl	61	(43 - 110)
2-Fluorophenol	73	(11 - 116)
Nitrobenzene-d5	66	(42 - 110)
Phenol-d5	72	(25 - 115)
Terphenyl-d14	52	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

RETEC, Peekskill

Percent Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.3 MOD
Client Name:	THE RETEC GROUP INC	**Lot Number:**	C4G130168
Matrix:	SOLID		

Total Residue as Percent Solids

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
SW12	C4G130168 001	GKX541AA	54.4	%	1.0	1	7/13/2004 - 7/14/2004 10:00	4195362

Attachment 3 of 3

Support Documentation

CASE NARRATIVE
RETEC
Peekskill

STL Lot #: C4G060114

Sample Receiving:
STL Pittsburgh received samples on July 2, 2003. The coolers were received within the proper temperature range.

If project specific QC was not required for samples contained in this report and batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:
Due to the concentration of target compounds detected, sample MW5-070104 was analyzed at a dilution.

GC/MS Semivolatiles:
The reporting limits were adjusted due to the amount of sample used in the extraction procedure.

Due to the concentration of compounds detected, MW5-070104 was analyzed at a dilution. The surrogates were diluted out. The results of two analyses are reported.

Metals:
The method blank had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

The serial dilution percent difference for sample MW5-070104 was outside control limits for potassium and sodium. The results were flagged with an "E" qualifier.

For the matrix spike and matrix spike duplicate, several recoveries were not calculated due to the concentration of analyte in the sample being >4 times the concentration of spike added.

The matrix spike duplicate had the recovery of chromium slightly above the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

General Chemistry:
Sample MW5-070104 was analyzed at a dilution for total cyanide.

SAMPLE SUMMARY

C4G060114

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GKJLH	001	MW5-070104	07/01/04	11:25
GKJLJ	002	TRIP BLANK-070104	07/01/04	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL Pittsburgh

Chain of Custody Record

№ 2839

The RETEC Group, inc.
300 Baker Avenue, Suite 302 • Concord, MA 01742
(978) 371-1422 Phone • (978) 371-1448 Fax
www.retec.com

RETEC

Project Name: Peekskill, NY	Project Number: CECN5-16580-300
Send Report To: J Millard	Sampler (Print Name): J. Millard
Address: The RETEC Group	Sampler (Print Name): —
300 Baker Ave STE 302	Shipment Method: FedEx
Concord, MA 01742	Airbill Number:
Phone: (978) 371-1422	Laboratory Receiving: STL-Pitt
Fax: -1448	

Page ____ of ____

Purchase Order #: _____

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Analysis Requested: VOCs 8260	SVOCs 8270	TAL Metals Total CN	Ammonia CN	Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)
MW5-070104	7-1-4	11:25	AQ	8	X	X	X	X	X	
Trip blank-070104			AQ	1	X					

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Joshua Millard		7-1-04	pm
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Richard Faust	7/2/04	1000
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Sample Custodian Remarks (Completed By Laboratory):

QA/QC Level	Turnaround
Level I ☐	Routine ☐
Level II ☐	24 Hour ☐
Level III ☐	1 Week ☐
Other ☐	Other _____

Sample Receipt	
Total # Containers Received?	
COC Seals Present?	
COC Seals Intact?	
Received Containers Intact?	
Temperature?	

White: Lab Copy Yellow: PM Copy Pink: Field Copy Gold: PM/QA/QC Copy

(1-71)

Cooler Receipt Form
STL Pittsburgh

Client: Thermo rite Project: _____ Quote: 53771 ~~5444~~ PRF 7/6/04

Cooler Rec'd & Opened for Temp. Check on: 7/2/04

Coolers Opened and Unpacked on: 7/2/04 By: PRF

STL Pittsburgh Lot Number: C4G060114 ~~C4G020322~~ PRF 7/6/04 (Signature)

		Yes	No
1.	Were custody seals on the outside of the cooler?	✓	
	If YES, how many and where? Quantity 2 Location front		
	Were signatures and date correct?	/	/
2.	Were custody papers included inside the cooler?	/	/
3.	Were custody papers properly filled out (ink, signed, match labels)?	/	/
4.	Did you sign the custody papers in the appropriate place?	/	/
5.	Was shippers packing slip attached to this form?	/	/
6.	Were packing materials used?	/	
	If YES, what type? Bubble Wrap, Cardboard		
7.	Were the samples chilled? (Record temperatures on reverse side.)	/	/
8.	Were the samples appropriately preserved?	/	/
9.	Were all bottles sealed in separate plastic bags?	/	/
10.	Did all bottles arrive in good condition (unbroken)?	/	/
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	/	/
12.	Did all bottle labels and/or tags agree with custody papers?	/	/
13.	Were correct bottles used for tests indicated?	/	/
14.	Were all VOA vials checked for the presence of air bubbles?	/	/
15.	Was a sufficient amount of sample sent in each bottle?	/	/

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER AIRBORNE

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Cooler Receipt Form

STL Pittsburgh

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hrdnss PH<2			
MW5-070104	2				12,12						P				
Trip Blank-070104											P				

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature*	Thermometer
1	3.4°	9
2	3.7°	4

*Acceptable Temperature Range: 4°C ± 2°C

Sample	Lot Number**

**Please use an asterisk if bottle lot number was covered by the label

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp4.i Injection Date: 07-JUL-2004 03:32
Lab File ID: CC40707.D Init. Cal. Date(s): 06-JUL-2004 06-JUL-2004
Analysis Type: WATER Init. Cal. Times: 09:01 18:45
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\QPITPA02\D\chem\hp4.i\4070704.b\8260bwl.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	39 Dibromofluoromethane	0.23664	0.23077	0.010	-2.5	25.0	
$	43 1,2-Dichloroethane-d4	0.25055	0.24807	0.010	-1.0	25.0	
$	59 Toluene-d8	3.85252	3.93149	0.010	2.1	25.0	
$	80 Bromofluorobenzene	0.81456	0.86201	0.010	5.8	25.0	
	1 Dichlorodifluoromethane	0.22648	0.26843	0.010	18.5	25.0	
	2 Chloromethane	0.39285	0.39476	0.100	0.5	25.0	
	3 Vinyl Chloride	0.25312	0.26609	0.010	5.1	20.0	
	4 Bromomethane	50.00000	65.65370	0.010	-31.3	25.0	<-
	5 Chloroethane	0.14555	0.15893	0.010	9.2	25.0	
	6 Trichlorofluoromethane	0.27646	0.28661	0.010	3.7	25.0	
	12 1,1-Dichloroethene	0.13014	0.14423	0.010	10.8	20.0	
	101 1,1,2-trichlorotrifluoroeth	0.12748	0.14021	0.010	10.0	25.0	
	13 Acetone	0.07351	0.07665	0.010	4.3	25.0	
	15 Carbon Disulfide	0.73737	0.75078	0.010	1.8	25.0	
	17 Acetonitrile	0.01532	0.01452	0.010	-5.2	25.0	
	18 Methylene Chloride	0.29167	0.29473	0.010	1.0	25.0	
	102 Methyl acetate	0.19071	0.19127	0.010	0.3	25.0	
	19 trans-1,2-Dichloroethene	0.27020	0.27143	0.010	0.5	25.0	
	20 Methyl tert-butyl ether	0.56240	0.56007	0.010	-0.4	25.0	
	24 1,1-Dichloroethane	0.45249	0.44980	0.100	-0.6	25.0	
	27 2,2-Dichloropropane	0.28369	0.27497	0.010	-3.1	25.0	
	28 cis-1,2-dichloroethene	0.28042	0.27698	0.010	-1.2	25.0	
M	29 1,2-Dichloroethene (total)	0.27531	0.27421	0.010	-0.4	25.0	
	30 Bromochloromethane	0.14597	0.14888	0.010	2.0	25.0	
	31 2-Butanone	0.10650	0.11070	0.010	3.9	25.0	
	37 Chloroform	0.41019	0.41743	0.010	1.8	20.0	
	38 1,1,1-Trichloroethane	0.32008	0.31743	0.010	-0.8	25.0	
	104 Cyclohexane	0.33817	0.35696	0.010	5.6	25.0	
	40 1,1-Dichloropropene	0.28298	0.29475	0.010	4.2	25.0	
	41 Carbon Tetrachloride	0.25726	0.24702	0.010	-4.0	25.0	
	42 Benzene	1.03577	1.06930	0.010	3.2	25.0	
	45 1,2-Dichloroethane	0.32547	0.33669	0.010	3.4	25.0	
	47 Trichloroethene	0.29518	0.28356	0.010	-3.9	25.0	
	105 Methyl Cyclohexane	0.31843	0.34078	0.010	7.0	25.0	
	49 1,2-Dichloropropane	0.26186	0.26561	0.010	1.4	20.0	
	50 Dibromomethane	0.14142	0.15003	0.010	6.1	25.0	

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp4.i Injection Date: 07-JUL-2004 03:32
Lab File ID: CC40707.D Init. Cal. Date(s): 06-JUL-2004 06-JUL-2004
Analysis Type: WATER Init. Cal. Times: 09:01 18:45
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\QPITPA02\D\chem\hp4.i\4070704.b\8260bwl.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	53 Bromodichloromethane	0.25274	0.25437	0.010	0.6	25.0
	57 cis-1,3-Dichloropropene	0.32451	0.32031	0.010	-1.3	25.0
	58 4-Methyl-2-Pentanone	0.73547	0.80623	0.010	9.6	25.0
	60 Toluene	4.75603	4.98389	0.010	4.8	20.0
	61 trans-1,3-Dichloropropene	1.19968	1.22013	0.010	1.7	25.0
	63 1,3-Dichloropropane	1.60522	1.68443	0.010	4.9	25.0
	64 1,1,2-Trichloroethane	0.96848	0.99455	0.010	2.7	25.0
	65 Tetrachloroethene	0.92421	0.92469	0.010	0.1	25.0
	66 2-Hexanone	0.52664	0.55359	0.010	5.1	25.0
	67 Dibromochloromethane	0.88277	0.89908	0.010	1.8	25.0
	68 1,2-Dibromoethane	0.91449	0.97225	0.010	6.3	25.0
	70 Chlorobenzene	3.28957	3.32216	0.300	1.0	25.0
	71 1,1,1,2-Tetrachloroethane	1.00194	1.02375	0.010	2.2	25.0
	72 Ethylbenzene	1.65943	1.74516	0.010	5.2	20.0
	73 m + p-Xylene	2.09474	2.18833	0.010	4.5	25.0
	74 Xylene-o	1.97750	2.08867	0.010	5.6	25.0
M	75 Xylenes (total)	2.05566	2.15511	0.010	4.8	25.0
	76 Styrene	3.16797	3.38001	0.010	6.7	25.0
	77 Bromoform	0.46342	0.48743	0.100	5.2	25.0
	78 Isopropylbenzene	4.65465	4.87281	0.010	4.7	25.0
	79 Bromobenzene	0.76429	0.77681	0.010	1.6	25.0
	81 n-Propylbenzene	0.82530	0.89605	0.010	8.6	25.0
	82 2-Chlorotoluene	0.74774	0.81053	0.010	8.4	25.0
	83 1,1,2,2-Tetrachloroethane	0.59498	0.62860	0.300	5.6	25.0
	84 1,2,3-Trichloropropane	0.19934	0.20894	0.010	4.8	25.0
	85 4-Chlorotoluene	0.79294	0.85018	0.010	7.2	25.0
	86 1,3,5-Trimethylbenzene	2.34308	2.49306	0.010	6.4	25.0
	87 tert-Butylbenzene	2.08063	2.08072	0.010	0.0	25.0
	88 1,2,4-Trimethylbenzene	2.42789	2.57742	0.010	6.2	25.0
	89 sec-Butylbenzene	2.89504	3.10173	0.010	7.1	25.0
	90 4-Isopropyltoluene	2.52347	2.73142	0.010	8.2	25.0
	91 1,3-Dichlorobenzene	1.46641	1.51664	0.010	3.4	25.0
	93 1,4-Dichlorobenzene	1.54073	1.58627	0.010	3.0	25.0
	94 n-Butylbenzene	2.12408	2.21311	0.010	4.2	25.0
	95 1,2-Dichlorobenzene	1.33476	1.40617	0.010	5.4	25.0
	96 1,2-Dibromo-3-chloropropane	0.07991	0.07023	0.010	-12.1	25.0

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp4.i Injection Date: 07-JUL-2004 03:32
Lab File ID: CC40707.D Init. Cal. Date(s): 06-JUL-2004 06-JUL-2004
Analysis Type: WATER Init. Cal. Times: 09:01 18:45
Lab Sample ID: vstd10 Quant Type: ISTD
Method: \\QPITPA02\D\chem\hp4.i\4070704.b\8260bwl.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
97	1,2,4-Trichlorobenzene	0.54950	0.48918	0.010	-11.0	25.0	
98	Hexachlorobutadiene	0.33464	0.32612	0.010	-2.5	25.0	
99	Naphthalene	0.97075	0.70303	0.010	-27.6	25.0	<-
100	1,2,3-Trichlorobenzene	0.43534	0.33592	0.010	-22.8	25.0	

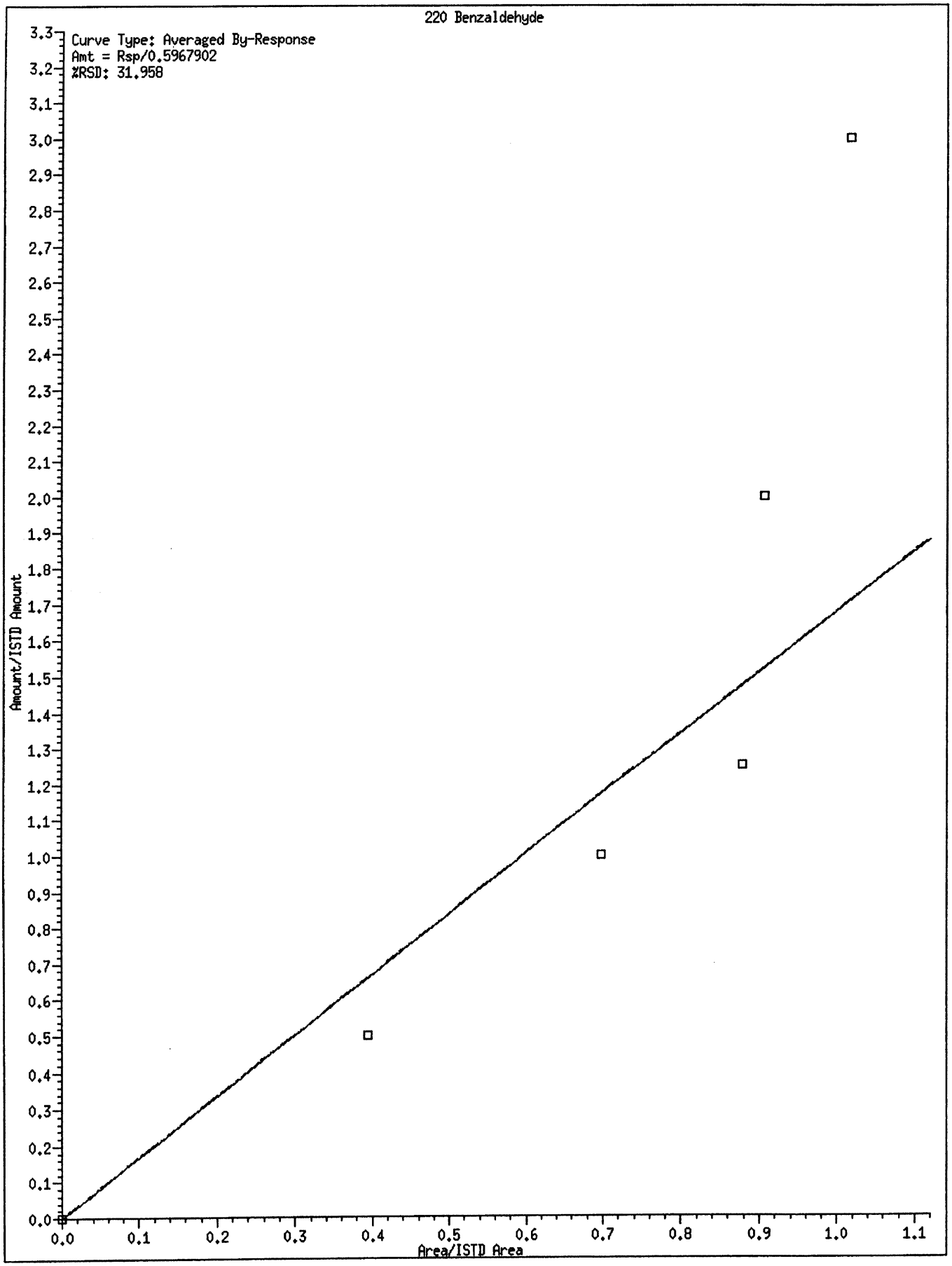
STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-JUL-2004 11:47
End Cal Date : 02-JUL-2004 14:08
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\msd7.i\M070204.b\8270b.m
Cal Date : 02-Jul-2004 14:15 tapsvc
Curve Type : Average

Calibration File Names:
Level 1: \\qpitpa02\d\chem\msd7.i\M070204.b\M0702IC1.D
Level 2: \\qpitpa02\d\chem\msd7.i\M070204.b\M0702IC2.D
Level 3: \\qpitpa02\d\chem\msd7.i\M070204.b\M07020CC.D
Level 4: \\qpitpa02\d\chem\msd7.i\M070204.b\M0702IC3.D
Level 5: \\qpitpa02\d\chem\msd7.i\M070204.b\M0702IC4.D
Level 6: \\qpitpa02\d\chem\msd7.i\M070204.b\M0702IC5.D

Compound	20.000 Level 1	40.000 Level 2	50.000 Level 3	80.000 Level 4	120.000 Level 5	160.000 Level 6	___ RRF	% RSD	
203 3&4 Methylphenol total	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
198 1,4-Dioxane	0.40047	0.39750	0.38590	0.37957	0.37621	0.37688	0.38609	2.746	
7 N-Nitrosomorpholine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
8 Ethyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
9 Pyridine	1.11034	1.13049	1.12760	1.08145	1.04125	1.01456	1.08428	4.406	
199 Thionazin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
200 Sulfotepp	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
10 N-Nitrosodimethylamine	0.53599	0.54905	0.55320	0.52811	0.51739	0.51996	0.53395	2.787	
11 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
12 3-Chloropropionitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
13 Malononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
14 2-Picoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
15 N-Nitrosomethylethylamine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
16 Methyl methanesulfonate	0.62235	0.61377	0.60655	0.55773	0.52856	0.50982	0.57313	8.339	
18 1,3-Dichloro-2-propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
19 N-Nitrosodiethylamine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
220 Benzaldehyde	0.78925	0.69807	0.70367	0.45361	0.33934	+++++	0.59679	31.958	<- AVG
21 Aniline	1.79762	1.78636	1.79735	1.72586	1.66886	1.64504	1.73685	3.903	
22 Phenol	1.59716	1.56862	1.58740	1.50438	1.45932	1.45433	1.52854	4.206	
23 bis(2-Chloroethyl)ether	1.09427	1.08305	1.08638	1.03156	1.00589	1.00130	1.05041	4.046	
24 2-Chlorophenol	1.38565	1.36331	1.37857	1.34442	1.31344	1.32587	1.35188	2.142	
25 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
26 1,3-Dichlorobenzene	1.56696	1.55138	1.58032	1.53410	1.52797	1.52246	1.54720	1.490	
27 1,4-Dichlorobenzene	1.59445	1.58675	1.60134	1.57782	1.55123	1.56042	1.57867	1.240	
28 1,2-Dichlorobenzene	1.54452	1.52570	1.52781	1.48977	1.48166	1.47278	1.50704	1.946	


220 Benzaldehyde
Curve Type: Averaged By-Response
Amt = Rsp/0.5967902
%RSD: 31.958
Amount/ISTD Amount
Area/ISTD Area
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3.0
3.1
3.2
3.3

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C4G060114 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C4G070000-027 Prep Batch #...: 4189027						
Silver	ND	5.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AA
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Aluminum	**19.9 B**	**200**	**ug/L**	**SW846 6010B**	**07/07-07/18/04**	**GKKWK1AC**
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Arsenic	ND	10.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AD
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Barium	ND	200	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AE
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Beryllium	**0.63 B**	**4.0**	**ug/L**	**SW846 6010B**	**07/07-07/18/04**	**GKKWK1AF**
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Calcium	ND	5000	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AG
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Cadmium	ND	5.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AH
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Cobalt	ND	50.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AJ
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Chromium	ND	5.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AK
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Copper	ND	25.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AL
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Iron	**22.1 B**	**100**	**ug/L**	**SW846 6010B**	**07/07-07/18/04**	**GKKWK1AM**
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C4G060114 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	5000	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AN
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Magnesium	ND	5000	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AP
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Manganese	**0.26 B**	**15.0**	**ug/L**	**SW846 6010B**	**07/07-07/18/04**	**GKKWK1AQ**
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Sodium	ND	5000	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AR
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Nickel	ND	40.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AT
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Lead	ND	3.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AU
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Selenium	ND	5.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AV
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Thallium	ND	10.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1AW
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Antimony	**5.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**07/07-07/18/04**	**GKKWK1AX**
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Vanadium	ND	50.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1A0
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	
Zinc	ND	20.0	ug/L	SW846 6010B	07/07-07/18/04	GKKWK1A1
		Dilution Factor: 1				
		Analysis Time..: 13:33		Analyst ID.....: 022952	Instrument ID..: TRA	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C4G060114 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C4G160000-230 **Prep Batch #...:** 4198230						
Mercury	ND	0.20	ug/L	SW846 7470A	07/16/04	GK8F21AA

Dilution Factor: 1
Analysis Time..: 15:41 Analyst ID.....: 400491 Instrument ID..: PS2

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

STL-Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: N40718A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 7/18/2004 12:43 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	8.0	U								
Antimony	206.838	10	3.2	U								
Arsenic	189.042	10	3.3	U								
Barium	493.409	200	1.0	U								
Beryllium	313.042	4	**0.7**	**B**								
Cadmium	226.502	5	0.7	U								
Calcium	317.933	5000	39.5	U								
Chromium	267.716	5	0.9	U								
Cobalt	228.616	50	**0.5**	**B**								
Copper	324.753	25	1.2	U								
Iron	271.441	100	18.0	U								
Lead	220.353	3	1.6	U								
Magnesium	279.078	5000	10.2	U								
Manganese	257.61	15	**0.4**	**B**								
Nickel	231.604	40	1.2	U								
Potassium	766.491	5000	75.0	U								
Selenium	220.353	5	2.6	U								
Silver	328.068	5	0.3	U								
Sodium	330.232	5000	157.0	U								
Thallium	190.864	10	4.6	U								
Vanadium	292.402	50	1.0	U								
Zinc	206.2	20	1.7	U								

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: N40718A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB1 7/18/2004 1:49 PM Found	Q	CCB2 7/18/2004 2:56 PM Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	**29.5**	**B**	**49.9**	**B**						
Antimony	206.838	10	3.2	U	3.2	U						
Arsenic	189.042	10	3.3	U	3.3	U						
Barium	493.409	200	1.0	U	1.0	U						
Beryllium	313.042	4	**1.0**	**B**	**1.5**	**B**						
Cadmium	226.502	5	0.7	U	0.7	U						
Calcium	317.933	5000	39.5	U	39.5	U						
Chromium	267.716	5	0.9	U	0.9	U						
Cobalt	228.616	50	0.5	U	0.5	U						
Copper	324.753	25	**-1.9**	**B**	**-3.8**	**B**						
Iron	271.441	100	18.0	U	18.0	U						
Lead	220.353	3	1.6	U	1.6	U						
Magnesium	279.078	5000	10.2	U	10.2	U						
Manganese	257.61	15	**0.3**	**B**	**0.1**	**B**						
Nickel	231.604	40	1.2	U	1.2	U						
Potassium	766.491	5000	75.0	U	75.0	U						
Selenium	220.353	5	2.6	U	2.6	U						
Silver	328.068	5	**0.4**	**B**	**0.5**	**B**						
Sodium	330.232	5000	157.0	U	157.0	U						
Thallium	190.864	10	**5.5**	**B**	**6.8**	**B**						
Vanadium	292.402	50	1.0	U	1.0	U						
Zinc	206.2	20	1.7	U	1.7	U						

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C4G060114 **Matrix.....:** WG
Date Sampled...: 07/01/04 **Date Received..:** 07/02/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C4G060114-001 **Prep Batch #...:** 4189027									
Silver									
	0.97	50.0	53.7	ug/L	105		SW846 6010B	07/07-07/18/04	GKJLH1A7
	0.97	50.0	53.8	ug/L	106	0.14	SW846 6010B	07/07-07/18/04	GKJLH1A8
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Aluminum									
	30700	2000	36500	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1A9
			Qualifiers: NC						
	30700	2000	36800	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1CA
			Qualifiers: NC						
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Arsenic									
	8.7	2000	1990	ug/L	99		SW846 6010B	07/07-07/18/04	GKJLH1CC
	8.7	2000	2020	ug/L	100	1.2	SW846 6010B	07/07-07/18/04	GKJLH1CD
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Barium									
	163	2000	2150	ug/L	99		SW846 6010B	07/07-07/18/04	GKJLH1CE
	163	2000	2160	ug/L	100	0.43	SW846 6010B	07/07-07/18/04	GKJLH1CF
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Beryllium									
	0.99	50.0	50.0	ug/L	98		SW846 6010B	07/07-07/18/04	GKJLH1CG
	0.99	50.0	50.8	ug/L	100	1.5	SW846 6010B	07/07-07/18/04	GKJLH1CH
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Calcium									
	470000	50000	521000	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1CJ
			Qualifiers: NC						
	470000	50000	532000	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1CK
			Qualifiers: NC						
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C4G060114 **Matrix.....:** WG
Date Sampled...: 07/01/04 **Date Received..:** 07/02/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium									
	1.0	50.0	49.0	ug/L	96		SW846 6010B	07/07-07/18/04	GKJLH1CL
	1.0	50.0	49.5	ug/L	97	1.0	SW846 6010B	07/07-07/18/04	GKJLH1CM
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Cobalt									
	47.5	500	524	ug/L	95		SW846 6010B	07/07-07/18/04	GKJLH1CN
	47.5	500	531	ug/L	97	1.4	SW846 6010B	07/07-07/18/04	GKJLH1CP
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Chromium									
	291	200	539	ug/L	124		SW846 6010B	07/07-07/18/04	GKJLH1CQ
	291	200	547 N	ug/L	128	1.4	SW846 6010B	07/07-07/18/04	GKJLH1CR
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Copper									
	35.1	250	295	ug/L	104		SW846 6010B	07/07-07/18/04	GKJLH1CT
	35.1	250	296	ug/L	104	0.38	SW846 6010B	07/07-07/18/04	GKJLH1CU
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Iron									
	33400	1000	39900	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1CV
			Qualifiers: NC						
	33400	1000	40600	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1CW
			Qualifiers: NC						
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Potassium									
	93400	50000	150000	ug/L	114		SW846 6010B	07/07-07/18/04	GKJLH1CX
	93400	50000	151000	ug/L	116	0.70	SW846 6010B	07/07-07/18/04	GKJLH1C0
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C4G060114 **Matrix.....:** WG
Date Sampled...: 07/01/04 **Date Received..:** 07/02/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	464000	50000	514000	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1C1
			Qualifiers: NC						
	464000	50000	525000	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1C2
			Qualifiers: NC						
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Manganese									
	4560	500	5170 NC	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1C3
	4560	500	5260 NC	ug/L			SW846 6010B	07/07-07/18/04	GKJLH1C4
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Sodium									
	1070000	50000	1100000	ug/L			SW846 6010B	07/07-07/19/04	GKJLH1C5
			Qualifiers: NC						
	1070000	50000	1120000	ug/L			SW846 6010B	07/07-07/19/04	GKJLH1C6
			Qualifiers: NC						
			Dilution Factor: 5						
			Analysis Time..: 19:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Nickel									
	153	500	646	ug/L	99		SW846 6010B	07/07-07/18/04	GKJLH1C7
	153	500	655	ug/L	100	1.4	SW846 6010B	07/07-07/18/04	GKJLH1C8
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Lead									
	31.1	500	505	ug/L	95		SW846 6010B	07/07-07/18/04	GKJLH1C9
	31.1	500	510	ug/L	96	0.92	SW846 6010B	07/07-07/18/04	GKJLH1DA
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Selenium									
	ND	2000	2000	ug/L	100		SW846 6010B	07/07-07/18/04	GKJLH1DC
	ND	2000	2020	ug/L	101	1.1	SW846 6010B	07/07-07/18/04	GKJLH1DD
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C4G060114 **Matrix.....:** WG
Date Sampled...: 07/01/04 **Date Received..:** 07/02/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	ND	2000	1870	ug/L	94		SW846 6010B	07/07-07/18/04	GKJLH1DE
	ND	2000	1900	ug/L	95	1.3	SW846 6010B	07/07-07/18/04	GKJLH1DF
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Antimony									
	ND	500	473	ug/L	95		SW846 6010B	07/07-07/18/04	GKJLH1DG
	ND	500	478	ug/L	96	1.1	SW846 6010B	07/07-07/18/04	GKJLH1DH
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Vanadium									
	70.7	500	581	ug/L	102		SW846 6010B	07/07-07/18/04	GKJLH1DJ
	70.7	500	588	ug/L	103	1.2	SW846 6010B	07/07-07/18/04	GKJLH1DK
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						
Zinc									
	83.6	500	569	ug/L	97		SW846 6010B	07/07-07/18/04	GKJLH1DL
	83.6	500	577	ug/L	99	1.4	SW846 6010B	07/07-07/18/04	GKJLH1DM
			Dilution Factor: 1						
			Analysis Time..: 14:06		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 4189018						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

STL-Pittsburgh

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: CVAA **Units:** ug/L

Chart Number: H40716C.PRN **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:** MET3642-04

Element	WL/ Mass	True Conc	CRA/RLV 7/16/2004 3:15 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	0.2	0.26	130.5								

5.04.5

Form 2B Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: N40718A.ARC **Acceptable Range:** 50% - 150%

Standard Source: Inorganic Ventures **Standard ID:** MET2562-04

Element	WL/ Mass	True Conc	CRA/RLV 7/18/2004 12:49 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	200.0	210.71	**105.4**								
Antimony	206.838	10.0	10.89	**108.9**								
Arsenic	189.042	10.0	10.33	**103.3**								
Barium	493.409	200.0	202.94	**101.5**								
Beryllium	313.042	4.0	4.58	**114.5**								
Cadmium	226.502	5.0	5.07	**101.4**								
Calcium	317.933	5000.0	5134.61	**102.7**								
Chromium	267.716	5.0	5.32	**106.4**								
Cobalt	228.616	50.0	50.45	**100.9**								
Copper	324.753	25.0	24.74	**99.0**								
Iron	271.441	100.0	111.74	**111.7**								
Lead	220.353	3.0	1.70	**56.7**								
Magnesium	279.078	5000.0	5106.59	**102.1**								
Manganese	257.61	15.0	15.62	**104.1**								
Nickel	231.604	40.0	40.86	**102.2**								
Potassium	766.491	5000.0	4376.69	**87.5**								
Selenium	220.353	5.0	5.15	**103.0**								
Silver	328.068	5.0	5.48	**109.6**								
Sodium	330.232	5000.0	5295.42	**105.9**								
Thallium	190.864	10.0	9.76	**97.6**								
Vanadium	292.402	50.0	50.80	**101.6**								
Zinc	206.2	20.0	20.76	**103.8**								

STL-Pittsburgh

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: GKJLHP

Original Sample ID: GKJLH **Client ID:** MW5-070104P

Matrix: Water **Units:** ug/L **Prep Date:** 7/7/2004 **Prep Batch:** 4189027

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Aluminum	308.215	30700		29900		2.6	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Antimony	206.838	3.2	U	16.0	U		1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Arsenic	189.042	8.7	B	16.5	U	100.0	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Barium	493.409	163	B	163	B	0.2	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Beryllium	313.042	0.99	B	5.2	B	430.3	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Cadmium	226.502	1.0	B	3.5	U	100.0	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Calcium	317.933	470000		504000		7.3	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Chromium	267.716	291		300		3.2	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Cobalt	228.616	47.5	B	50.2	B	5.8	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Copper	324.753	35.1		21.8	B	38.0	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Iron	271.441	33400		34900		4.3	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Lead	220.353	31.1		28.4		8.7	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Magnesium	279.078	464000		494000		6.5	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Manganese	257.61	4560		4710		3.2	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Nickel	231.604	153		161	B	5.1	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Potassium	766.491	93400		74500	E	pos. 20.2	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Selenium	220.353	2.6	U	13.1	U		1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Silver	328.068	0.97	B	1.5	U	100.0	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Sodium	330.232	913000		1100000	E	20.6	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Thallium	190.864	4.6	U	23.0	U		1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Vanadium	292.402	70.7		71.4	B	0.9	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00
Zinc	206.2	83.6		88.7	B	6.1	1	5	ICPST	7/18/2004	13:55	7/18/2004	14:00

omments:

U Result is less than the MDL

B Result is between MDL and RL

E Serial dilution percent difference not within limits

Form 9 Equivalent

CASE NARRATIVE
RETEC
Peekskill

STL Lot #: C4G100151

Sample Receiving:
STL Pittsburgh received samples on July 10, 2003. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report and batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:
Sample SW06 (40-90) was completed as a medium level methanol prep. The analysis had surrogate 4-bromofluorobenzene recover above the control limits. The sample was re-analyzed and this surrogate again recovered above the control limits, confirming matrix interference. Both sets of results are reported.

GC/MS Semivolatiles:
Due to the concentration of compounds detected and/or matrix interference, the majority of samples were analyzed at a dilution. The surrogate recoveries were diluted out in some samples.

The matrix spikes of sample SW01 (0-51) had the recovery of pyrene below control limits. This is most likely due to the concentration of pyrene in the sample being greater than seven times the concentration spiked.

Samples SB04 (51) and SB06 (57) had the internal standard area counts of perylene-d_{12} outside the daily control limits (-50% to +100% of the internal standard area counts of the daily calibration standard). The sample analyzed before and after these samples had internal standard area counts within the daily control limits, verifying the instrument was operating properly.

SAMPLE SUMMARY

C4G100151

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GKT9H	001	SW01 (0-51)	07/08/04	14:30
GKT9W	002	SD01 (30)	07/08/04	14:30
GKT90	003	SW03 (0-62)	07/08/04	14:30
GKT91	004	SW04 (0-62)	07/08/04	14:30
GKT92	005	SW05 (0-57)	07/08/04	14:30
GKT96	006	SW06 (40-90)	07/08/04	14:30
GKT99	007	SW07 (0-47)	07/08/04	14:30
GKVAE	008	SW08 (0-51)	07/08/04	14:30
GKVAK	009	SW09 (0-51)	07/08/04	14:30
GKVAQ	010	SB01 (51)	07/08/04	14:30
GKVAW	011	SB02 (40)	07/08/04	14:30
GKVCA	012	SB03 (51)	07/08/04	14:30
GKVCH	013	SB04 (51)	07/08/04	14:30
GKVCM	014	SB05 (72)	07/08/04	14:30
GKVCP	015	SB06 (57)	07/08/04	14:30
GKVCT	016	SB07 (62)	07/08/04	14:30
GKVC0	017	SD02 (75)	07/08/04	14:30
GKVC3	018	SW10 (40-70)	07/08/04	15:20
GKVC5	019	SW02 (0-51)	07/08/04	
GKVDD	020	SW11	07/08/04	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL Pittsburgh

Chain of Custody Record

№ 2832

The RETEC Group, Inc.
300 Baker Avenue, Suite 302 • Concord, MA 01742
(978) 371-1422 Phone • (978) 371-1448 Fax
www.retec.com

RETEC

Project Name: Peekskill, NY	Project Number: CECN5-16580-300
Send Report To: Josh Millard	Sampler (Print Name): Josh Millard
Address: The RETEC Group 300 Baker Ave STE 302 Concord, MA 01742	Sampler (Print Name): Renee Knecht
	Shipment Method: FedEx
	Airbill Number:
Phone: (978) 371-1422	Laboratory Receiving: STL-Pitts
Fax: 1448	

Page 1 of 2

Purchase Order #: _____

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Analysis Requested: VOCs	Analysis Requested: SVOCs	Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)
SW01 (0-5')	7/8/09	1450	S	2	X	X		
SD01 (30)								
SW03 (0-6')								
SW04 (0-6')								
SW05 (0-5')								
SW06 (40-90)								
SW07 (0-4')								
SW08 (0-5')								
SW09 (0-5')								
SB01 (5')								
SB02 (40)								
SB03 (5')								
SB04 (5')								
SB05 (7')								
SB06 (5')								
SB07 (6')								
SB08 (90)								

Relinquished by: (Signature) Joshua Millard	Received by: (Signature)	Date: 7/9/09	Time: 2000
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 07-10-09	Time: 10:00

Sample Custodian Remarks (Completed By Laboratory):

QA/QC Level		Turnaround	
Level I	☐	Routine	☐
Level II	☐	24 Hour	☐
Level III	☐	1 Week	☒
Other	☐	Other	____

Sample Receipt	
Total # Containers Received?	
COC Seals Present?	
COC Seals Intact?	
Received Containers Intact?	
Temperature?	

White: Lab Copy Yellow: PM Copy Pink: Field Copy Gold: PM/QA/QC Copy

STL Pittsburgh

Chain of Custody Record

№ 2833

The RETEC Group, Inc.
300 Baker Avenue, Suite 302 • Concord, MA 01742
(978) 371-1422 Phone • (978) 371-1448 Fax
www.retec.com

RETEC

Project Name: Peekskill, NY	Project Number: CECNS-16580-300
Send Report To: Josh Millard	Sampler (Print Name): Josh Millard
Address: The RETEC Group 300 Baker Ave STE 302 Concord, MA 01742	Sampler (Print Name): Renee Knecht
Phone: (978) 371-1422	Shipment Method: FedEx
Fax: -1448	Airbill Number:
	Laboratory Receiving: STL-Pitts

Page 2 of 2

Purchase Order #:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Analysis Requested: VOCs	SVOCs	Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)
SD02 (75)	7/8/04	± 20	S	2	X	X		
SW10 (40-70)	7/8/04	1520	S	2	X	X		
SW02 (0-5')	7/8/04		S	2	X	X		
SW11	7/8/04		S	2	X	X		

Relinquished by: (Signature)	Received by: (Signature)	Date: 7/9/04	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 07/10/04	Time: 1000

Sample Custodian Remarks (Completed By Laboratory):

QA/QC Level		Turnaround	
Level I	☐	Routine	☐
Level II	☐	24 Hour	☐
Level III	☐	1 Week	☒
Other	☐	Other	

Sample Receipt	
Total # Containers Received?	
COC Seals Present?	
COC Seals Intact?	
Received Containers Intact?	
Temperature?	

White: . opy Yellow: PM Copy Pink: Field Copy Gold: PM/QA/QC Copy

(1-179)

Cooler Receipt Form
STL Pittsburgh

Client: Retec Project: _____ Quote: 53771 Part B

Cooler Rec'd & Opened for Temp. Check on: 07-10-04

Coolers Opened and Unpacked on: 07-10-04 By: _____ (Signature)

STL Pittsburgh Lot Number: 246100151

		Yes	No
1.	Were custody seals on the outside of the cooler?	X	
	If YES, how many and where? Quantity 1 Location front		
	Were signatures and date correct?	✓	
2.	Were custody papers included inside the cooler?	✓	
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓	
4.	Did you sign the custody papers in the appropriate place?	✓	
5.	Was shippers packing slip attached to this form?	✓	
6.	Were packing materials used?	✓	
	If YES, what type? Bubble wrap		
7.	Were the samples chilled? (Record temperatures on reverse side.)	✓	
8.	Were the samples appropriately preserved?	NA	
9.	Were all bottles sealed in separate plastic bags?	✓	
10.	Did all bottles arrive in good condition (unbroken)?	✓	
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓	
12.	Did all bottle labels and/or tags agree with custody papers?	✓	
13.	Were correct bottles used for tests indicated?	✓	
14.	Were all VOA vials checked for the presence of air bubbles?	NA	
15.	Was a sufficient amount of sample sent in each bottle?	✓	

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER AIRBORNE

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 03-MAR-2004 13:25
End Cal Date : 03-MAR-2004 15:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp3.i\3030304d.b\8260bsoil.m
Cal Date : 03-Mar-2004 16:09 JOURNETP1
Curve Type : Average

Calibration File Names:
Level 1: \\qpitpa02\d\chem\hp3.i\3030304d.b\1A30303N.D
Level 2: \\qpitpa02\d\chem\hp3.i\3030304d.b\1B30303N.D
Level 3: \\qpitpa02\d\chem\hp3.i\3030304d.b\1C30303N.D
Level 4: \\qpitpa02\d\chem\hp3.i\3030304d.b\1D30303N.D
Level 5: \\qpitpa02\d\chem\hp3.i\3030304d.b\1E30303N.D
Level 6: \\qpitpa02\d\chem\hp3.i\3030304d.b\1F30303N.D

Compound	5.000 Level 1	25.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
1 Dichlorodifluoromethane	0.37177	0.29707	0.27248	0.29088	0.30089	0.28005	0.30219	11.812	
155 N-Heptane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
2 Chloromethane	0.51065	0.39264	0.35580	0.38047	0.39863	0.37518	0.40223	13.717	
3 Vinyl Chloride	0.44141	0.35655	0.32027	0.33861	0.35497	0.33252	0.35739	12.142	
4 Bromomethane	0.04537	0.05380	0.05150	0.05946	0.06538	0.06051	0.05600	12.838	
5 Chloroethane	0.04214	0.06321	0.05418	0.04970	0.06100	0.05433	0.05409	14.152	
6 Trichlorofluoromethane	0.17138	0.17923	0.27477	0.33881	0.35764	0.08008	0.23365	46.312	<-
7 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
8 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
9 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
10 1,1,2-trichloro-1,2,2-trifluo	0.25103	0.20475	0.18855	0.19922	0.20561	0.19780	0.20783	10.601	
156 Methyl Acetate	0.30336	0.20464	0.15364	0.16214	0.16648	0.16738	0.19294	29.481	<-
157 Cyclohexane	0.58975	0.51863	0.48587	0.50326	0.52138	0.50660	0.52092	6.915	
158 Methyl Cyclohexane	0.57509	0.51383	0.47161	0.49646	0.50952	0.48518	0.50862	7.096	
11 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
12 1,1-Dichloroethene	0.25627	0.20592	0.19148	0.19803	0.20170	0.19702	0.20840	11.489	
13 Acetone	0.22133	0.19201	0.14929	0.15285	0.14726	0.14553	0.16805	18.695	<-
14 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
15 Carbon Disulfide	0.93170	0.74207	0.65843	0.70126	0.72830	0.68990	0.74194	13.142	
16 3-Chloro-1-propene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
17 Acetonitrile	0.02372	0.03808	0.01535	0.01662	0.01468	0.01576	0.02070	44.110	<-
18 Methylene Chloride	0.35501	0.23648	0.22511	0.22821	0.23796	0.23116	0.25232	20.030	<-
19 trans-1,2-Dichloroethene	0.34247	0.27592	0.24604	0.25444	0.27002	0.25575	0.27411	12.852	
20 Methyl tert-butyl ether	0.51109	0.42422	0.38943	0.42643	0.44572	0.45719	0.44235	9.233	
21 tert-Butyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 03-MAR-2004 13:25
End Cal Date : 03-MAR-2004 15:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp3.i\3030304d.b\8260bsoil.m
Cal Date : 03-Mar-2004 16:09 JOURNETP1
Curve Type : Average

	Compound	5.000 Level 1	25.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	22 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	23 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	24 1,1-Dichloroethane	0.58588	0.49328	0.44417	0.46298	0.48120	0.47210	0.48994	10.177	
	25 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	26 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	27 2,2-Dichloropropane	0.30780	0.26865	0.24602	0.26834	0.28978	0.29155	0.27869	7.879	
	28 cis-1,2-dichloroethene	0.32685	0.28670	0.25281	0.26369	0.27511	0.26530	0.27841	9.462	
M	29 1,2-Dichloroethene (total)	0.33466	0.28131	0.24942	0.25906	0.27257	0.26052	0.27626	11.114	
	30 Bromochloromethane	0.14642	0.12237	0.10965	0.11245	0.11626	0.11370	0.12014	11.299	
	31 2-Butanone	0.31448	0.19776	0.17082	0.18567	0.17980	0.18809	0.20610	26.122	<-
	32 Vinyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	33 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	34 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	35 Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	37 Chloroform	0.59138	0.47180	0.41536	0.43409	0.45118	0.43246	0.46604	13.800	
	38 1,1,1-Trichloroethane	0.43682	0.37537	0.34391	0.36412	0.37706	0.37425	0.37859	8.214	
	40 1,1-Dichloropropene	0.42206	0.37875	0.33413	0.34943	0.36314	0.34956	0.36618	8.527	
	41 Carbon Tetrachloride	0.39846	0.34395	0.30892	0.32499	0.33734	0.32519	0.33981	9.165	
	42 Benzene	1.35455	1.14531	1.00856	1.04761	1.08530	1.01777	1.10985	11.703	
	44 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	45 1,2-Dichloroethane	0.41625	0.33302	0.29905	0.30963	0.32253	0.31135	0.33197	12.922	
	47 Trichloroethene	0.32465	0.27388	0.24470	0.25804	0.27193	0.25870	0.27198	10.259	
	48 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	49 1,2-Dichloropropane	0.31921	0.28561	0.25215	0.26294	0.27200	0.26247	0.27573	8.730	
	50 Dibromomethane	0.17308	0.14246	0.12671	0.13343	0.13649	0.13344	0.14094	11.747	
	51 Methyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	52 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	53 Bromodichloromethane	0.39188	0.33057	0.29723	0.30676	0.32090	0.31021	0.32626	10.469	
	54 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	55 2-Methylfuran	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	56 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	57 cis-1,3-Dichloropropene	0.38513	0.37149	0.33897	0.36653	0.38352	0.37423	0.36998	4.533	

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 03-MAR-2004 13:25
End Cal Date : 03-MAR-2004 15:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp3.i\3030304d.b\8260bsoil.m
Cal Date : 03-Mar-2004 16:09 JOURNETP1
Curve Type : Average

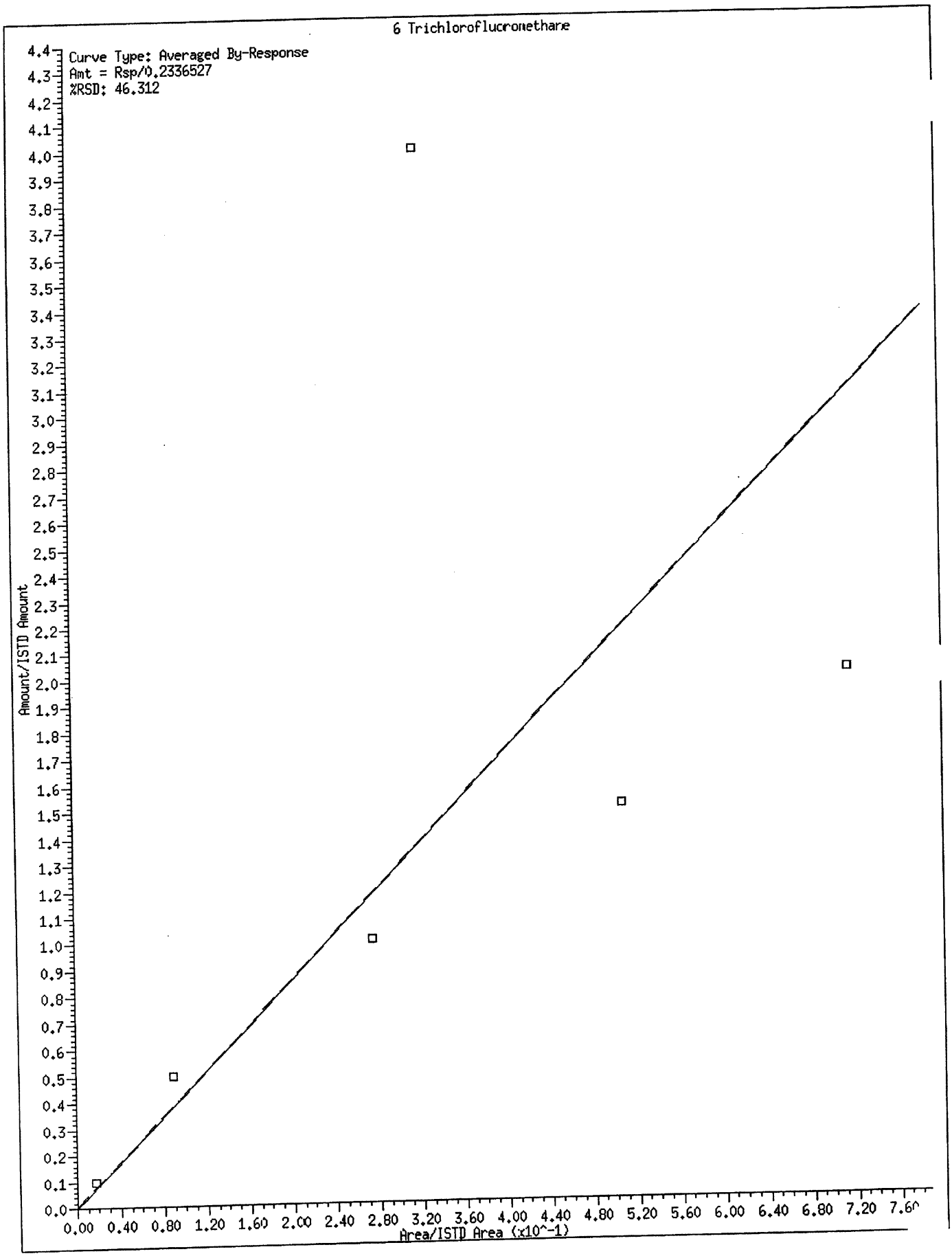
	Compound	5.000 Level 1	25.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
58	4-Methyl-2-Pentanone	1.13560	1.17171	1.02222	1.18998	1.25310	1.29550	1.17802	8.115	
60	Toluene	6.39135	5.63315	4.98589	5.26691	5.37614	5.02267	5.44602	9.564	
61	trans-1,3-Dichloropropene	1.43287	1.43766	1.31744	1.44353	1.50322	1.50281	1.43959	4.714	
62	Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
63	1,3-Dichloropropane	2.02252	1.79940	1.58950	1.68764	1.70393	1.65744	1.74341	8.766	
64	1,1,2-Trichloroethane	1.14452	0.97244	0.85075	0.91001	0.92792	0.90186	0.95125	10.781	
65	Tetrachloroethene	1.05767	0.94029	0.85391	0.89651	0.92666	0.87600	0.92517	7.810	
66	2-Hexanone	0.93572	0.99198	0.92023	1.05187	1.06945	1.09861	1.01131	7.270	
67	Dibromochloromethane	1.22853	1.08503	0.97610	1.03953	1.06279	1.03751	1.07158	7.940	
68	1,2-Dibromoethane	1.06974	0.95580	0.83155	0.90157	0.91285	0.89519	0.92778	8.645	
70	Chlorobenzene	4.03982	3.45804	3.05128	3.20506	3.27532	3.05594	3.34758	11.095	
71	1,1,1,2-Tetrachloroethane	1.26853	1.14292	1.02739	1.08471	1.12448	1.07078	1.11980	7.456	
72	Ethylbenzene	2.13675	1.93236	1.74200	1.81554	1.87480	1.74713	1.87476	7.889	
73	m + p-Xylene	2.71613	2.44601	2.14533	2.20685	2.24330	2.03229	2.29832	10.692	
74	Xylene-o	2.36392	2.23144	2.00741	2.08927	2.13308	1.97125	2.13273	6.855	
M 75	Xylenes (total)	2.59873	2.37449	2.09935	2.16766	2.20656	2.01195	2.24312	9.454	
76	Styrene	3.98570	3.72134	3.32089	3.45632	3.56702	3.23506	3.54772	7.770	
77	Bromoform	0.72008	0.64772	0.57521	0.63068	0.64216	0.64011	0.64266	7.204	
78	Isopropylbenzene	6.15734	5.96980	5.41995	5.63362	5.81022	5.39295	5.73065	5.325	
79	Bromobenzene	0.93469	0.83600	0.76408	0.81474	0.82862	0.80894	0.83118	6.808	
81	n-Propylbenzene	1.19251	1.09844	0.98049	1.03820	1.07576	1.02671	1.06869	6.843	
82	2-Chlorotoluene	0.98945	0.92203	0.82575	0.87901	0.90069	0.87330	0.89837	6.125	
83	1,1,2,2-Tetrachloroethane	1.70764	1.32799	1.15733	1.20779	1.21017	1.16321	1.29569	16.280	<-
84	1,2,3-Trichloropropane	0.30037	0.25865	0.22490	0.25090	0.24691	0.25676	0.25641	9.633	
85	4-Chlorotoluene	1.07099	0.94363	0.83900	0.87927	0.88396	0.81890	0.90596	10.106	
86	1,3,5-Trimethylbenzene	3.47988	3.30957	2.93914	3.08752	3.16610	3.02811	3.16839	6.245	
87	tert-Butylbenzene	2.80898	2.72408	2.49592	2.64146	2.72478	2.65704	2.67538	3.968	
88	1,2,4-Trimethylbenzene	3.53379	3.26756	2.94030	3.07383	3.19192	3.10277	3.18503	6.396	
89	sec-Butylbenzene	4.63532	4.36774	3.97605	4.16415	4.28503	4.15063	4.26315	5.295	
90	4-Isopropyltoluene	3.74324	3.51111	3.20020	3.33534	3.46355	3.34028	3.43229	5.460	
91	1,3-Dichlorobenzene	1.96996	1.73385	1.52810	1.58151	1.64316	1.61127	1.67798	9.453	
93	1,4-Dichlorobenzene	2.10959	1.74879	1.55120	1.60226	1.66013	1.60349	1.71258	12.018	
94	n-Butylbenzene	3.71732	3.49753	3.19583	3.23409	3.39784	3.22651	3.37819	6.018	

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 03-MAR-2004 13:25
End Cal Date : 03-MAR-2004 15:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp3.i\3030304d.b\8260bsoil.m
Cal Date : 03-Mar-2004 16:09 JOURNETP1
Curve Type : Average

Compound	5.000 Level 1	25.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
95 1,2-Dichlorobenzene	1.87002	1.57068	1.37944	1.41253	1.43929	1.33763	1.50160	13.122	
96 1,2-Dibromo-3-chloropropane	0.17231	0.15363	0.13655	0.15124	0.15277	0.16578	0.15538	8.021	
97 1,2,4-Trichlorobenzene	0.99996	0.92632	0.85660	0.81428	0.92679	0.91649	0.90674	7.085	
98 Hexachlorobutadiene	0.52438	0.44153	0.42871	0.39462	0.45263	0.44865	0.44842	9.523	
99 Naphthalene	2.25676	2.02187	1.84485	1.83628	2.04668	2.10601	2.01874	7.944	
100 1,2,3-Trichlorobenzene	0.98881	0.84044	0.75608	0.72079	0.82693	0.82744	0.82675	11.174	
101 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
102 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 trans-1,4-Dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
104 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 39 Dibromofluoromethane	0.27971	0.21149	0.22075	0.22985	0.22223	0.21684	0.23014	10.876	
$ 43 1,2-Dichloroethane-d4	0.33651	0.24768	0.25106	0.26173	0.25387	0.25057	0.26690	12.901	
$ 59 Toluene-d8	4.90218	4.17606	4.31080	4.50435	4.33974	4.15093	4.39734	6.325	
$ 80 Bromofluorobenzene	1.97372	1.57855	1.63508	1.68251	1.66217	1.59229	1.68739	8.640	


6 Trichloroflucromethane
Curve Type: Averaged By-Response
Amt = Rsp/0.2336527
%RSD: 46.312
Amount/ISTD Amount
Area/ISTD Area (x10^-1)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3.0
3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
4.0
4.1
4.2
4.3
4.4
0.00 0.40 0.80 1.20 1.60 2.00 2.40 2.80 3.20 3.60 4.00 4.40 4.80 5.20 5.60 6.00 6.40 6.80 7.20 7.60

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 13-JUL-2004 18:40
Lab File ID: 1C30713N.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071304n.b\8260bsoil.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	39 Dibromofluoromethane	0.23014	0.26086	0.010	13.3	25.0	
$	43 1,2-Dichloroethane-d4	0.26690	0.26796	0.010	0.4	25.0	
$	59 Toluene-d8	4.39734	4.74623	0.010	7.9	25.0	
$	80 Bromofluorobenzene	1.84739	1.84374	0.010	9.3	25.0	
	1 Dichlorodifluoromethane	0.30219	0.31171	0.010	3.2	25.0	
	2 Chloromethane	0.40223	0.39573	0.100	-1.6	25.0	
	3 Vinyl Chloride	0.35739	0.33931	0.010	-5.1	20.0	
	4 Bromomethane	0.05600	0.04330	0.010	-22.7	25.0	
	5 Chloroethane	0.05409	0.04377	0.010	-19.1	25.0	
	6 Trichlorofluoromethane	0.23365	0.19478	0.010	-16.6	25.0	
	10 1,1,2-trichloro-1,2,2-trifl	0.20783	0.20007	0.010	-3.7	25.0	
	12 1,1-Dichloroethene	0.20840	0.21112	0.010	1.3	20.0	
	15 Carbon Disulfide	0.74194	0.72294	0.010	-2.6	25.0	
	13 Acetone	0.16805	0.10248	0.010	-39.0	25.0	<-
	18 Methylene Chloride	0.25232	0.24083	0.010	-4.6	25.0	
	19 trans-1,2-Dichloroethene	0.27411	0.25675	0.010	-6.3	25.0	
	20 Methyl tert-butyl ether	0.44235	0.41914	0.010	-5.2	25.0	
	24 1,1-Dichloroethane	0.48994	0.43652	0.100	-10.9	25.0	
	27 2,2-Dichloropropane	0.27869	0.28339	0.010	1.7	25.0	
	28 cis-1,2-dichloroethene	0.27841	0.25434	0.010	-8.6	25.0	
M	29 1,2-Dichloroethene (total)	0.27626	0.25554	0.010	-7.5	25.0	
	30 Bromochloromethane	0.12014	0.11420	0.010	-4.9	25.0	
	31 2-Butanone	0.20610	0.17305	0.010	-16.0	25.0	
	37 Chloroform	0.46604	0.40630	0.010	-12.8	20.0	
	38 1,1,1-Trichloroethane	0.37859	0.33858	0.010	-10.6	25.0	
	40 1,1-Dichloropropene	0.36618	0.31114	0.010	-15.0	25.0	
	41 Carbon Tetrachloride	0.33981	0.31676	0.010	-6.8	25.0	
	42 Benzene	1.10985	1.01438	0.010	-8.6	25.0	
	45 1,2-Dichloroethane	0.33197	0.28093	0.010	-15.4	25.0	
	47 Trichloroethene	0.27198	0.23017	0.010	-15.4	25.0	
	49 1,2-Dichloropropane	0.27573	0.24801	0.010	-10.1	20.0	
	50 Dibromomethane	0.14094	0.12437	0.010	-11.8	25.0	
	53 Bromodichloromethane	0.32626	0.27652	0.010	-15.2	25.0	
	57 cis-1,3-Dichloropropene	0.36998	0.31790	0.010	-14.1	25.0	
	58 4-Methyl-2-Pentanone	1.17802	1.49156	0.010	26.6	25.0	<-

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 13-JUL-2004 18:40
Lab File ID: 1C30713N.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071304n.b\8260bsoil.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	60 Toluene	5.44602	4.95765	0.010	-9.0	20.0	
	61 trans-1,3-Dichloropropene	1.43959	1.28253	0.010	-10.9	25.0	
	63 1,3-Dichloropropane	1.74341	1.47500	0.010	-15.4	25.0	
	64 1,1,2-Trichloroethane	0.95125	0.82884	0.010	-12.9	25.0	
	65 Tetrachloroethene	0.92517	0.82964	0.010	-10.3	25.0	
	66 2-Hexanone	1.01131	1.17314	0.010	16.0	25.0	
	67 Dibromochloromethane	1.07158	0.97620	0.010	-8.9	25.0	
	68 1,2-Dibromoethane	0.92778	0.78047	0.010	-15.9	25.0	
	70 Chlorobenzene	3.34758	3.14150	0.300	-6.2	25.0	
	71 1,1,1,2-Tetrachloroethane	1.11980	1.02612	0.010	-8.4	25.0	
	72 Ethylbenzene	1.87476	1.74623	0.010	-6.9	20.0	
	73 m + p-Xylene	2.29832	2.21036	0.010	-3.8	25.0	
	74 Xylene-o	2.13273	2.00949	0.010	-5.8	25.0	
M	75 Xylenes (total)	2.24312	2.14340	0.010	-4.4	25.0	
	76 Styrene	3.54772	3.55467	0.010	0.2	25.0	
	77 Bromoform	0.64266	0.57770	0.100	-10.1	25.0	
	78 Isopropylbenzene	5.73065	5.25050	0.010	-8.4	25.0	
	79 Bromobenzene	0.83118	0.66431	0.010	-20.1	25.0	
	81 n-Propylbenzene	1.06869	0.87649	0.010	-18.0	25.0	
	82 2-Chlorotoluene	0.89837	0.73350	0.010	-18.4	25.0	
	83 1,1,2,2-Tetrachloroethane	1.29569	1.15528	0.300	-10.8	25.0	
	84 1,2,3-Trichloropropane	0.25641	0.18674	0.010	-27.2	25.0	<-
	85 4-Chlorotoluene	0.90596	0.77244	0.010	-14.7	25.0	
	86 1,3,5-Trimethylbenzene	3.16839	2.55441	0.010	-19.4	25.0	
	87 tert-Butylbenzene	2.67538	2.17217	0.010	-18.8	25.0	
	88 1,2,4-Trimethylbenzene	3.18503	2.56781	0.010	-19.4	25.0	
	89 sec-Butylbenzene	4.26315	3.47036	0.010	-18.6	25.0	
	90 4-Isopropyltoluene	3.43229	2.86445	0.010	-16.5	25.0	
	91 1,3-Dichlorobenzene	1.67798	1.39825	0.010	-16.7	25.0	
	93 1,4-Dichlorobenzene	1.71258	1.45514	0.010	-15.0	25.0	
	94 n-Butylbenzene	3.37819	2.69577	0.010	-20.2	25.0	
	95 1,2-Dichlorobenzene	1.50160	1.27859	0.010	-14.9	25.0	
	96 1,2-Dibromo-3-chloropropane	0.15538	0.09556	0.010	-38.5	25.0	<-
	97 1,2,4-Trichlorobenzene	0.90674	0.67713	0.010	-25.3	25.0	<-
	98 Hexachlorobutadiene	0.44842	0.35348	0.010	-21.2	25.0	

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 13-JUL-2004 18:40
Lab File ID: 1C30713N.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071304n.b\8260bsoil.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
100 1,2,3-Trichlorobenzene	0.82675	0.65245	0.010	-21.1	25.0	
156 Methyl Acetate	0.19294	0.14226	0.010	-26.3	25.0	<-
157 Cyclohexane	0.52092	0.45655	0.010	-12.4	25.0	
158 Methyl Cyclohexane	0.50862	0.46603	0.010	-8.4	25.0	

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 14-JUL-2004 06:31
Lab File ID: 1C30714.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071404d.b\8260bsoil.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	39 Dibromofluoromethane	0.23014	0.24302	0.010	5.6	25.0	
$	43 1,2-Dichloroethane-d4	0.26690	0.27623	0.010	3.5	25.0	
$	59 Toluene-d8	4.39734	4.23738	0.010	-3.6	25.0	
$	80 Bromofluorobenzene	1.68739	1.65967	0.010	-1.6	25.0	
	1 Dichlorodifluoromethane	0.30219	0.34449	0.010	14.0	25.0	
	2 Chloromethane	0.40223	0.44546	0.100	10.7	25.0	
	3 Vinyl Chloride	0.35739	0.36830	0.010	3.1	20.0	
	4 Bromomethane	0.05600	0.04042	0.010	-27.8	25.0	<-
	5 Chloroethane	0.05409	0.04603	0.010	-14.9	25.0	
	6 Trichlorofluoromethane	0.23365	0.20676	0.010	-11.5	25.0	
	10 1,1,2-trichloro-1,2,2-trifl	0.20783	0.20286	0.010	-2.4	25.0	
	12 1,1-Dichloroethene	0.20840	0.22342	0.010	7.2	20.0	
	15 Carbon Disulfide	0.74194	0.75087	0.010	1.2	25.0	
	13 Acetone	0.16805	0.13960	0.010	-16.9	25.0	
	18 Methylene Chloride	0.25232	0.28157	0.010	11.6	25.0	
	19 trans-1,2-Dichloroethene	0.27411	0.29479	0.010	7.5	25.0	
	20 Methyl tert-butyl ether	0.44235	0.51663	0.010	16.8	25.0	
	24 1,1-Dichloroethane	0.48994	0.50201	0.100	2.5	25.0	
	27 2,2-Dichloropropane	0.27869	0.31328	0.010	12.4	25.0	
	28 cis-1,2-dichloroethene	0.27841	0.29009	0.010	4.2	25.0	
M	29 1,2-Dichloroethene (total)	0.27626	0.29244	0.010	5.9	25.0	
	30 Bromochloromethane	0.12014	0.13187	0.010	9.8	25.0	
	31 2-Butanone	0.20610	0.21343	0.010	3.6	25.0	
	37 Chloroform	0.46604	0.46647	0.010	0.1	20.0	
	38 1,1,1-Trichloroethane	0.37859	0.37783	0.010	-0.2	25.0	
	40 1,1-Dichloropropene	0.36618	0.34946	0.010	-4.6	25.0	
	41 Carbon Tetrachloride	0.33981	0.34514	0.010	1.6	25.0	
	42 Benzene	1.10985	1.13684	0.010	2.4	25.0	
	45 1,2-Dichloroethane	0.33197	0.32810	0.010	-1.2	25.0	
	47 Trichloroethene	0.27198	0.26227	0.010	-3.6	25.0	
	49 1,2-Dichloropropane	0.27573	0.27844	0.010	1.0	20.0	
	50 Dibromomethane	0.14094	0.14760	0.010	4.7	25.0	
	53 Bromodichloromethane	0.32626	0.30856	0.010	-5.4	25.0	
	57 cis-1,3-Dichloropropene	0.36998	0.36875	0.010	-0.3	25.0	
	58 4-Methyl-2-Pentanone	1.17802	1.17577	0.010	-0.2	25.0	

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i
Lab File ID: 1C30714.D
Analysis Type: SOIL
Lab Sample ID: vstd50
Method: \\qpitpa02\d\chem\hp3.i\3071404d.b\8260bsoil.m

Injection Date: 14-JUL-2004 06:31
Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Init. Cal. Times: 13:25 15:33
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	60 Toluene	5.44602	5.43040	0.010	-0.3	20.0
	61 trans-1,3-Dichloropropene	1.43959	1.50577	0.010	4.6	25.0
	63 1,3-Dichloropropane	1.74341	1.70374	0.010	-2.3	25.0
	64 1,1,2-Trichloroethane	0.95125	0.95790	0.010	0.7	25.0
	65 Tetrachloroethene	0.92517	0.92242	0.010	-0.3	25.0
	66 2-Hexanone	1.01131	1.03538	0.010	2.4	25.0
	67 Dibromochloromethane	1.07158	1.10315	0.010	2.9	25.0
	68 1,2-Dibromoethane	0.92778	0.91892	0.010	-1.0	25.0
	70 Chlorobenzene	3.34758	3.46539	0.300	3.5	25.0
	71 1,1,1,2-Tetrachloroethane	1.11980	1.12964	0.010	0.9	25.0
	72 Ethylbenzene	1.87476	1.95348	0.010	4.2	20.0
	73 m + p-Xylene	2.29832	2.42999	0.010	5.7	25.0
	74 Xylene-o	2.13273	2.24183	0.010	5.1	25.0
M	75 Xylenes (total)	2.24312	2.36727	0.010	5.5	25.0
	76 Styrene	3.54772	3.94503	0.010	11.2	25.0
	77 Bromoform	0.64266	0.70448	0.100	9.6	25.0
	78 Isopropylbenzene	5.73065	5.81782	0.010	1.5	25.0
	79 Bromobenzene	0.83118	0.75399	0.010	-9.3	25.0
	81 n-Propylbenzene	1.06869	0.97542	0.010	-8.7	25.0
	82 2-Chlorotoluene	0.89837	0.81907	0.010	-8.8	25.0
	83 1,1,2,2-Tetrachloroethane	1.29569	1.42033	0.300	9.6	25.0
	84 1,2,3-Trichloropropane	0.25641	0.23232	0.010	-9.4	25.0
	85 4-Chlorotoluene	0.90596	0.84011	0.010	-7.3	25.0
	86 1,3,5-Trimethylbenzene	3.16839	2.80749	0.010	-11.4	25.0
	87 tert-Butylbenzene	2.67538	2.40023	0.010	-10.3	25.0
	88 1,2,4-Trimethylbenzene	3.18503	2.86115	0.010	-10.2	25.0
	89 sec-Butylbenzene	4.26315	3.85251	0.010	-9.6	25.0
	90 4-Isopropyltoluene	3.43229	3.15752	0.010	-8.0	25.0
	91 1,3-Dichlorobenzene	1.67798	1.57193	0.010	-6.3	25.0
	93 1,4-Dichlorobenzene	1.71258	1.62906	0.010	-4.9	25.0
	94 n-Butylbenzene	3.37819	2.99421	0.010	-11.4	25.0
	95 1,2-Dichlorobenzene	1.50160	1.44975	0.010	-3.5	25.0
	96 1,2-Dibromo-3-chloropropane	0.15538	0.13176	0.010	-15.2	25.0
	97 1,2,4-Trichlorobenzene	0.90674	0.80586	0.010	-11.1	25.0
	98 Hexachlorobutadiene	0.44842	0.40547	0.010	-9.6	25.0
	99 Naphthalene	2.01874	2.03499	0.010	0.8	25.0

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 14-JUL-2004 06:31
Lab File ID: 1C30714.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071404d.b\8260bsoil.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
100 1,2,3-Trichlorobenzene	0.82675	0.77971	0.010	-5.7	25.0
156 Methyl Acetate	0.19294	0.18602	0.010	-3.6	25.0
157 Cyclohexane	0.52092	0.51450	0.010	-1.2	25.0
158 Methyl Cyclohexane	0.50862	0.51735	0.010	1.7	25.0

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 16-JUL-2004 08:52
Lab File ID: 1C30716K.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071604d.b\8260bsoil.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	39 Dibromofluoromethane	0.23014	0.23384	0.010	1.6	25.0	
$	43 1,2-Dichloroethane-d4	0.26690	0.22324	0.010	-16.4	25.0	
$	59 Toluene-d8	4.39734	4.58411	0.010	4.2	25.0	
$	80 Bromofluorobenzene	1.68739	1.66108	0.010	-1.6	25.0	
	1 Dichlorodifluoromethane	0.30219	0.28451	0.010	-5.9	25.0	
	2 Chloromethane	0.40223	0.39208	0.100	-2.5	25.0	
	3 Vinyl Chloride	0.35739	0.35181	0.010	-1.6	20.0	
	4 Bromomethane	0.05600	0.06475	0.010	15.6	25.0	
	5 Chloroethane	0.05409	0.04930	0.010	-8.9	25.0	
	6 Trichlorofluoromethane	0.23365	0.40033	0.010	71.3	25.0	<-
	10 1,1,2-trichloro-1,2,2-trifl	0.20783	0.23899	0.010	15.0	25.0	
	12 1,1-Dichloroethene	0.20840	0.24722	0.010	18.6	20.0	
	15 Carbon Disulfide	0.74194	0.83545	0.010	12.6	25.0	
	13 Acetone	0.16805	0.10575	0.010	-37.1	25.0	<-
	18 Methylene Chloride	0.25232	0.25384	0.010	0.6	25.0	
	19 trans-1,2-Dichloroethene	0.27411	0.27931	0.010	1.9	25.0	
	20 Methyl tert-butyl ether	0.44235	0.33625	0.010	-24.0	25.0	
	24 1,1-Dichloroethane	0.48994	0.47853	0.100	-2.3	25.0	
	27 2,2-Dichloropropane	0.27869	0.32126	0.010	15.3	25.0	
	28 cis-1,2-dichloroethene	0.27841	0.28117	0.010	1.0	25.0	
M	29 1,2-Dichloroethene (total)	0.27626	0.28024	0.010	1.4	25.0	
	30 Bromochloromethane	0.12014	0.11210	0.010	-6.7	25.0	
	31 2-Butanone	0.20610	0.13898	0.010	-32.6	25.0	<-
	37 Chloroform	0.46604	0.45596	0.010	-2.2	20.0	
	38 1,1,1-Trichloroethane	0.37859	0.39475	0.010	4.3	25.0	
	40 1,1-Dichloropropene	0.36618	0.36692	0.010	0.2	25.0	
	41 Carbon Tetrachloride	0.33981	0.36849	0.010	8.4	25.0	
	42 Benzene	1.10985	1.15893	0.010	4.4	25.0	
	45 1,2-Dichloroethane	0.33197	0.27883	0.010	-16.0	25.0	
	47 Trichloroethene	0.27198	0.26352	0.010	-3.1	25.0	
	49 1,2-Dichloropropane	0.27573	0.27250	0.010	-1.2	20.0	
	50 Dibromomethane	0.14094	0.11525	0.010	-18.2	25.0	
	53 Bromodichloromethane	0.32626	0.29593	0.010	-9.3	25.0	
	57 cis-1,3-Dichloropropene	0.36998	0.33943	0.010	-8.3	25.0	
	58 4-Methyl-2-Pentanone	1.17802	0.99550	0.010	-15.5	25.0	

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i
Lab File ID: 1C30716K.D
Analysis Type: SOIL
Lab Sample ID: vstd50
Method: \\qpitpa02\d\chem\hp3.i\3071604d.b\8260bsoil.m

Injection Date: 16-JUL-2004 08:52
Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Init. Cal. Times: 13:25 15:33
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	60 Toluene	5.44602	5.87718	0.010	7.9	20.0	
	61 trans-1,3-Dichloropropene	1.43959	1.28765	0.010	-10.6	25.0	
	63 1,3-Dichloropropane	1.74341	1.42773	0.010	-18.1	25.0	
	64 1,1,2-Trichloroethane	0.95125	0.79665	0.010	-16.3	25.0	
	65 Tetrachloroethene	0.92517	0.97261	0.010	5.1	25.0	
	66 2-Hexanone	1.01131	0.72528	0.010	-28.3	25.0	<-
	67 Dibromochloromethane	1.07158	0.96479	0.010	-10.0	25.0	
	68 1,2-Dibromoethane	0.92778	0.72792	0.010	-21.5	25.0	
	70 Chlorobenzene	3.34758	3.58243	0.300	7.0	25.0	
	71 1,1,1,2-Tetrachloroethane	1.11980	1.13915	0.010	1.7	25.0	
	72 Ethylbenzene	1.87476	2.06288	0.010	10.0	20.0	
	73 m + p-Xylene	2.29832	2.62694	0.010	14.3	25.0	
	74 Xylene-o	2.13273	2.35519	0.010	10.4	25.0	
M	75 Xylenes (total)	2.24312	2.53636	0.010	13.1	25.0	
	76 Styrene	3.54772	4.01380	0.010	13.1	25.0	
	77 Bromoform	0.64266	0.48849	0.100	-24.0	25.0	
	78 Isopropylbenzene	5.73065	6.28186	0.010	9.6	25.0	
	79 Bromobenzene	0.83118	0.75326	0.010	-9.4	25.0	
	81 n-Propylbenzene	1.06869	1.08637	0.010	1.7	25.0	
	82 2-Chlorotoluene	0.89837	0.89632	0.010	-0.2	25.0	
	83 1,1,2,2-Tetrachloroethane	1.29569	0.95896	0.300	-26.0	25.0	<-
	84 1,2,3-Trichloropropane	0.25641	0.15894	0.010	-38.0	25.0	<-
	85 4-Chlorotoluene	0.90596	0.94409	0.010	4.2	25.0	
	86 1,3,5-Trimethylbenzene	3.16839	3.15402	0.010	-0.5	25.0	
	87 tert-Butylbenzene	2.67538	2.71688	0.010	1.6	25.0	
	88 1,2,4-Trimethylbenzene	3.18503	3.17211	0.010	-0.4	25.0	
	89 sec-Butylbenzene	4.26315	4.38847	0.010	2.9	25.0	
	90 4-Isopropyltoluene	3.43229	3.60274	0.010	5.0	25.0	
	91 1,3-Dichlorobenzene	1.67798	1.63651	0.010	-2.5	25.0	
	93 1,4-Dichlorobenzene	1.71258	1.68211	0.010	-1.8	25.0	
	94 n-Butylbenzene	3.37819	3.44439	0.010	2.0	25.0	
	95 1,2-Dichlorobenzene	1.50160	1.43729	0.010	-4.3	25.0	
	96 1,2-Dibromo-3-chloropropane	0.15538	0.13820	0.010	-11.1	25.0	
	97 1,2,4-Trichlorobenzene	0.90674	0.71655	0.010	-21.0	25.0	
	98 Hexachlorobutadiene	0.44842	0.42912	0.010	-4.3	25.0	
	99 Naphthalene	2.01874	1.23746	0.010	-38.7	25.0	<-

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 16-JUL-2004 08:52
Lab File ID: 1C30716K.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071604d.b\8260bsoil.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
100 1,2,3-Trichlorobenzene	0.82675	0.62955	0.010	-23.9	25.0	
156 Methyl Acetate	0.19294	0.10168	0.010	-47.3	25.0	<-
157 Cyclohexane	0.52092	0.50790	0.010	-2.5	25.0	
158 Methyl Cyclohexane	0.50862	0.53867	0.010	5.9	25.0	

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUL-2004 14:35
End Cal Date : 13-JUL-2004 16:40
Quant Method : ISTD
Origin : Force
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp5.i\5071304d.b\med500.m
Cal Date : 15-Jul-2004 08:14 JOURNETP1

Calibration File Names:
Level 1: \\qpitpa02\d\chem\hp5.i\5071304d.b\2A50713N.D
Level 2: \\qpitpa02\d\chem\hp5.i\5071304d.b\2B50713N.D
Level 3: \\qpitpa02\d\chem\hp5.i\5071304d.b\2C50713N.D
Level 4: \\qpitpa02\d\chem\hp5.i\5071304d.b\2D50713N.D
Level 5: \\qpitpa02\d\chem\hp5.i\5071304d.b\2E50713N.D
Level 6: \\qpitpa02\d\chem\hp5.i\5071304d.b\2F50713N.D

Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
1 Dichlorodifluoromethane	0.21645	0.16448	0.19850	0.18380	0.19921	0.16639	AVRG		0.18814		10.84995	
158 N-Heptane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
155 Methyl Acetate	0.21139	0.16234	0.15491	0.15639	0.19281	0.17488	AVRG		0.17545		12.87275	
156 Cyclohexane	0.37702	0.32735	0.36023	0.37812	0.39157	0.36486	AVRG		0.36652		6.03841	
157 Methyl Cyclohexane	0.31775	0.30486	0.33200	0.35394	0.37979	0.35667	AVRG		0.34083		8.13696	
2 Chloromethane	0.27075	0.19804	0.21503	0.20466	0.22658	0.18894	AVRG		0.21733		13.46718	
3 Vinyl Chloride	0.32815	0.22812	0.21829	0.20436	0.23563	0.17856	AVRG		0.23219		22.02913	<-
4 Bromomethane	0.76366	0.54071	0.57818	0.55054	0.62846	0.49758	AVRG		0.59319		15.85824	<-
5 Chloroethane	0.40549	0.29858	0.30356	0.31594	0.33645	0.26890	AVRG		0.32149		14.53816	

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUL-2004 14:35
End Cal Date : 13-JUL-2004 16:40
Quant Method : ISTD
Origin : Force
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp5.i\5071304d.b\med500.m
Cal Date : 15-Jul-2004 08:14 JOURNETP1

Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
6 Trichlorofluoromethane	0.72433	0.54129	0.59932	0.63993	0.68153	0.81040	AVRG		0.66613		14.26884	
7 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
8 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
9 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
10 1,1,2-trichloro-1,2,2-trifluo	0.42547	0.31833	0.31158	0.31052	0.34525	0.29926	AVRG		0.33507		13.99407	
11 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
12 1,1-Dichloroethene	0.37998	0.28127	0.28661	0.28762	0.31361	0.27734	AVRG		0.30440		12.86097	
13 Acetone	0.06983	0.09603	0.08240	0.07638	0.10230	0.07397	AVRG		0.08349		15.52379	<-
14 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15 Carbon Disulfide	1.21911	0.88418	0.87053	0.89788	0.99213	0.82414	AVRG		0.94800		15.16755	<-
16 3-Chloro-1-propene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
17 Acetonitrile	0.01834	0.01114	0.01415	0.01440	0.01931	0.02076	AVRG		0.01635		22.53393	<-
18 Methylene Chloride	0.38413	0.30066	0.29603	0.28091	0.34076	0.28718	AVRG		0.31495		12.65633	
19 trans-1,2-Dichloroethene	0.42059	0.29171	0.29433	0.29280	0.34021	0.28702	AVRG		0.32111		16.36484	<-
20 Methyl tert-butyl ether	0.68828	0.53164	0.57080	0.57853	0.70300	0.63411	AVRG		0.61773		11.13774	
21 tert-Butyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
22 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUL-2004 14:35
End Cal Date : 13-JUL-2004 16:40
Quant Method : ISTD
Origin : Force
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp5.i\5071304d.b\med500.m
Cal Date : 15-Jul-2004 08:14 JOURNETP1

	Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	23 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	24 1,1-Dichloroethane	0.60219	0.44952	0.45807	0.45798	0.52476	0.44673	AVRG		0.48987		12.69899	
	25 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	26 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	27 2,2-Dichloropropane	0.49286	0.39397	0.39358	0.39813	0.43894	0.38567	AVRG		0.41719		9.97164	
	28 cis-1,2-dichloroethene	0.37487	0.30219	0.29845	0.30098	0.34764	0.31807	AVRG		0.32370		9.61097	
M	29 1,2-Dichloroethene (total)	0.39773	0.29695	0.29639	0.29689	0.34392	0.30254	AVRG		0.32241		12.79409	
	30 Bromochloromethane	0.21801	0.17169	0.16633	0.16939	0.19130	0.17895	AVRG		0.18261		10.67688	
	31 2-Butanone	0.11653	0.08921	0.08964	0.08544	0.10510	0.09469	AVRG		0.09677		12.23194	
	32 Vinyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	33 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	34 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	35 Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	37 Chloroform	0.62235	0.47128	0.46287	0.46529	0.52293	0.46564	AVRG		0.50173		12.62654	
	38 1,1,1-Trichloroethane	0.55811	0.44418	0.44327	0.45552	0.48592	0.45882	AVRG		0.47430		9.24870	
	40 1,1-Dichloropropene	0.37017	0.30804	0.33600	0.35408	0.36648	0.34428	AVRG		0.34651		6.59551	

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUL-2004 14:35
End Cal Date : 13-JUL-2004 16:40
Quant Method : ISTD
Origin : Force
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp5.i\5071304d.b\med500.m
Cal Date : 15-Jul-2004 08:14 JOURNETP1

Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
41 Carbon Tetrachloride	0.48931	0.38585	0.41684	0.44049	0.46432	0.43092	AVRG		0.43795		8.26343	
42 Benzene	1.29672	1.01306	1.05776	1.12038	1.20942	1.12821	AVRG		1.13759		9.02872	
44 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
45 1,2-Dichloroethane	0.40754	0.29226	0.30040	0.31159	0.35781	0.32972	AVRG		0.33322		12.98666	
47 Trichloroethene	0.36876	0.31156	0.31182	0.32673	0.35286	0.32949	AVRG		0.33354		6.87740	
48 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
49 1,2-Dichloropropane	0.28928	0.22697	0.23693	0.24479	0.27820	0.25794	AVRG		0.25568		9.47663	
50 Dibromomethane	0.20418	0.15615	0.15699	0.16250	0.18488	0.17408	AVRG		0.17313		10.85144	
51 Methyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
52 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
53 Bromodichloromethane	0.32961	0.28052	0.29617	0.29261	0.33769	0.31885	AVRG		0.30924		7.35855	
54 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
55 2-Methylfuran	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
56 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
57 cis-1,3-Dichloropropene	0.36310	0.31986	0.35418	0.36690	0.40780	0.41012	AVRG		0.37033		9.24379	
58 4-Methyl-2-Pentanone	0.66400	0.81971	0.61613	0.62377	0.73353	0.69789	AVRG		0.69251		11.04709	
60 Toluene	5.44587	6.22489	4.64795	5.00801	5.43385	5.09830	AVRG		5.30981		10.12491	

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUL-2004 14:35
End Cal Date : 13-JUL-2004 16:40
Quant Method : ISTD
Origin : Force
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp5.i\5071304d.b\med500.m
Cal Date : 15-Jul-2004 08:14 JOURNETP1

	Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
	61 trans-1,3-Dichloropropene	1.41910	1.63216	1.25475	1.34366	1.52375	1.47101	AVRG		1.44074		9.25687	
	62 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	63 1,3-Dichloropropane	1.76104	1.84828	1.38644	1.41288	1.63189	1.54352	AVRG		1.59734		11.62352	
	64 1,1,2-Trichloroethane	1.15035	1.18953	0.83803	0.88238	1.02502	0.93666	AVRG		1.00366		14.31100	
	65 Tetrachloroethene	1.23842	1.30999	0.94315	1.02977	1.06380	1.03507	AVRG		1.10337		12.70459	
	66 2-Hexanone	0.49692	0.63667	0.42598	0.43276	0.50954	0.47431	AVRG		0.49603		15.44465	<-
	67 Dibromochloromethane	1.27512	1.40221	1.02716	1.11151	1.24920	1.20656	AVRG		1.21196		10.81109	
	68 1,2-Dibromoethane	1.05127	1.14198	0.82016	0.85528	0.97526	0.92149	AVRG		0.96091		12.63309	
	70 Chlorobenzene	3.60216	3.16479	3.34225	3.50841	3.71004	3.49390	AVRG		3.47026		5.56690	
	71 1,1,1,2-Tetrachloroethane	0.86476	1.01532	1.12365	1.20215	1.31972	1.23414	AVRG		1.12662		14.61294	
	72 Ethylbenzene	0.97723	1.53326	1.73380	1.88267	1.96802	1.87651	AVRG		1.66191		22.17390	<-
	73 m + p-Xylene	1.40853	2.17233	2.39935	2.68064	2.77673	2.90152	AVRG		2.38985		22.96785	<-
	74 Xylene-o	4201	34831	117251	194385	158128	387859	QUAD	0.12382	0.37503	-0.00048	0.99883	
M	75 Xylenes (total)	1.24130	2.05417	2.32032	2.61180	2.71079	2.80527	AVRG		2.29061		25.47399	<-
	76 Styrene	2.04684	3.57167	3.77856	4.26465	4.54731	4.72828	AVRG		3.82289		25.52028	<-
	77 Bromoform	0.37453	0.49080	0.55446	0.62071	0.69990	0.68617	AVRG		0.57109		21.82200	<-
	78 Isopropylbenzene	8598	74894	249051	402775	321172	769707	QUAD	0.11421	0.17933	0.00037	0.99920	

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUL-2004 14:35
End Cal Date : 13-JUL-2004 16:40
Quant Method : ISTD
Origin : Force
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp5.i\5071304d.b\med500.m
Cal Date : 15-Jul-2004 08:14 JOURNETP1

Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
79 Bromobenzene	0.59521	0.58084	0.68579	0.70449	0.77583	0.73270	AVRG		0.67914		11.33140	
81 n-Propylbenzene	0.47414	0.65838	0.72620	0.74768	0.79468	0.75126	AVRG		0.69206		16.71631	<-
82 2-Chlorotoluene	0.59567	0.60375	0.67705	0.68268	0.74880	0.68541	AVRG		0.66556		8.61862	
83 1,1,2,2-Tetrachloroethane	0.66831	0.48805	0.51268	0.52200	0.59133	0.55490	AVRG		0.55621		11.79322	
84 1,2,3-Trichloropropane	0.18463	0.15452	0.16212	0.15309	0.18082	0.15921	AVRG		0.16573		8.21137	
85 4-Chlorotoluene	0.77803	0.75553	0.82528	0.87262	0.91272	0.91184	AVRG		0.84267		7.98924	
86 1,3,5-Trimethylbenzene	1.54819	1.83367	2.04966	2.14730	2.30834	2.27766	AVRG		2.02747		14.35613	
87 tert-Butylbenzene	0.91514	1.36679	1.61553	1.71004	1.80018	1.67456	AVRG		1.51371		21.64444	<-
88 1,2,4-Trimethylbenzene	1.59844	1.85777	2.01017	2.04468	2.20039	2.04673	AVRG		1.95970		10.61035	
89 sec-Butylbenzene	1.69999	2.13747	2.33138	2.43714	2.54029	2.33963	AVRG		2.24765		13.33375	
90 4-Isopropyltoluene	1.74357	2.04917	2.18954	2.31317	2.39399	2.27511	AVRG		2.16076		10.91319	
91 1,3-Dichlorobenzene	1.43424	1.24676	1.36569	1.43232	1.55895	1.46276	AVRG		1.41679		7.36159	
93 1,4-Dichlorobenzene	1.96347	1.47616	1.56412	1.59602	1.71648	1.59894	AVRG		1.65253		10.33207	
94 n-Butylbenzene	1.10734	1.59998	1.79811	1.96053	2.02243	2.07963	AVRG		1.76134		20.69373	<-
95 1,2-Dichlorobenzene	1.47510	1.34175	1.44578	1.55124	1.68640	1.72513	AVRG		1.53757		9.56702	
96 1,2-Dibromo-3-chloropropane	0.06689	0.05709	0.07935	0.08030	0.09505	0.09152	AVRG		0.07837		18.40703	<-
97 1,2,4-Trichlorobenzene	0.42133	0.38354	0.60730	0.66249	0.72387	0.69161	AVRG		0.58169		24.84852	<-

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUL-2004 14:35
End Cal Date : 13-JUL-2004 16:40
Quant Method : ISTD
Origin : Force
Target Version : 4.04
Integrator : HP RTE
Method file : \\qpitpa02\d\chem\hp5.i\5071304d.b\med500.m
Cal Date : 15-Jul-2004 08:14 JOURNETP1

Compound	5.0000 Level 1	25.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
98 Hexachlorobutadiene	0.35595	0.24328	0.24185	0.24737	0.26204	0.22563	AVRG		0.26269		17.94988	<-
99 Naphthalene	0.75942	0.98382	1.25732	1.36659	1.54275	1.35116	AVRG		1.21018		23.70826	<-
100 1,2,3-Trichlorobenzene	0.57857	0.45459	0.52214	0.55886	0.48177	0.44963	AVRG		0.50759		10.68674	
101 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
102 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 trans-1,4-Dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
104 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
$ 39 Dibromofluoromethane	0.36328	0.30506	0.32070	0.31472	0.35598	0.37814	AVRG		0.33965		8.81615	
$ 43 1,2-Dichloroethane-d4	0.32874	0.27315	0.27017	0.27234	0.30958	0.31877	AVRG		0.29546		8.98331	
$ 59 Toluene-d8	4.29833	5.74870	4.23706	4.39673	4.62132	5.19013	AVRG		4.74871		12.63352	
$ 80 Bromofluorobenzene	0.63335	1.09006	1.17117	1.25357	1.32204	1.54259	AVRG		1.16879		26.04388	<-

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: THE RETEC GROUP INC

Lab Code: STLPIT SDG No:

Lot #: C4G100151

Extraction: XXA4BQK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	SW06 (40-90)	75	69	169*	74	01
02	SW06 (40-90) RE-1	90	76	163*	86	01
03	INTRA-LAB QC	98	81	123	93	00
04	METHOD BLK. GLDT21AA	85	84	58	82	00
05	LCS GLDT21AC	79	74	91	83	00
06	LAB MS/MSD D	95	80	109	90	00
07	LAB MS/MSD S	92	78	102	85	00

SURROGATES		QC LIMITS
SRG01	= 1,2-Dichloroethane-d4	(61-130)
SRG02	= Toluene-d8	(60-143)
SRG03	= 4-Bromofluorobenzene	(47-158)
SRG04	= Dibromofluoromethane	(59-138)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: THE RETEC GROUP INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: SW01 (0-51)

Lot #: C4G100151 WO #: GKT9H1AH
BATCH: 4196043

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenol	2960	ND	2220	70	10- 148	
1,4-Dichlorobenzene	1970	ND	939	48	18- 110	
N-Nitrosodi-n-propylamine	1970	ND	1560	79	12- 128	
1,2,4-Trichlorobenzene	1970	ND	1110	56	16- 121	
4-Chloro-3-methylphenol	2960	ND	2160	73	17- 128	
Acenaphthene	1970	380	1750	69	13- 133	
2,4-Dinitrotoluene	1970	ND	1340	68	10- 171	
Pentachlorophenol	2960	ND	1240	42	10- 144	
Pyrene	1970	14000	13200	0*	10- 218	a
2-Chlorophenol	2960	ND	1950	66	17- 116	
4-Nitrophenol	2960	ND	2250	76	10- 148	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: THE RETEC GROUP INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: SW01 (0-51)

Lot #: C4G100151 WO #: GKT9H1AJ
BATCH: 4196043

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Phenol	2960	2630	84	17		50	10- 148	
1,4-Dichlorobenzene	1970	1080	55	14		59	18- 110	
N-Nitrosodi-n-propylamine	1970	1620	82	3.8		50	12- 128	
1,2,4-Trichlorobenzene	1970	1280	65	14		54	16- 121	
4-Chloro-3-methylphenol	2960	2490	84	14		55	17- 128	
Acenaphthene	1970	1940	79	10		44	13- 133	
2,4-Dinitrotoluene	1970	1570	80	16		45	10- 171	
Pentachlorophenol	2960	1650 # *	56	28		87	10- 144	
Pyrene	1970	14200 *	19	0.0		66	10- 218	
2-Chlorophenol	2960	2370	80	19		54	17- 116	
4-Nitrophenol	2960	2640	89	16		64	10- 148	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

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

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: THE RETEC GROUP INC

Lab Code: STLPIT SDG No:

Lot #: C4G100151

Extraction: XXA4FQL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	SW01 (0-51)	59	70	68	65	71	63	00
02	SD01 (30)	35	82	78	71	78	71	00
03	SW03 (0-62)	53	69	68	71	69	59	00
04	SW04 (0-62)	69	74	74	71	78	57	00
05	SW04 (0-62) RE-1 (DIL)	65	67	65	61	70	50	00
06	SW05 (0-57)	52	59	61	61	62	46	00
07	SW06 (40-90)	0 D	0 D	0 D	0 D	0 D	0 D	06
08	SW06 (40-90) RE-1 (DIL)	0 D	0 D	0 D	0 D	0 D	0 D	06
09	SW07 (0-47)	51	56	61	60	64	46	00
10	SW08 (0-51)	60	63	67	66	69	53	00
11	SW09 (0-51)	83	81	84	81	87	54	00
12	SW09 (0-51) RE-1 (DIL)	0 D	0 D	0 D	0 D	0 D	0 D	06
13	SB01 (51)	75	74	78	81	79	47	00
14	SB01 (51) RE-1 (DIL)	0.0D	0.0D	0.0D	0.0D	0.0D	0.0D	06
15	SB02 (40)	0 D	0 D	0 D	0 D	0 D	0 D	06
16	SB03 (51)	0 D	0 D	0 D	0 D	0 D	0 D	06
17	SB04 (51)	56	60	69	62	68	41	00
18	SB05 (72)	0 D	0 D	0 D	0 D	0 D	0 D	06
19	SB06 (57)	50	55	72	63	71	37	00
20	SB07 (62)	57	64	73	68	74	43	00
21	SD02 (75)	61	63	62	64	67	48	00
22	SW10 (40-70)	74	83	78	57	79	68	00
23	SW10 (40-70) RE-1 (DIL)	45	60	63	52	62	55	00
24	SW02 (0-51)	0 D	0 D	0 D	0 D	0 D	0 D	06
25	SW11	73	82	84	75	84	75	00
26	METHOD BLK. GK10J1AA	61	61	68	65	68	68	00
27	LCS GK10J1AC	68	65	68	70	70	68	00

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: THE RETEC GROUP INC

Lab Code: STLPIT SDG No:

Lot #: C4G100151

Extraction: XXA4FQL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	SW01 (0-51) D	66	79	84	77	86	55	00
02	SW01 (0-51) S	58	69	71	72	72	59	00

SURROGATES		QC LIMITS
SRG01	= 2,4,6-Tribromophenol	(35-116)
SRG02	= 2-Fluorobiphenyl	(43-110)
SRG03	= 2-Fluorophenol	(11-116)
SRG04	= Nitrobenzene-d5	(42-110)
SRG05	= Phenol-d5	(25-115)
SRG06	= Terphenyl-d14	(37-137)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH Contract:

Lab Code: Case No.: SAS No.: SDG No.: C4G100151

Lab File ID (Standard): F07150C1 Date Analyzed: 07/15/04

Instrument ID: 722 Time Analyzed: 0723

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	536800	10.58	532481	16.17	457423	19.32
	UPPER LIMIT	1073600	11.08	1064962	16.67	914846	19.82
	LOWER LIMIT	268400	10.08	266241	15.67	228712	18.82
	CLIENT SAMPLE NO.						
MSD 01	SW01 (0-51)	551359	10.58	703643	16.18	660202	19.35
02	SD01 (30)	519494	10.56	592364	16.15	615603	19.30
DIL03	SW04 (0-62)	587491	10.58	741901	16.18	813023	19.36
DIL04	SW06 (40-90)	526775	10.59	590131	16.19	662377	19.36
DIL05	SW09 (0-51)	575282	10.59	676570	16.19	755961	19.36
DIL06	SB01 (51)	540858	10.57	668564	16.16	786581	19.33
07	SB02 (40)	570407	10.58	669762	16.18	828366	19.36
08	SB03 (51)	561553	10.56	684869	16.15	813730	19.32
09	SB04 (51)	552990	10.56	801099	16.16	965842*	19.34
10	SB05 (72)	528084	10.58	684581	16.18	847947	19.36
11	SB06 (57)	570925	10.58	850062	16.18	975343*	19.36
12	SB07 (62)	526720	10.57	801775	16.17	906449	19.35
13	SD02 (75)	515582	10.56	665910	16.15	835757	19.32
14	SW10 (40-70)	489123	10.58	655459	16.18	742887	19.35
15	SW02 (0-51)	530674	10.56	673919	16.16	811804	19.33
16	SW11	471867	10.56	599880	16.15	734972	19.32
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH Contract:

Lab Code: Case No.: SAS No.: SDG No.: C4G100151

Lab File ID (Standard): F07150C1 Date Analyzed: 07/15/04

Instrument ID: 722 Time Analyzed: 0723

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	156354	5.16	596622	6.40	334282	8.30
	UPPER LIMIT	312708	5.66	1193244	6.90	668564	8.80
	LOWER LIMIT	78177	4.66	298311	5.90	167141	7.80
	CLIENT SAMPLE NO.						
MSD 01	SW01 (0-51)	154720	5.16	628671	6.40	355947	8.30
02	SD01 (30)	152009	5.15	595778	6.39	325516	8.28
DIL 03	SW04 (0-62)	168340	5.16	673116	6.40	371703	8.30
DIL 04	SW06 (40-90)	148738	5.16	580634	6.41	327315	8.30
DIL 05	SW09 (0-51)	161242	5.16	643971	6.41	370826	8.30
DIL 06	SB01 (51)	151103	5.15	594995	6.39	337997	8.28
07	SB02 (40)	163811	5.16	645358	6.40	367795	8.30
08	SB03 (51)	161540	5.15	639746	6.39	364331	8.28
09	SB04 (51)	161612	5.15	610048	6.39	341605	8.28
10	SB05 (72)	149498	5.16	579687	6.40	332758	8.30
11	SB06 (57)	158858	5.16	617917	6.40	351759	8.29
12	SB07 (62)	148514	5.16	569877	6.40	320852	8.29
13	SD02 (75)	152065	5.15	566146	6.39	315753	8.29
14	SW10 (40-70)	153211	5.16	721414	6.41	305211	8.29
15	SW02 (0-51)	148720	5.15	583951	6.39	342028	8.28
16	SW11	137906	5.15	514173	6.39	284529	8.28
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII SV

CASE NARRATIVE
RETEC
Peekskill

STL Lot #: C4G130168

Sample Receiving:
STL Pittsburgh received a sample on July 13, 2003. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report and batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:
There were no problems associated with the analysis.

GC/MS Semivolatiles:
Sample SW12 was analyzed at a dilution due to the sample matrix.

General Chemistry:
There were no problems associated with the analysis.

METHODS SUMMARY

C4G130168

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3541
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C4G130168

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GKX54	001	SW12	07/09/04	08:25

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL Pittsburgh

Chain of Custody Record

№ 017

The RETEC Group, Inc.
2550 Elsenhower Avenue • Eagleville, PA 19403-2331
(610) 650-8770 Phone • (610) 650-9001 Fax
www.retec.com

RETEC

Project Name: Central Ave Peekskill	Project Number: CECAS-16588-300
Send Report To: Bruce Coulombe	Sampler (Print Name): Sean McMinn
Address: The RETEC Group 300 Baker Ave STE 302 Concord, MA 01742	Sampler (Print Name): Renee Knight
Phone (978) 371-1422	Shipment Method: FedEx
Fax: -1448	Airbill Number:
	Laboratory Receiving: STL-Pitts

Page ____ of ____

Purchase Order #: _____

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Analysis Requested: VOCs	Analysis Requested: SVOCs	Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)
SW12	7/9/04	0825	S	3	X	X		

Relinquished by: (Signature)	Received by: (Signature)	Date: 7/12/04	Time: pm
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Patrick Daust	Date: 7/13	Time: 0930

Sample Custodian Remarks (Completed By Laboratory):

QA/QC Level	Turnaround	Sample Receipt	
Level I ☐	Routine ☐	Total # Containers Received?	
Level II ☐	24 Hour ☐	COC Seals Present?	
Level III ☐	1 Week ☐	COC Seals Intact?	
Other ☐	Other _____	Received Containers Intact?	
		Temperature?	

White: Lab Copy Yellow: PM Copy Pink: Field Copy Gold: PM/QA/QC Copy

(1-38)

Cooler Receipt Form
STL Pittsburgh

Client: Thermoretec Project: _____ Quote: 53771

Cooler Rec'd & Opened for Temp. Check on: 7/13/04

Coolers Opened and Unpacked on: 7/13/04 By: PRF (Signature)

STL Pittsburgh Lot Number: C4G130168

		Yes	No
1.	Were custody seals on the outside of the cooler?		
	If YES, how many and where? Quantity 1 Location front		
	Were signatures and date correct?		
2.	Were custody papers included inside the cooler?		
3.	Were custody papers properly filled out (ink, signed, match labels)?		
4.	Did you sign the custody papers in the appropriate place?		
5.	Was shippers packing slip attached to this form?		
6.	Were packing materials used?		
	If YES, what type? Bubble Wrap		
7.	Were the samples chilled? (Record temperatures on reverse side.)		
8.	Were the samples appropriately preserved?	N/A	
9.	Were all bottles sealed in separate plastic bags?		
10.	Did all bottles arrive in good condition (unbroken)?		
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?		
12.	Did all bottle labels and/or tags agree with custody papers?		
13.	Were correct bottles used for tests indicated?		
14.	Were all VOA vials checked for the presence of air bubbles?	N/A	
15.	Was a sufficient amount of sample sent in each bottle?		

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER AIRBORNE

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 16-JUL-2004 08:52
Lab File ID: 1C30716K.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071604d.b\8260bsoil.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	39 Dibromofluoromethane	0.23014	0.23384	0.010	1.6	25.0	
$	43 1,2-Dichloroethane-d4	0.26690	0.22324	0.010	-16.4	25.0	
$	59 Toluene-d8	4.39734	4.58411	0.010	4.2	25.0	
$	80 Bromofluorobenzene	1.68739	1.66108	0.010	-1.6	25.0	
	1 Dichlorodifluoromethane	0.30219	0.28451	0.010	-5.9	25.0	
	2 Chloromethane	0.40223	0.39208	0.100	-2.5	25.0	
	3 Vinyl Chloride	0.35739	0.35181	0.010	-1.6	20.0	
	4 Bromomethane	0.05600	0.06475	0.010	15.6	25.0	
	5 Chloroethane	0.05409	0.04930	0.010	-8.9	25.0	
	6 Trichlorofluoromethane	0.23365	0.40033	0.010	71.3	25.0	<-
	10 1,1,2-trichloro-1,2,2-trifl	0.20783	0.23899	0.010	15.0	25.0	
	12 1,1-Dichloroethene	0.20840	0.24722	0.010	18.6	20.0	
	15 Carbon Disulfide	0.74194	0.83545	0.010	12.6	25.0	
	13 Acetone	0.16805	0.10575	0.010	-37.1	25.0	<-
	18 Methylene Chloride	0.25232	0.25384	0.010	0.6	25.0	
	19 trans-1,2-Dichloroethene	0.27411	0.27931	0.010	1.9	25.0	
	20 Methyl tert-butyl ether	0.44235	0.33625	0.010	-24.0	25.0	
	24 1,1-Dichloroethane	0.48994	0.47853	0.100	-2.3	25.0	
	27 2,2-Dichloropropane	0.27869	0.32126	0.010	15.3	25.0	
	28 cis-1,2-dichloroethene	0.27841	0.28117	0.010	1.0	25.0	
M	29 1,2-Dichloroethene (total)	0.27626	0.28024	0.010	1.4	25.0	
	30 Bromochloromethane	0.12014	0.11210	0.010	-6.7	25.0	
	31 2-Butanone	0.20610	0.13898	0.010	-32.6	25.0	<-
	37 Chloroform	0.46604	0.45596	0.010	-2.2	20.0	
	38 1,1,1-Trichloroethane	0.37859	0.39475	0.010	4.3	25.0	
	40 1,1-Dichloropropene	0.36618	0.36692	0.010	0.2	25.0	
	41 Carbon Tetrachloride	0.33981	0.36849	0.010	8.4	25.0	
	42 Benzene	1.10985	1.15893	0.010	4.4	25.0	
	45 1,2-Dichloroethane	0.33197	0.27883	0.010	-16.0	25.0	
	47 Trichloroethene	0.27198	0.26352	0.010	-3.1	25.0	
	49 1,2-Dichloropropane	0.27573	0.27250	0.010	-1.2	20.0	
	50 Dibromomethane	0.14094	0.11525	0.010	-18.2	25.0	
	53 Bromodichloromethane	0.32626	0.29593	0.010	-9.3	25.0	
	57 cis-1,3-Dichloropropene	0.36998	0.33943	0.010	-8.3	25.0	
	58 4-Methyl-2-Pentanone	1.17802	0.99550	0.010	-15.5	25.0	

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 16-JUL-2004 08:52
Lab File ID: 1C30716K.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071604d.b\8260bsoil.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	60 Toluene	5.44602	5.87718	0.010	7.9	20.0	
	61 trans-1,3-Dichloropropene	1.43959	1.28765	0.010	-10.6	25.0	
	63 1,3-Dichloropropane	1.74341	1.42773	0.010	-18.1	25.0	
	64 1,1,2-Trichloroethane	0.95125	0.79665	0.010	-16.3	25.0	
	65 Tetrachloroethene	0.92517	0.97261	0.010	5.1	25.0	
	66 2-Hexanone	1.01131	0.72528	0.010	-28.3	25.0	<-
	67 Dibromochloromethane	1.07158	0.96479	0.010	-10.0	25.0	
	68 1,2-Dibromoethane	0.92778	0.72792	0.010	-21.5	25.0	
	70 Chlorobenzene	3.34758	3.58243	0.300	7.0	25.0	
	71 1,1,1,2-Tetrachloroethane	1.11980	1.13915	0.010	1.7	25.0	
	72 Ethylbenzene	1.87476	2.06288	0.010	10.0	20.0	
	73 m + p-Xylene	2.29832	2.62694	0.010	14.3	25.0	
	74 Xylene-o	2.13273	2.35519	0.010	10.4	25.0	
M	75 Xylenes (total)	2.24312	2.53636	0.010	13.1	25.0	
	76 Styrene	3.54772	4.01380	0.010	13.1	25.0	
	77 Bromoform	0.64266	0.48849	0.100	-24.0	25.0	
	78 Isopropylbenzene	5.73065	6.28186	0.010	9.6	25.0	
	79 Bromobenzene	0.83118	0.75326	0.010	-9.4	25.0	
	81 n-Propylbenzene	1.06869	1.08637	0.010	1.7	25.0	
	82 2-Chlorotoluene	0.89837	0.89632	0.010	-0.2	25.0	
	83 1,1,2,2-Tetrachloroethane	1.29569	0.95896	0.300	-26.0	25.0	<-
	84 1,2,3-Trichloropropane	0.25641	0.15894	0.010	-38.0	25.0	<-
	85 4-Chlorotoluene	0.90596	0.94409	0.010	4.2	25.0	
	86 1,3,5-Trimethylbenzene	3.16839	3.15402	0.010	-0.5	25.0	
	87 tert-Butylbenzene	2.67538	2.71688	0.010	1.6	25.0	
	88 1,2,4-Trimethylbenzene	3.18503	3.17211	0.010	-0.4	25.0	
	89 sec-Butylbenzene	4.26315	4.38847	0.010	2.9	25.0	
	90 4-Isopropyltoluene	3.43229	3.60274	0.010	5.0	25.0	
	91 1,3-Dichlorobenzene	1.67798	1.63651	0.010	-2.5	25.0	
	93 1,4-Dichlorobenzene	1.71258	1.68211	0.010	-1.8	25.0	
	94 n-Butylbenzene	3.37819	3.44439	0.010	2.0	25.0	
	95 1,2-Dichlorobenzene	1.50160	1.43729	0.010	-4.3	25.0	
	96 1,2-Dibromo-3-chloropropane	0.15538	0.13820	0.010	-11.1	25.0	
	97 1,2,4-Trichlorobenzene	0.90674	0.71655	0.010	-21.0	25.0	
	98 Hexachlorobutadiene	0.44842	0.42912	0.010	-4.3	25.0	
	99 Naphthalene	2.01874	1.23746	0.010	-38.7	25.0	<-

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp3.i Injection Date: 16-JUL-2004 08:52
Lab File ID: 1C30716K.D Init. Cal. Date(s): 03-MAR-2004 01-APR-2004
Analysis Type: SOIL Init. Cal. Times: 13:25 15:33
Lab Sample ID: vstd50 Quant Type: ISTD
Method: \\qpitpa02\d\chem\hp3.i\3071604d.b\8260bsoil.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
100 1,2,3-Trichlorobenzene	0.82675	0.62955	0.010	-23.9	25.0	
156 Methyl Acetate	0.19294	0.10168	0.010	-47.3	25.0	<-
157 Cyclohexane	0.52092	0.50790	0.010	-2.5	25.0	
158 Methyl Cyclohexane	0.50862	0.53867	0.010	5.9	25.0	

Environmental Testing Laboratories (ETL)

Laboratory Report

Note: ETL sample SB-08 is incorrectly labeled. Sample SB-08 is from IRM sample location SD-01.

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/15/2004

Custody Document: S4911

Received: 07/13/2004 15:32

Client: Con Edison-Accounts Payable (18200)

PO Box 799, Cooper Station
New York,
NY 10276

04-05465

Project: Con Ed

Area: Peekskill MGP

Manager: Jocelyne Sauer

Respectfully submitted,

Patricia Werner-Els
Quality Assurance Officer

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
NH Cert. # 252592-BA
RI Cert. # 161

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

Modified 8100/Petroleum Products

07/15/2004

Sample: S4911-1 – SD-1
Client Sample ID: 04-05465-001
Matrix: Soil
Remarks:
Analyzed Date: 07/14/2004
Preparation Date(s) : 07/14/2004

Type: Grab

Collected: 07/08/2004 15:25
% Solid: 87.8%

Analytical Results

Cas No	Analyte	File ID	PQL	Concentration*	Units	Q
	Gasoline	C 638 -7	11.4	11.4	ppm	U
	Lubricating Oils	C 638 -7	11.4	11.4	ppm	U
	Kerosene/Jet Fuel	C 638 -7	11.4	11.4	ppm	U
	#2 Fuel Oil/Diesel	C 638 -7	11.4	11.4	ppm	U
	#4 Fuel Oil	C 638 -7	11.4	11.4	ppm	U
	#6 Fuel Oil	C 638 -7	11.4	11.4	ppm	U
	THC By Mod 8100	C 638 -7	2.05	391	ppm	

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
84-15-1	O-TERPHENYL	C638-7	91.5 %	(30 - 150)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

Modified 8100/Petroleum Products

07/15/2004

Sample: S4911-2 – SR-1
Client Sample ID: 04-05465-002
Matrix: Sludge
Remarks:
Analyzed Date: 07/14/2004
Preparation Date(s) : 07/14/2004

Type: Grab

Collected: 07/07/2004 10:51
% Solid: 85.2%

Analytical Results

Cas No	Analyte	File ID	PQL	Concentration*	Units	Q
	Gasoline	C 638 -8	2930	2930	ppm	U
	Lubricating Oils	C 638 -8	2930	2930	ppm	U
	Kerosene/Jet Fuel	C 638 -8	2930	2930	ppm	U
	#2 Fuel Oil/Diesel	C 638 -8	2930	2930	ppm	U
	#4 Fuel Oil	C 638 -8	2930	2930	ppm	U
	#6 Fuel Oil	C 638 -8	2930	2930	ppm	U
	THC By Mod 8100	C 638 -8	528	175000	ppm	

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
84-15-1	O-TERPHENYL	C638-8	.0 %	(30 - 150)	D

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

Modified 8100/Petroleum Products

07/15/2004

Sample: S4911-3 SD-2
Client Sample ID: 04-05465-003
Matrix: Soil
Remarks:
Analyzed Date: 07/14/2004
Preparation Date(s) : 07/14/2004

Type: Grab

Collected: 07/08/2004 15:00
% Solid: 86.3%

Analytical Results

Cas No	Analyte	File ID	PQL	Concentration*	Units	Q
	Gasoline	C 638 -9	11.6	11.6	ppm	U
	Lubricating Oils	C 638 -9	11.6	11.6	ppm	U
	Kerosene/Jet Fuel	C 638 -9	11.6	11.6	ppm	U
	#2 Fuel Oil/Diesel	C 638 -9	11.6	11.6	ppm	U
	#4 Fuel Oil	C 638 -9	11.6	11.6	ppm	U
	#6 Fuel Oil	C 638 -9	11.6	11.6	ppm	U
	THC By Mod 8100	C 638 -9	2.09	303	ppm	

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
84-15-1	O-TERPHENYL	C638-9	90.4 %	(30 - 150)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

Dielectric Fluid Compounds-Method 8100

07/15/2004

Sample: S4911-1 SD-1
Client Sample ID: 04-05465-001
Matrix: Soil
Remarks:
Analyzed Date: 07/14/2004
Preparation Date(s) : 07/14/2004

Type: Grab

Collected: 07/08/2004 15:25
% Solid: 87.8%

Analytical Results

Cas No	Analyte	File ID	PQL	Concentration*	Units	Q
	Chevron 100	C 638 -7	11.4	11.4	ppm	U
	Chevron 500	C 638 -7	11.4	11.4	ppm	U
	Silicon Base TR	C 638 -7	11.4	11.4	ppm	U
	Low Vis. Cable	C 638 -7	11.4	11.4	ppm	U
	Sun#2 Base TR.O	C 638 -7	11.4	11.4	ppm	U
	Sun#4 Cable Oil	C 638 -7	11.4	11.4	ppm	U
	Sun#6 Cable Oil	C 638 -7	11.4	11.4	ppm	U
	Sun#8 II Base T	C 638 -7	11.4	11.4	ppm	U
	10C Transformer	C 638 -7	11.4	11.4	ppm	U
	Sun C/DCL 100	C 638 -7	11.4	11.4	ppm	U
	LVP STD	C 638 -7	11.4	11.4	ppm	U
	Feeder 51	C 638 -7	11.4	11.4	ppm	U
	Feeder 28242	C 638 -7	11.4	11.4	ppm	U
	Feeder 38M35	C 638 -7	11.4	11.4	ppm	U
	Feeder 69M41	C 638 -7	11.4	11.4	ppm	U
	Feeder 18002	C 638 -7	11.4	11.4	ppm	U
	High Viscosity Polycable	C 638 -7	11.4	11.4	ppm	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
84-15-1	O-TERPHENYL	C638-7	91.5 %	(30 - 150)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

Dielectric Fluid Compounds-Method 8100

07/15/2004

Sample: S4911-2 SR-1
Client Sample ID: 04-05465-002
Matrix: Sludge
Remarks:
Analyzed Date: 07/14/2004
Preparation Date(s) : 07/14/2004

Type: Grab

Collected: 07/07/2004 10:51
% Solid: 85.2%

Analytical Results

Cas No	Analyte	File ID	PQL	Concentration*	Units	Q
	Chevron 100	C 638 -8	2930	2930	ppm	U
	Chevron 500	C 638 -8	2930	2930	ppm	U
	Silicon Base TR	C 638 -8	2930	2930	ppm	U
	Low Vis. Cable	C 638 -8	2930	2930	ppm	U
	Sun#2 Base TR.O	C 638 -8	2930	2930	ppm	U
	Sun#4 Cable Oil	C 638 -8	2930	2930	ppm	U
	Sun#6 Cable Oil	C 638 -8	2930	2930	ppm	U
	Sun#8 II Base T	C 638 -8	2930	2930	ppm	U
	10C Transformer	C 638 -8	2930	2930	ppm	U
	Sun C/DCL 100	C 638 -8	2930	2930	ppm	U
	LVP STD	C 638 -8	2930	2930	ppm	U
	Feeder 51	C 638 -8	2930	2930	ppm	U
	Feeder 28242	C 638 -8	2930	2930	ppm	U
	Feeder 38M35	C 638 -8	2930	2930	ppm	U
	Feeder 69M41	C 638 -8	2930	2930	ppm	U
	Feeder 18002	C 638 -8	2930	2930	ppm	U
	High Viscosity Polycable	C 638 -8	2930	2930	ppm	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
84-15-1	O-TERPHENYL	C638-8	.0 %	(30 - 150)	D

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

Dielectric Fluid Compounds-Method 8100

07/15/2004

Sample: S4911-3 SD-2
Client Sample ID: 04-05465-003
Matrix: Soil
Remarks:
Analyzed Date: 07/14/2004
Preparation Date(s) : 07/14/2004

Type: Grab

Collected: 07/08/2004 15:00
% Solid: 86.3%

Analytical Results

Cas No	Analyte	File ID	PQL	Concentration*	Units	Q
	Chevron 100	C 638 -9	11.6	11.6	ppm	U
	Chevron 500	C 638 -9	11.6	11.6	ppm	U
	Silicon Base TR	C 638 -9	11.6	11.6	ppm	U
	Low Vis. Cable	C 638 -9	11.6	11.6	ppm	U
	Sun#2 Base TR.O	C 638 -9	11.6	11.6	ppm	U
	Sun#4 Cable Oil	C 638 -9	11.6	11.6	ppm	U
	Sun#6 Cable Oil	C 638 -9	11.6	11.6	ppm	U
	Sun#8 II Base T	C 638 -9	11.6	11.6	ppm	U
	10C Transformer	C 638 -9	11.6	11.6	ppm	U
	Sun C/DCL 100	C 638 -9	11.6	11.6	ppm	U
	LVP STD	C 638 -9	11.6	11.6	ppm	U
	Feeder 51	C 638 -9	11.6	11.6	ppm	U
	Feeder 28242	C 638 -9	11.6	11.6	ppm	U
	Feeder 38M35	C 638 -9	11.6	11.6	ppm	U
	Feeder 69M41	C 638 -9	11.6	11.6	ppm	U
	Feeder 18002	C 638 -9	11.6	11.6	ppm	U
	High Viscosity Polycable	C 638 -9	11.6	11.6	ppm	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
84-15-1	O-TERPHENYL	C638-9	90.4 %	(30 - 150)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

Case Narrative **07/15/2004**

8100PET/ DIEFLUID:

Sample #2 no surrogate added, due to the nature of sample(TAR).

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

ORGANIC METHOD QUALIFIERS

07/15/2004

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).

Y - Indicates an estimated value. The concentration reported was detected below the lowest calibration standard concentration.

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

x - Outside Expected Range

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

12/21/2004

Lab Sequence Number: 04-05465-001
E2 Incident Number:
Chain of Custody ID: DD20247

Date Approved: 7/16/2004
Date Received: 7/13/2004
Date Sampled: 7/08/2004

Submitter: NEIL O'HALLORAN
Job Site: PEEKSKILL MGP
Email To: O'HALLORANN@coned.com|EA-ChemLabReports|BX-WEST-LAB RESULTS|
Cc To: LOUIEE@coned.com|

NOTE: The Submitter shall post and/or provide these results to all employees working with or in the vicinity of this substance. This report shall not be reproduced, except in full, without the written consent of EH&S. Test results are representative only of submitted samples.

Results of Analysis

MATRIX: SOIL GRAB
DESCRIPTION: ~~SB-08~~ SD-1
LOCATION: PEEKSKILL MGP

TEST DESCRIPTION	RESULT	UNIT	METHOD
TPH - Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)			
DiChevrol Fluid 100 Cable Oil	< 11.4	ppm	Modified Method 8100
DiChevrol Fluid 500 Cable Oil	< 11.4	ppm	Modified Method 8100
Silicone Base Transformer Oil	< 11.4	ppm	Modified Method 8100
High Visc. Polybutene Cable Oil	< 11.4	ppm	Modified Method 8100
Low Visc. Polybutene Cable Oil	< 11.4	ppm	Modified Method 8100
Sun #2 Base Transformer Oil	< 11.4	ppm	Modified Method 8100
Sun #4 Cable Oil	< 11.4	ppm	Modified Method 8100
Sun #6 Cable Oil	< 11.4	ppm	Modified Method 8100
Sun #8 II Base Transformer Oil	< 11.4	ppm	Modified Method 8100
Petroleum Base Transformer Oil	< 11.4	ppm	Modified Method 8100
Gasoline	< 11.4	ppm	Modified Method 8100
Lubricating Oils	< 11.4	ppm	Modified 8100
#2 Fuel Oil/Diesel	< 11.4	ppm	Modified 8100
#4 Fuel Oil	< 11.4	ppm	Modified 8100
#6 Fuel Oil	< 11.4	ppm	Modified 8100
THC by Method 8100 (Modified)	391	ppm	Modified 8100
Feeder 28242 Oil	< 11.4	ppm	Modified Method 8100
Feeder 38m35 Oil	< 11.4	ppm	Modified Method 8100
Kerosene/Jet Fuel	< 11.4	ppm	Modified 8100
LVP STD	< 11.4	ppm	Modified Method 8100
Sun C/DCL 100	< 11.4	ppm	Modified Method 8100
Feeder 51 Oil	< 11.4	ppm	Modified Method 8100
Feeder 69M41 Oil	< 11.4	ppm	Modified Method 8100
Feeder 18002 Oil	< 11.4	ppm	Modified Method 8100
% Solids	87.8	%	SM 2540B

Analyzed by: ENVIRONMENTAL TESTING LABS, INC.

ppm = mg/L = mg/Kg
ppb = ug/L = ug/Kg
ppt = ng/L = ng/Kg

Approval Status: APPROVED
Approved By: Robert Schiavone
Title: Specialist

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

12/21/2004

Lab Sequence Number: 04-05465-002
E2 Incident Number:
Chain of Custody ID: DD20247

Date Approved: 7/16/2004
Date Received: 7/13/2004
Date Sampled: 7/07/2004

Submitter: NEIL O'HALLORAN
Job Site: PEEKSKILL MGP
Email To: O'HALLORANN@coned.com|EA-ChemLabReports|BX-WEST-LAB RESULTS|
Cc To: LOUIEE@coned.com|

NOTE: The Submitter shall post and/or provide these results to all employees working with or in the vicinity of this substance. This report shall not be reproduced, except in full, without the written consent of EH&S. Test results are representative only of submitted samples.

Results of Analysis

MATRIX: SOIL GRAB
DESCRIPTION: SR-1
LOCATION: PEEKSKILL MGP

TEST DESCRIPTION	RESULT	UNIT	METHOD
TPH - Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)			
DiChevrol Fluid 100 Cable Oil	< 2930	ppm	Modified Method 8100
DiChevrol Fluid 500 Cable Oil	< 2930	ppm	Modified Method 8100
Silicone Base Transformer Oil	< 2930	ppm	Modified Method 8100
High Visc. Polybutene Cable Oil	< 2930	ppm	Modified Method 8100
Low Visc. Polybutene Cable Oil	< 2930	ppm	Modified Method 8100
Sun #2 Base Transformer Oil	< 2930	ppm	Modified Method 8100
Sun #4 Cable Oil	< 2930	ppm	Modified Method 8100
Sun #6 Cable Oil	< 2930	ppm	Modified Method 8100
Sun #8 II Base Transformer Oil	< 2930	ppm	Modified Method 8100
Petroleum Base Transformer Oil	< 2930	ppm	Modified Method 8100
Gasoline	< 2930	ppm	Modified Method 8100
Lubricating Oils	< 2930	ppm	Modified 8100
#2 Fuel Oil/Diesel	< 2930	ppm	Modified 8100
#4 Fuel Oil	< 2930	ppm	Modified 8100
#6 Fuel Oil	< 2930	ppm	Modified 8100
THC by Method 8100 (Modified)	175000	ppm	Modified 8100
Feeder 28242 Oil	< 2930	ppm	Modified Method 8100
Feeder 38m35 Oil	< 2930	ppm	Modified Method 8100
Kerosene/Jet Fuel	< 2930	ppm	Modified 8100
LVP STD	< 2930	ppm	Modified Method 8100
Sun C/DCL 100	< 2930	ppm	Modified Method 8100
Feeder 51 Oil	< 2930	ppm	Modified Method 8100
Feeder 69M41 Oil	< 2930	ppm	Modified Method 8100
Feeder 18002 Oil	< 2930	ppm	Modified Method 8100
% Solids	85.2	%	SM 2540B

Analyzed by: ENVIRONMENTAL TESTING LABS, INC.

ppm = mg/L = mg/Kg
ppb = ug/L = ug/Kg
ppt = ng/L = ng/Kg

Approval Status: APPROVED
Approved By: Robert Schiavone
Title: Specialist

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

12/21/2004

Lab Sequence Number: 04-05465-003
E2 Incident Number:
Chain of Custody ID: DD20247

Date Approved: 7/16/2004
Date Received: 7/13/2004
Date Sampled: 7/08/2004

Submitter: NEIL O'HALLORAN
Job Site: PEEKSKILL MGP
Email To: O'HALLORANN@coned.com|EA-ChemLabReports|BX-WEST-LAB RESULTS|
Cc To: LOUIEE@coned.com|

NOTE: The Submitter shall post and/or provide these results to all employees working with or in the vicinity of this substance. This report shall not be reproduced, except in full, without the written consent of EH&S. Test results are representative only of submitted samples.

Results of Analysis

MATRIX: SLUDGE GRAB
DESCRIPTION: SD-02
LOCATION: PEEKSKILL MGP

TEST DESCRIPTION	RESULT	UNIT	METHOD
TPH - Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)			
DiChevrol Fluid 100 Cable Oil	< 11.6	ppm	Modified Method 8100
DiChevrol Fluid 500 Cable Oil	< 11.6	ppm	Modified Method 8100
Silicone Base Transformer Oil	< 11.6	ppm	Modified Method 8100
High Visc. Polybutene Cable Oil	< 11.6	ppm	Modified Method 8100
Low Visc. Polybutene Cable Oil	< 11.6	ppm	Modified Method 8100
Sun #2 Base Transformer Oil	< 11.6	ppm	Modified Method 8100
Sun #4 Cable Oil	< 11.6	ppm	Modified Method 8100
Sun #6 Cable Oil	< 11.6	ppm	Modified Method 8100
Sun #8 II Base Transformer Oil	< 11.6	ppm	Modified Method 8100
Petroleum Base Transformer Oil	< 11.6	ppm	Modified Method 8100
Gasoline	< 11.6	ppm	Modified Method 8100
Lubricating Oils	< 11.6	ppm	Modified 8100
#2 Fuel Oil/Diesel	< 11.6	ppm	Modified 8100
#4 Fuel Oil	< 11.6	ppm	Modified 8100
#6 Fuel Oil	< 11.6	ppm	Modified 8100
THC by Method 8100 (Modified)	303	ppm	Modified 8100
Feeder 28242 Oil	< 11.6	ppm	Modified Method 8100
Feeder 38m35 Oil	< 11.6	ppm	Modified Method 8100
Kerosene/Jet Fuel	< 11.6	ppm	Modified 8100
LVP STD	< 11.6	ppm	Modified Method 8100
Sun C/DCL 100	< 11.6	ppm	Modified Method 8100
Feeder 51 Oil	< 11.6	ppm	Modified Method 8100
Feeder 69M41 Oil	< 11.6	ppm	Modified Method 8100
Feeder 18002 Oil	< 11.6	ppm	Modified Method 8100
% Solids	86.3	%	SM 2540B

Analyzed by: ENVIRONMENTAL TESTING LABS, INC.

ppm = mg/L = mg/Kg
ppb = ug/L = ug/Kg
ppt = ng/L = ng/Kg
--End of Report--

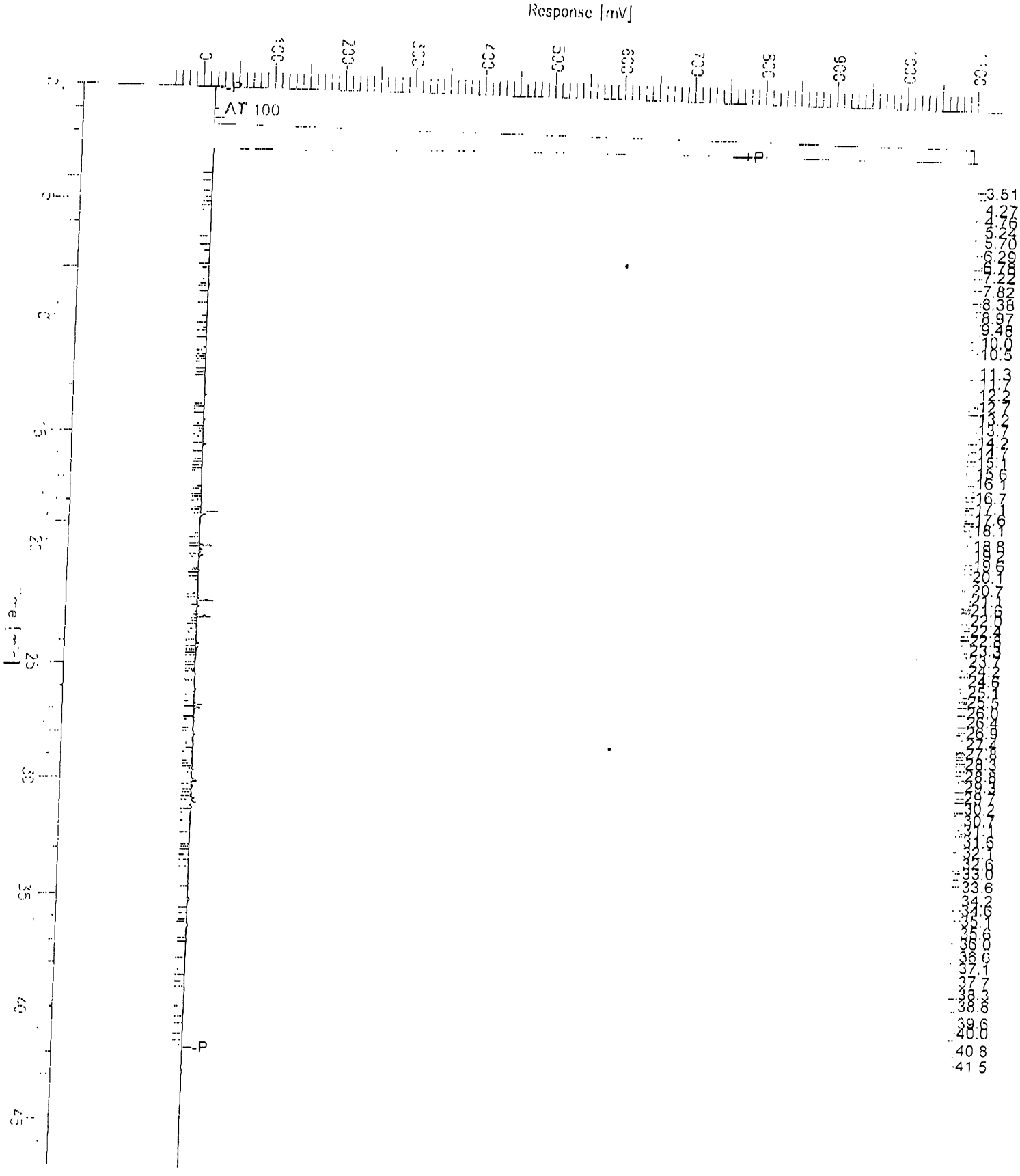
Approval Status: APPROVED
Approved By: Robert Schiavone
Title: Specialist
Results at: http://ilims

Chromatogram

SD-1

Sample Name : S4911-01
FileName : U:\NEWDATA\C\638\C_A_7.RAW
Method :
Start Time : 0.00 min
Scale Factor: 0.0
End Time : 47.00 min
Plot Offset: ~41 mV

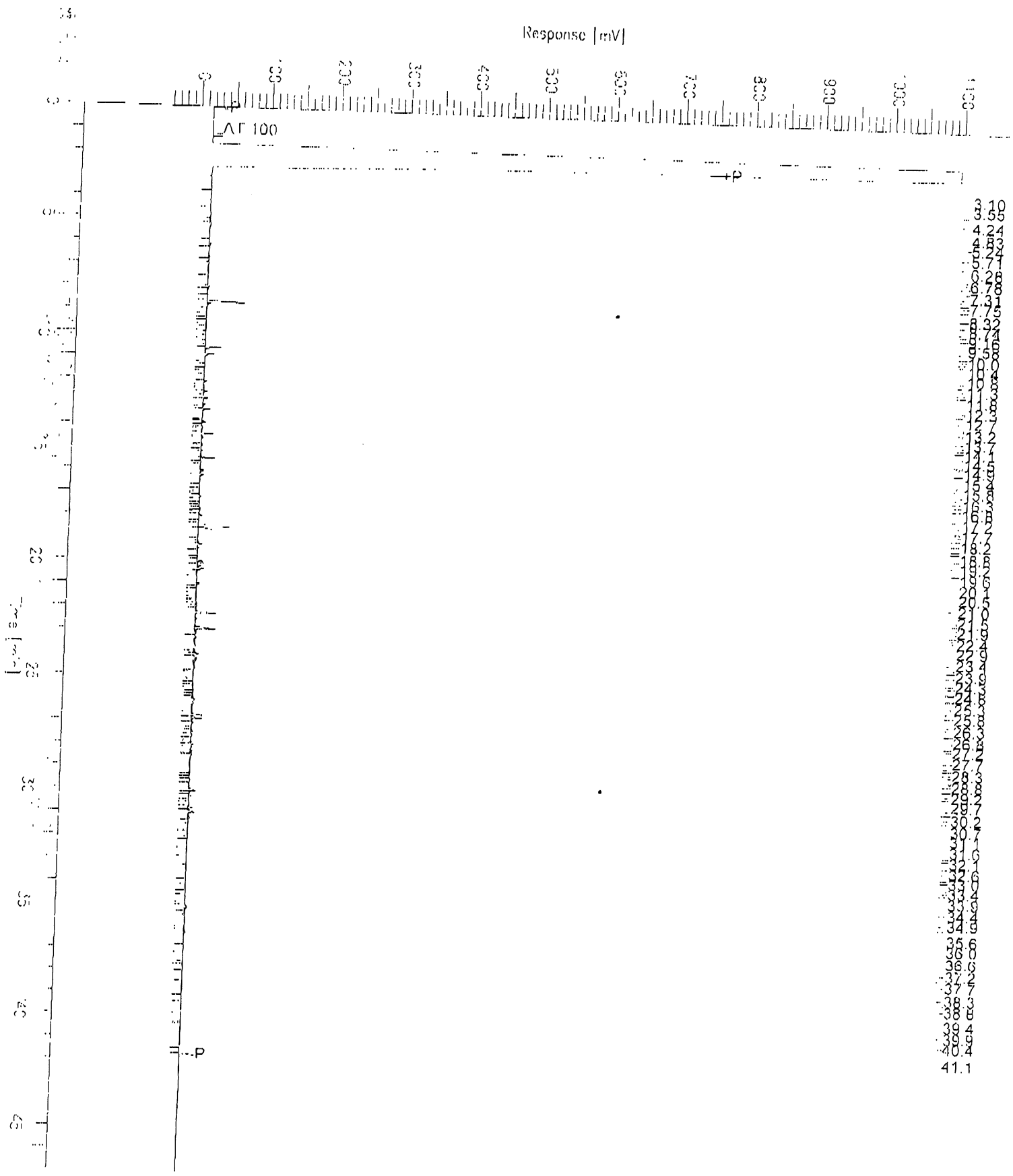
Sample #: 7
Date : 7/17/04 09:45 AM
Time of Injection: 7/14/04 08:28 PM
Low Point : ~40.96 mV
Plot Scale: 1142.9 mV
High Point : 1101.99 mV



Chromatogram

Sample Name : S4911-02 SR-1
FileName : U:\NEWDATA\C\630\C_A_0.RAW
Method :
Start Time : 0.00 min
Scale Factor: 0.0
End Time : 47.00 min
Plot Offset: -41 mV

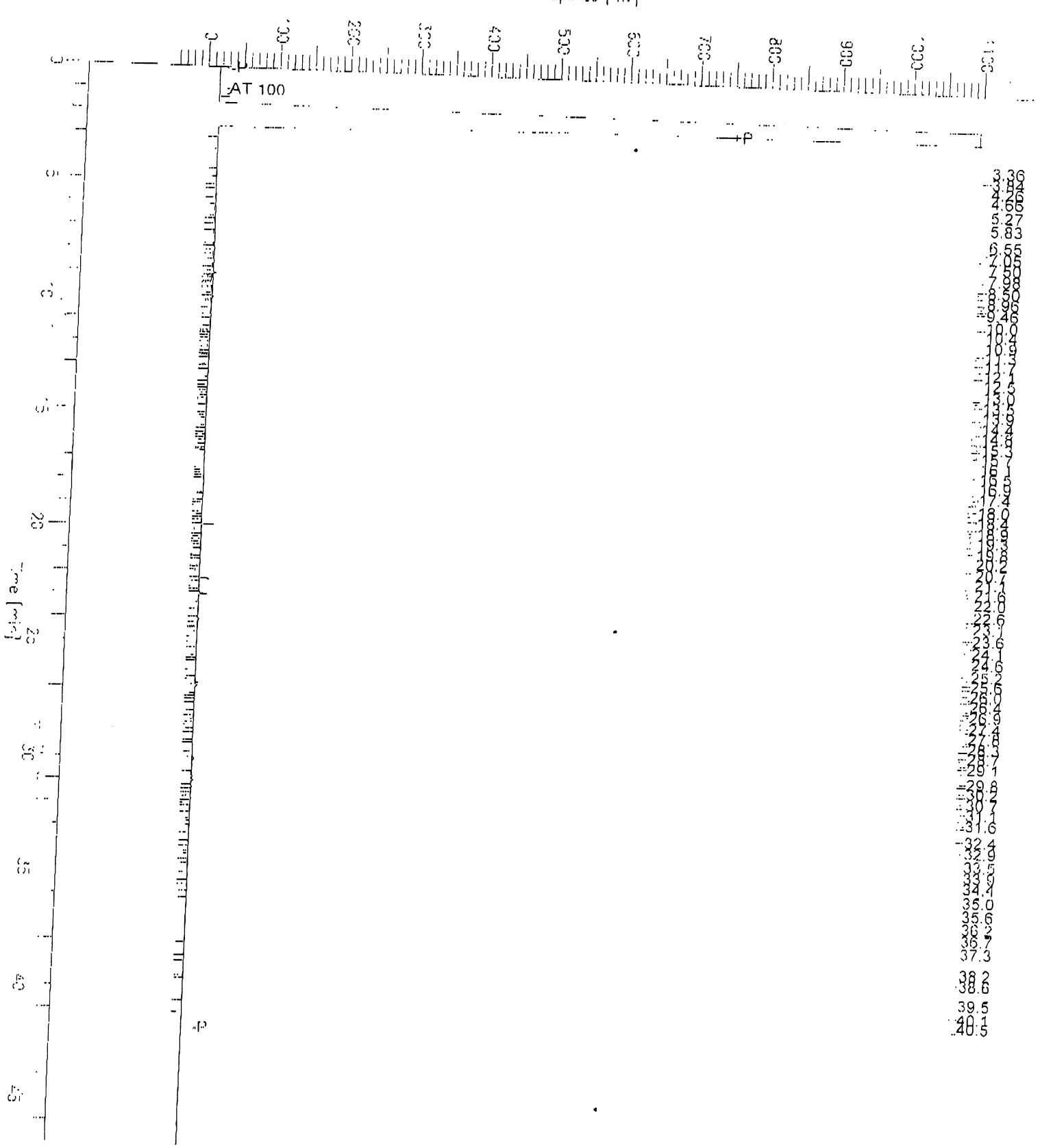
Sample #: 0
Date : 7/17/04 09:45 AM
Time of Injection: 7/14/04 09:24 PM
Low Point : -40.91 mV
Plot Scale: 1142.4 mV
High Point : 1101.46 mV



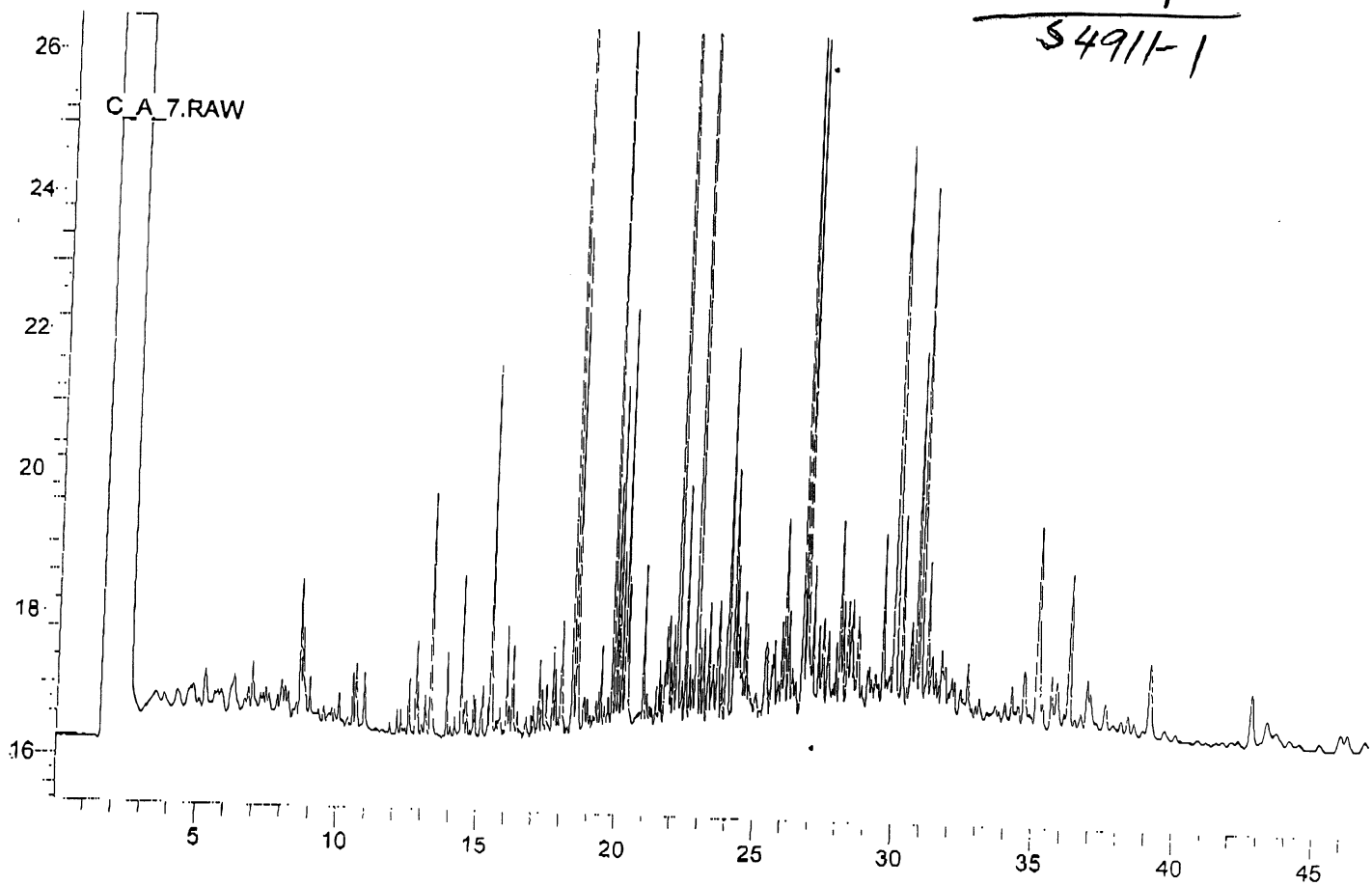
Chromatogram

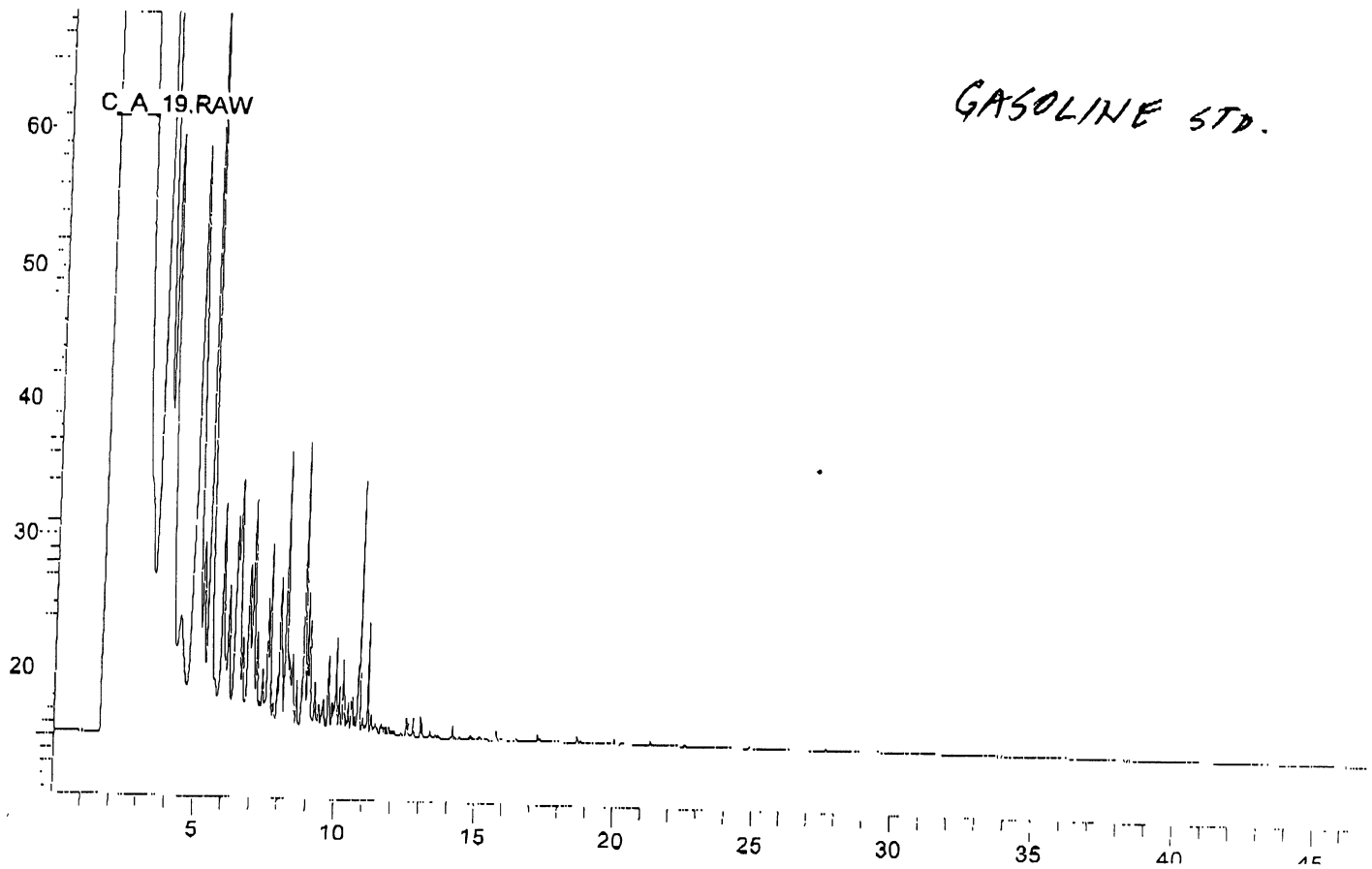
Sample Name : S4911-03 SD-2
FileName : U:\NEWDATA\C\638\C_A_9.RAW
Method :
Start Time : 0.00 min
Scale Factor: 0.0
End Time : 47.00 min
Plot Offset: -41 mV

Sample #: 9
Date : 7/17/04 09:45 AM
Time of Injection: 7/14/04 10:19 PM
Low Point : -40.91 mV
High Point : 1101.32 mV
Plot Scale: 1142.2 mV



SD-1
S4911-1





GASOLINE STD.

Software Version: 4.1<2F12>
Sample Name : S4911-02
Sample Number: 8
Operator : AMR

Time : 7/17/04 09:45 AM
Study : 8100PET

Instrument : INST_C
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 10000

Interface Serial # : 9270571453 Data Acquisition Time: 7/14/04 09:24 PM
Delay Time : 0.00 min.
End Time : 47.00 min.
Sampling Rate : 10.0000 pts/sec

Raw Data File : U:\NEWDATA\C\638\C_A_8.RAW
Result File : U:\NEWDATA\C\638\C_A_8.RST
Inst Method : u:\Nmethods\c\CA_DRO from U:\NEWDATA\C\638\C_A_8.RST
Proc Method : u:\Nmethods\c\CA_DRO from U:\NEWDATA\C\638\C_A_8.RST
Calib Method : u:\Nmethods\c\CA_DRO from U:\NEWDATA\C\638\C_A_8.RST
Sequence File : U:\NEWSEQ\C\638.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Sample Notes:
IV : 1.00 FV : 25.0 TS : 0.85

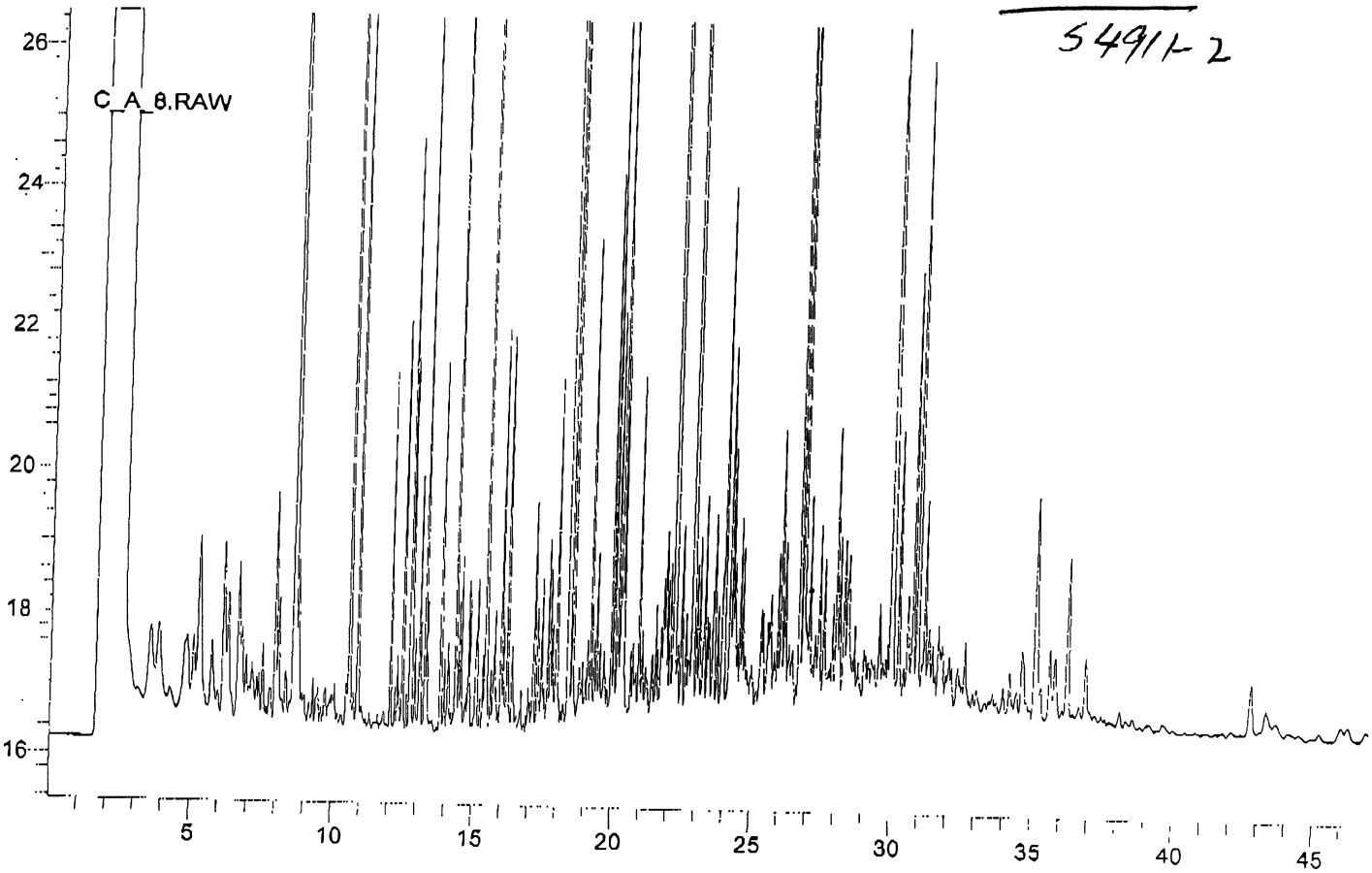
THC-MOD8100

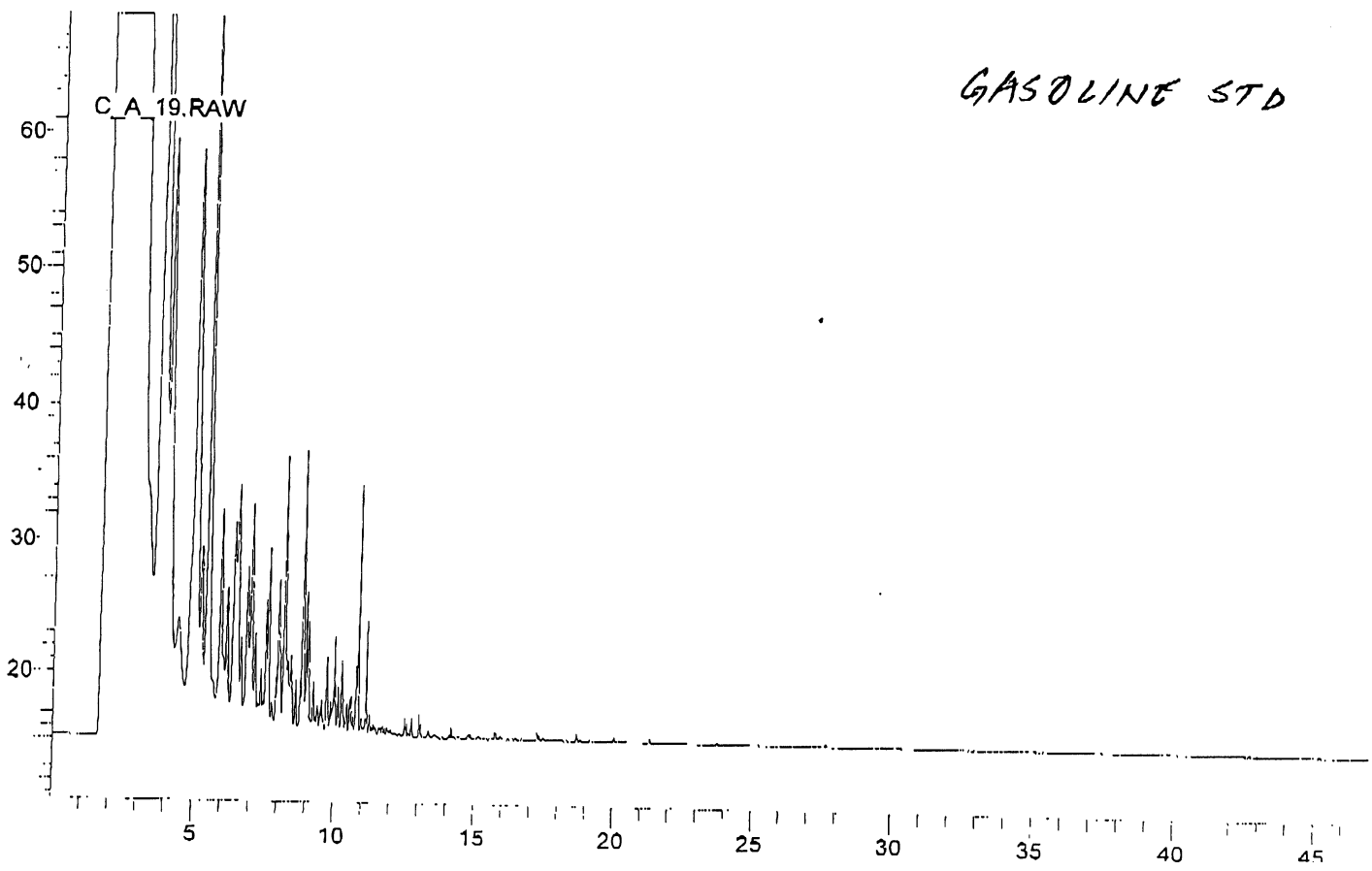
Peak #	Time [min]	Component Name	Raw Amount (ug/ml)	Area [uV·s]	Adjusted Amount ppm
22	22.000	THC-8100[174]	5956.6707	2807735.49	1.7478e+05
			5956.6707	2807735.49	1.7478e+05

Missing Component Report
Component Expected Retention (Calibration File)

All components were found

SR-1
5491L-2





GASOLINE STD

Software Version: 4.1<2F12>
Sample Name : S4911-03
Sample Number: 9
Operator : AMR

Time : 7/17/04 09:45 AM
Study : 8100PET

Instrument : INST_C
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 10000

Interface Serial # : 9270571453
Delay Time : 0.00 min.
End Time : 47.00 min.
Sampling Rate : 10.0000 pts/sec

Data Acquisition Time: 7/14/04 10:19 PM

Raw Data File : U:\NEWDATA\C\638\C_A_9.RAW
Result File : U:\NEWDATA\C\638\C_A_9.RST
Inst Method : u:\Nmethods\c\CA_DRO from U:\NEWDATA\C\638\C_A_9.RST
Proc Method : u:\Nmethods\c\CA_DRO from U:\NEWDATA\C\638\C_A_9.RST
Calib Method : u:\Nmethods\c\CA_DRO from U:\NEWDATA\C\638\C_A_9.RST
Sequence File : U:\NEWSEQ\C\638.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Sample Notes:
IV : 10.0 FV : 1.00 TS : 0.86

THC-MOD8100

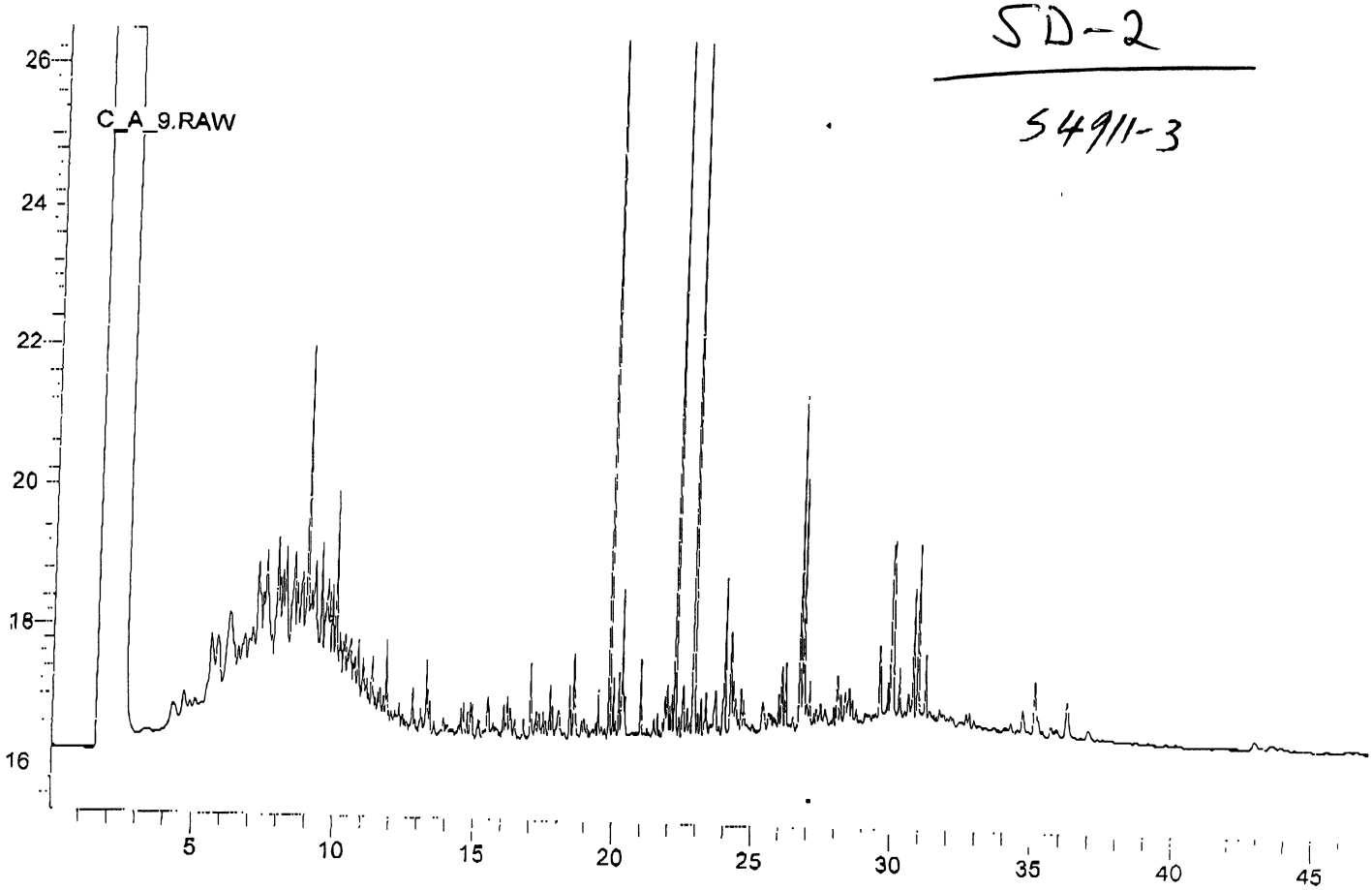
Peak #	Time [min]	Component Name	Raw Amount (ug/ml)	Area [µV·s]	Adjusted Amount ppm
1	22.000	THC-8100[174]	2613.9357	1232104.38	302.8894
			2613.9357	1232104.38	302.8894

Missing Component Report
Component Expected Retention (Calibration File)

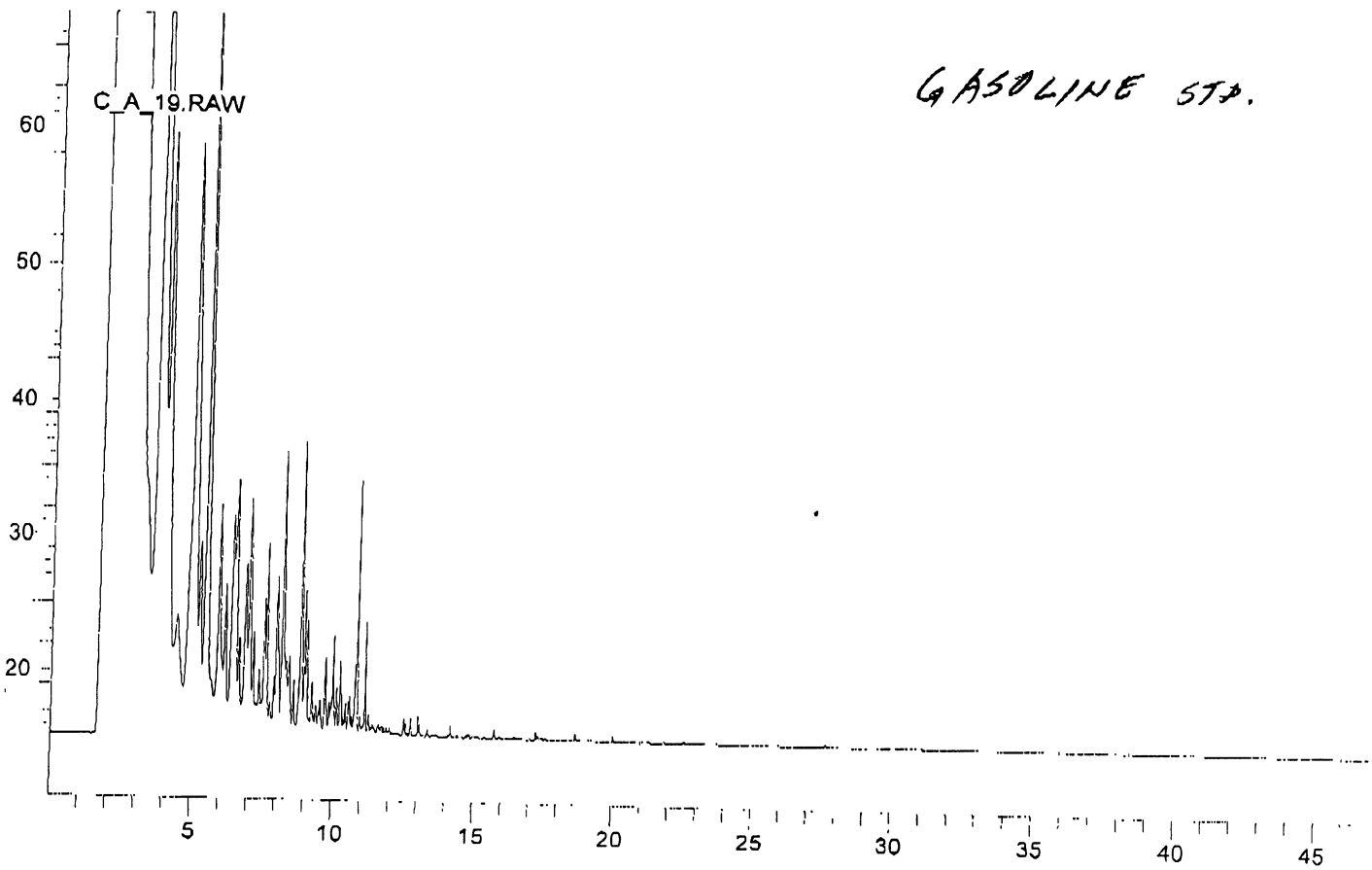
All components were found

SD-2

54911-3



GASOLINE STD.



EH&S ChemLab

Chain-of-Custody/Request for Analysis

NOTE: BLUE AREA MUST BE FILLED IN

Consolidated Edison (Bldg. 138)

31-01 20th Avenue, L.I.C., N.Y. 11105

Lab results via the Intranet @ http://q137llms/lims

Tel: (718) 204-4125
Fax: (718) 956-8058
Fax (Results Only): (718) 204-4138

(1)

LSN: (Lab Use Only) 04-05765
e² MIS Incident #:
Chain-of-Custody ID #: DD 20247

Job Site: Peekskill MGP
Organization: Remediation
Borough: MH ☐, BK ☐, QN ☐, BX ☐, WE ☐, SI ☐

Requested By: Neil O'Halloran
Emp.#: 00625
Telephone #: (718) 204-4145
Account #: 98867

E-mail Notification: o'halloranp@coned.com
Environmental Manager: E. Louie
Dept. 24-hr. Tel. #: ( )

Sampled By: ReTec / N. O'Halloran
Emp.#: /
Asbestos License #:
Customer's ID #:

(2)

Priority (Check One): ☐ E (within 8 hrs.) ☒ A (within 24 hrs.) ☒ B (within 7 days) or Date Required:

An 'E' or 'A' priority requires an e²MIS Incident # or an operational necessity justification:

Preservation Information:
Temp Blank: Yes No
Preserved with ICE
Comments:

Field pH:
Temp: °C
Meter #:

SAMPLE INFO

TYPE: G-Grab; C-Composite; B-Blank; D-Duplicate; S-Split; SP-Spike

MATRIX: BL-Bluestone; L-Liquid; S-Solid; O-Oil; W-Water; WO-Water & Oil; SO-Soil; SL-Sludge; WI-Wipe; A-Air; GC-Gas Cond

(5) Analysis (Test) required — include method number if applicable

Collected Date	Collected Time	(3) Sample Location / Description	Structure Type (SB, Vlt, MH, Pole) / Equip. Type	Structure ID / Equip. Serial No.	(4) Sample Matrix	(4) Sample Type	Total # of Tests (Analyses)	Total # of Containers	OIL ID	PCB	TCLP VOC	TCLP SVOC	TCLP METALS RCRA	TCLP HERBS PESTS	FULL TCLP TCLP BENZENE	TOTAL BENZENE	OIL & GREASE	BTEX	GAS. IN. OIL	TOTAL ORGANIC HALIDES (TOX)	TOTAL HALOGENS	DIELECTRIC	IGNITABILITY (FLASH POINT)	ASBESTOS	TSS	TPH - 2100	Important: If SPOES Sample, Check Box	e²MIS Sample ID # (Not Incident #)
7/08/04	1525	~~SB-08~~ SD-1 (RE)	Structure Type / Equip. Type	Structure ID / Equip. Serial No.	SO	G			X																X			
7/07/04	1051	SR-1	Structure Type / Equip. Type	Structure ID / Equip. Serial No.	SL	G			X																X			
7/08/04	1500	SD-02	Structure Type / Equip. Type	Structure ID / Equip. Serial No.	SO	G			X																X			
			Structure Type / Equip. Type	Structure ID / Equip. Serial No.																								
			Structure Type / Equip. Type	Structure ID / Equip. Serial No.																								
			Structure Type / Equip. Type	Structure ID / Equip. Serial No.																								
			Structure Type / Equip. Type	Structure ID / Equip. Serial No.																								

Comments / Special Instructions / Additional E-mail Notifications: (1) The Lab should retain all material for each sample that remains after testing is complete.

ETL

Relinquished by (Sampler): (Signature)	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time
Neil O'Halloran	7/12/04 1605		7/12/04 1605				
Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time	Relinquished by (Signature):	Date / Time	Received by (Signature):	Date / Time