



ORIGINAL

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
ENVIRONMENTAL SCIENCE CENTER
701 MAPES ROAD
FORT MEADE, MARYLAND 20755-5350



SDMS DocID 2060875

DATE : May 17, 2005
SUBJECT: Region III Data QA Review
FROM : Khin-Cho Thaung *FF Rev KCT*
Region III ESAT RPO (3EA20)
TO : Christian Matta
Regional Project Manager (3HS23)

Attached is the organic data validation report for the Big John Savage - Hoult Road Site (Case 34031; SDG#: C0011, C0162) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III EAID.

If you have any questions regarding this review, please call me at (410) 305-2743.

Attachment

cc: Tad Yancheski (TETRA TECH)

TO #: 0023 TDF #: 0518

ANALYTICAL SERVICES AND QUALITY ASSURANCE BRANCH



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DATE: May 16, 2005

SUBJECT: Level M3 Organic Data Validation for Case 34031
SDG: C0011, C0162
Site: Big John's Houl Road

FROM: Shilpa Udani *su*
Organic Data Reviewer

Mahboobeh Mecanic *mm*
Senior Oversight Chemist

TO: Khin-Cho Thaug
ESAT Region 3 Project Officer

OVERVIEW

Case 34031, Sample Delivery Groups (SDGs) C0011 and C0162, consisted of thirty four (34) aqueous samples for volatile, semivolatile and pesticides/PCB analyses and three (3) trip blanks for volatile analysis only. All samples were submitted to Liberty Analytical Corporation (LIBRTY) for analyses. The sample set included two (2) rinsate blanks and two (2) field duplicate pairs. Samples were analyzed according to Contract Laboratory Program (CLP) Statement of Work (SOW) OLM04.3 through Routine Analytical Services (RAS) program.

SUMMARY

Data were validated according to Region III Modifications to the National Functional Guidelines for Organic Data Review, Level M3. All samples were successfully analyzed for all target compounds except those qualified "R" as noted in "MAJOR PROBLEM" section.

MAJOR PROBLEM

- In the Pesticide/PCB analysis of sample C0022 (SDG C0162) the surrogate recoveries for TCX (Tetrachloro-m-xylene) were less than 10% on both columns. Quantitation limits in this sample were rejected and qualified "R" on the Data Summary Forms (DSFs).

MINOR PROBLEMS

- Several compounds failed precision criteria [Percent Relative Standard Deviations (%RSDs) and /or Percent Differences (%Ds)] in the volatile and semivolatile initial and/or continuing calibrations. No positive results were associated with these outliers. Quantitation limits for compounds with imprecision exceeding fifty percent (%RSD or %D > 50%) criteria were qualified "UJ" on the DSFs.
- In the pesticide/PCB analyses, surrogate recoveries for Decachlorobiphenyl (DCB) were outside the lower Quality Control (QC) limits on both columns for samples C0020, C0026 (SDG C0011), C0016, C0028 and C0056 (SDG C0162). Quantitation limits for compounds associated with this surrogate were qualified "UJ" on the DSFs.

- Positive results for pesticide/PCB compounds with percent differences (%Ds) greater than twenty-five percent (>25%) between the two analytical columns were qualified "J" on the DSFs.
- Samples C0031, C0032, C0036, C0037, C0038, C0039, C0054 and C0058 (SDG C0011) had pH values greater than two (>2) when received by the laboratory. These samples were analyzed outside the aqueous technical holding time of seven (7) days from time of sample collection as noted below. Quantitation limits for the aromatic compounds associated in these samples results were qualified "UL" on the DSFs.

| <u>Sample</u> | <u>Collection Date</u> | <u>Analyses Date</u> | <u>No. of Days HT Exceeded</u> |
|---|------------------------|----------------------|--------------------------------|
| C0031, C0032, C0036, C0037, C0038, C0039 | 4/13/2005 | 4/22/2005 | 2 days |
| C0054, C0058 | 4/13/2005 | 4/23/2005 | 3 days |

NOTES

- Concentrations of target compounds found in the analysis of trip, rinsate, method and storage blanks are listed below. Only compounds used to qualify data are listed. Samples with concentrations of common laboratory contaminants less than ten times (<10X) blank concentration or with concentration of other contaminations less than five times (<5X) blank concentration have been qualified "B" on DSFs.

| <u>SDG</u> | <u>Blank</u> | <u>Analytes</u> | <u>Concentration</u> | <u>Samples</u> |
|------------|----------------------|---------------------|----------------------|--|
| C0011 | Storage (VHBLKZX) | Methylene Chloride* | 2 J ug/L | C0031, C0037, C0038, C0039, C0052, C0053, C0054, C0058, C0059 |
| | Rinsate (C0189) | Xylene (total) | 3 J ug/L | C0025, C0026 |
| C0162 | Storage (VHBLKZI) | Xylene (total) | 3 J ug/L | C0016, C0017, C0022, C0023, C0028, C0030, C0041, C0044, C0055, C0056, C0188, C0189, C0190 |
| | Method (VBLKFS) | Methylene Chloride* | 3 J ug/L | C0190 |

*** Common Laboratory Contaminations**

- Semivolatile sample C0020 (SDG C0011) had a recovery of surrogate terphenyl-d14 outside the lower Quality Control (QC) limit. No data were qualified based on a single surrogate outlier in this sample.
- In the Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of semivolatile sample C0041 (SDG C0162) recoveries of 4-nitrophenol were outside the upper control limits in both analyses. No data were qualified based on these outliers.

- In the Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of pesticide/PCB sample C0054 (SDG C0011) recovery of gamma-BHC was outside the lower control limit in MS analysis. Also, the Relative Percentage Differences (RPDs) of gamma-BHC, heptachlor and aldrin were outside the control limits. No data were qualified based on these outliers.
- The MS/MSD analyses of pesticide/PCBs sample C0041(SDG C0162) reported RPDs of gamma-BHC and heptachlor outside the control limits. No data were qualified based on these RPDs outlier.
- Non-spiked compounds, other than blank contaminants, were reported in sample C0054 (SDG C0011) and the MS/MSD analyses of this sample. Results and precision estimates are listed below.

| <u>Compound</u> | <u>C0054</u> | <u>Concentration (µg/L)</u> | | <u>%RSD</u> |
|-------------------------|--------------|-----------------------------|-----------------|-------------|
| | | <u>C0054MS</u> | <u>C0054MSD</u> | |
| dichlorodifluoromethane | ND | 1 J | 1 J | 0* |

- Non-spiked compounds, other than blank contaminants, were reported in sample C0041 (SDG C0162) and the MS/MSD analyses of this sample. Results and precision estimates are listed below.

| <u>Compound</u> | <u>C0041</u> | <u>Concentration (µg/L)</u> | | <u>%RSD</u> |
|-------------------------|--------------|-----------------------------|-----------------|-------------|
| | | <u>C0041MS</u> | <u>C0041MSD</u> | |
| dichlorodifluoromethane | ND | ND | 1 J | IN |
| endrin ketone | ND | 0.025 J | 0.021 J | 17* |
| beta-BHC | ND | ND | 0.022 J | IN |

%RSD = Percent Relative Standard Deviation
 * = RPD instead of %RSD
 ND = Non-detect
 IN = Indeterminate

- Results for volatile, semivolatile and pesticide/PCB field duplicate pairs, samples C0014/C0059 and C0039/C0058 in SDG C0011, were comparable.
- Tentatively Identified Compounds (TICs) were reviewed during data validation. Compounds identified as blank contaminants or common laboratory artifacts were crossed off TIC Form Is by the reviewer. TIC Form Is for samples in which TICs were identified are included in Appendix C.
- Sample volumes other than 1000 ml in semivolatile and pesticide/PCB aqueous analyses were used for samples associated with this case. Dilution factors reported on DSFs reflect actual sample volumes used.
- Compounds detected below Contact Required Quantitation Limits (CRQLs) were qualified "J" unless superseded by "B" on DSFs.

All data for Case 34031, SDG C0011 and C0162, were reviewed in accordance with Region III Modifications to the National Functional Guidelines for Organic Data Review, September 1994.

ATTACHMENTS

- 1) Appendix A Glossary of Data Qualifier Terms
- 2) Appendix B Data Summary Forms
- 3) Appendix C Tentatively Identified Compounds (TICs)
- 4) Appendix D Chain-of-Custody Records
- 5) Appendix E Laboratory Case Narrative

DCN: 34031, SDG C0011, C0162

Appendix A
Glossary of Data Qualifier Terms

GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

CODES RELATED TO IDENTIFICATION

(confidence concerning presence or absence of compounds)

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

NO CODE = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unusable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

J = Analyte present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

NJ = Qualitative identification questionable due to poor resolution. Presumptively present at approximate quantity.

Q = No analytical result.

Appendix B
Data Summary Forms

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031
 Site :
 Lab. :

SDG : C0011
 BIG JOHN'S HOULT RD
 LIBRTY

Number of Soil Samples : 0
 Number of Water Samples : 20

| Sample Number : | | C0011 | | C0012 | | C0013 | | C0014 | | C0019 | |
|---------------------------------------|------|-----------------|------|-----------------|------|----------------|------|----------------|------|----------------|------|
| Sampling Location : | | BJS-MW01A1-0405 | | BJS-MW01A2-0405 | | BJS-MW01B-0405 | | BJS-MW01C-0405 | | BJS-MW03B-0405 | |
| Field QC : | | Water | | Water | | Water | | Dup. of C0059 | | Water | |
| Matrix : | | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Units : | | 4/13/2005 | | 4/13/2005 | | 4/13/2005 | | 4/13/2005 | | 4/12/2005 | |
| Date Sampled : | | 11:10 | | 10:15 | | 12:00 | | 08:55 | | 15:25 | |
| Time Sampled : | | 1 | | 1 | | 1 | | 1 | | 1 | |
| pH : | | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Dilution Factor : | | | | | | | | | | | |
| Volatiles Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 10 | | | | | | | | | | |
| Chloromethane | 10 | | | | | | | | | | |
| Vinyl Chloride | 10 | | | | | | | | | | |
| Bromomethane | 10 | | | | | | | | | | |
| Chloroethane | 10 | | | | | | | | | | |
| Trichlorofluoromethane | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | | | | | | | | | |
| Acetone | 10 | | | | | | | | | | |
| Carbon Disulfide | 10 | | | | | | | | | | |
| Methyl Acetate | 10 | | | | | | | | | | |
| *Methylene Chloride | 10 | | | | | | | | | | |
| trans-1,2-Dichloroethene | 10 | | | | | | | | | | |
| tert-Butyl Methyl Ether | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10 | | | | | | | | | | |
| 2-Butanone | 10 | | | | | | | | | | |
| Chloroform | 10 | | | | | | | | | | |
| 1,1,1-Trichloroethane | 10 | | | | | | | | | | |
| Cyclohexane | 10 | | | | | | | | | | |
| Carbon Tetrachloride | 10 | | | | | | | | | | |
| *Benzene | 10 | | | | | | | | | | |
| 1,2-Dichloroethane | 10 | | | | | | | | | | |
| Trichloroethene | 10 | | | | | | | | | | |
| Methylcyclohexane | 10 | | | | | | | | | | |
| *1,2-Dichloropropane | 10 | | | | | | | | | | |
| Bromochloromethane | 10 | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 4-Methyl-2-pentanone | 10 | | | | | | | | | | |
| *Toluene | 10 | | | | | | | | | | |
| trans-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10 | | | | | | | | | | |
| Tetrachloroethane | 10 | | | | | | | | | | |

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | | C0011 | C0012 | C0013 | C0014 | C0019 | | | | | |
|-----------------------------|------|-----------------|-----------------|----------------|----------------|----------------|------|--------|------|--------|------|
| Sampling Location : | | BJS-MW01A1-0405 | BJS-MW01A2-0405 | BJS-MW01B-0405 | BJS-MW01C-0405 | BJS-MW03B-0405 | | | | | |
| Field QC : | | | | | Dup. of C0059 | | | | | | |
| Matrix : | | Water | Water | Water | Water | Water | | | | | |
| Units : | | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | |
| Date Sampled : | | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/12/2005 | | | | | |
| Time Sampled : | | 11:10 | 10:15 | 12:00 | 08:55 | 15:25 | | | | | |
| pH : | | 1 | 1 | 1 | 1 | 1 | | | | | |
| Dilution Factor : | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| Volatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-Hexanone | 10 | | | | | | | | | | |
| Dibromochloromethane | 10 | | | | | | | | | | |
| 1,2-Dibromoethane | 10 | | | | | | | | | | |
| *Chlorobenzene | 10 | | | | | | | | | | |
| Ethylbenzene | 10 | | | | | | | | | | |
| Xylenes (total) | 10 | | | | | | | | | | |
| Styrene | 10 | | | | | | | | | | |
| Bromoform | 10 | | | | | | | | | | |
| Isopropylbenzene | 10 | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10 | | | | | | | | | | |
| 1,3-Dichlorobenzene | 10 | | | | | | | | | | |
| *1,4-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 10 | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: VOLATILES

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0020 | C0025 | C0026 | C0031 | C0032 | | | | | | |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW03C-0405 | BJS-MW05B-0405 | BJS-MW05C-0405 | BJS-MW07B-0405 | BJS-MW07C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/12/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 16:15 | 12:20 | 17:00 | 15:45 | 14:30 | | | | | | |
| pH : | 1 | 1 | 1 | 8 | 7 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 10 | | | | | | | | | | |
| Chloromethane | 10 | | | | | | | | | | |
| Vinyl Chloride | 10 | | | | | | | | | | |
| Bromomethane | 10 | | | | | | | | | | |
| Chloroethane | 10 | | | | | | | UU | | UU | |
| Trichlorofluoromethane | 10 | | | | | | | | | | |
| 1,1-Dichloroethene | 10 | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | | | | | | | | | |
| Acetone | 10 | | | | | | | | | | |
| Carbon Disulfide | 10 | | | | | | | | | | |
| Methyl Acetate | 10 | | | | | | | | | | |
| *Methylene Chloride | 10 | | | | | | | 1 | B | | |
| trans-1,2-Dichloroethene | 10 | | | | | | | | | | |
| tert-Butyl Methyl Ether | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10 | | | | | | | | | | |
| 2-Butanone | 10 | | | | | | | | | | |
| Chloroform | 10 | | | | | | | | | | |
| 1,1,1-Trichloroethane | 10 | | | | | | | | | | |
| Cyclohexane | 10 | | | | | | | | | | |
| Carbon tetrachloride | 10 | | | | | | | | | | |
| *Benzene | 10 | | | 1 | J | | | | | UL | UL |
| 1,2-Dichloroethane | 10 | | | | | | | | | | |
| Trichloroethene | 10 | | | | | | | | | | |
| Methyl Chloroform | 10 | | | | | | | | | | |
| *1,2-Dichloropropane | 10 | | | | | | | | | | |
| Bromo Chloromethane | 10 | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 4-Methyl-2-pentanone | 10 | | | | | | | | | | |
| *Toluene | 10 | | | 2 | J | | | | | UL | UL |
| trans-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10 | | | | | | | | | | |
| Tetrachloroethene | 10 | | | | | | | | | | |

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0020 | C0025 | C0026 | C0031 | C0032 |
|---------------------|----------------|----------------|----------------|----------------|----------------|
| Sampling Location : | BJS-MW03C-0405 | BJS-MW05B-0405 | BJS-MW05C-0405 | BJS-MW07B-0405 | BJS-MW07C-0405 |
| Field QC : | | | | | |
| Matrix : | Water | Water | Water | Water | Water |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/12/2005 | 4/13/2005 | 4/13/2005 |
| Time Sampled : | 16:15 | 12:20 | 17:00 | 15:45 | 14:30 |
| pH : | 1 | 1 | 1 | 8 | 7 |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

| Volatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
|-----------------------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 2-Hexanone | 10 | | | | | | | | | | |
| Dibromochloromethane | 10 | | | | | | | | | | |
| 1,2-Dibromoethane | 10 | | | | | | | | | | |
| *Chlorobenzene | 10 | | | | | | | | UL | | UL |
| Ethylbenzene | 10 | | | 0.8 | J | | | | UL | | UL |
| Xylenes (total) | 10 | | | 8 | B | 0.7 | B | | UL | | UL |
| Styrene | 10 | | | | | | | | UL | | UL |
| Bromoform | 10 | | | | | | | | | | |
| Isopropylbenzene | 10 | | | | | | | | UL | | UL |
| 1,1,2,2-Tetrachloroethane | 10 | | | | | | | | | | |
| 1,3-Dichlorobenzene | 10 | | | | | | | | UL | | UL |
| *1,4-Dichlorobenzene | 10 | | | | | | | | UL | | UL |
| 1,2-Dichlorobenzene | 10 | | | | | | | | UL | | UL |
| 1,2-Dibromo-3-chloropropane | 10 | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | | | | | | | | UL | | UL |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | | C0036 | | C0037 | | C0038 | | C0039 | | C0051 | |
|---------------------------------------|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|
| Sampling Location : | | BJS-MW09B-0405 | | BJS-MW09C-0405 | | BJS-MW10B-0405 | | BJS-MW10C-0405 | | BJS-MW15B-0405 | |
| Field QC : | | | | | | | | Dup. of C0058 | | | |
| Matrix : | | Water | | Water | | Water | | Water | | Water | |
| Units : | | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Date Sampled : | | 4/13/2005 | | 4/13/2005 | | 4/13/2005 | | 4/13/2005 | | 4/12/2005 | |
| Time Sampled : | | 11:15 | | 12:05 | | 13:05 | | 08:45 | | 16:15 | |
| pH : | | 8 | | 8 | | 8 | | 8 | | 1 | |
| Dilution Factor : | | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Volatiles Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 10 | | | | | | | | | | |
| Chloromethane | 10 | | | | | | | | | | |
| Vinyl Chloride | 10 | | | | | | | | | | |
| Bromomethane | 10 | | | | | | | | | | |
| Chloroethane | 10 | | UL | | UL | | UL | | UL | | |
| Trichlorofluoromethane | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | | | | | | | | | |
| Acetone | 10 | | | | | | | | | | |
| Carbon Disulfide | 10 | | | | | | | | | | |
| Methyl Acetate | 10 | | | | | | | | | | |
| *Methylene Chloride | 10 | | | 1 | B | 1 | B | 1 | B | | |
| trans-1,2-Dichloroethene | 10 | | | | | | | | | | |
| tert-Butyl Methyl Ether | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10 | | | | | | | | | | |
| 2-Butanone | 10 | | | | | | | | | | |
| Chloroform | 10 | | | | | | | | | | |
| 1,1,1-Trichloroethane | 10 | | | | | | | | | | |
| Cyclohexane | 10 | | | | | | | | | | |
| *Carbon Tetrachloride | 10 | | | | | | | | | | |
| *Benzene | 10 | | UL | | UL | | UL | | UL | | |
| 1,2-Dichloroethane | 10 | | | | | | | | | | |
| Trichloroethene | 10 | | | | | | | | | | |
| Methylcyclohexane | 10 | | | | | | | | | | |
| *1,2-Dichloropropane | 10 | | | | | | | | | | |
| Bromodichloromethane | 10 | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 4-Methyl-2-pentanone | 10 | | | | | | | | | | |
| *Toluene | 10 | | UL | | UL | | UL | | UL | | |
| trans-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10 | | | | | | | | | | |
| Tetrachloroethene | 10 | | | | | | | | | | |

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0036 | C0037 | C0038 | C0039 | C0051 | | | | | | |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW09B-0405 | BJS-MW09C-0405 | BJS-MW10B-0405 | BJS-MW10C-0405 | BJS-MW15B-0405 | | | | | | |
| Field QC : | | | | Dup. of C0058 | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/12/2005 | | | | | | |
| Time Sampled : | 11:15 | 12:05 | 13:05 | 08:45 | 16:15 | | | | | | |
| pH : | 8 | 8 | 8 | 8 | 1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatiles Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-Hexanone | 10 | | | | | | | | | | |
| Dibromochloromethane | 10 | | | | | | | | | | |
| 1,2-Dibromoethane | 10 | | | | | | | | | | |
| *Chlorobenzene | 10 | | UL | | UL | | UL | | UL | | UL |
| Ethylbenzene | 10 | | UL | | UL | | UL | | UL | | UL |
| Xylenes (total) | 10 | | UL | | UL | | UL | | UL | | UL |
| Styrene | 10 | | UL | | UL | | UL | | UL | | UL |
| Bromoform | 10 | | | | | | | | | | |
| Isopropylbenzene | 10 | | UL | | UL | | UL | | UL | | UL |
| 1,1,2,2-Tetrachloroethane | 10 | | | | | | | | | | |
| 1,3-Dichlorobenzene | 10 | | UL | | UL | | UL | | UL | | UL |
| *1,4-Dichlorobenzene | 10 | | UL | | UL | | UL | | UL | | UL |
| 1,2-Dichlorobenzene | 10 | | UL | | UL | | UL | | UL | | UL |
| 1,2-Dibromo-3-chloropropane | 10 | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | | UL | | UL | | UL | | UL | | UL |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0052 | C0053 | C0054 | C0058 | C0059 | | | | | | |
|---------------------------------------|----------------|----------------|----------------|---------------|---------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW15C-0405 | BJS-MW16B-0405 | BJS-MW16C-0405 | BJS-MW19-0405 | BJS-MW20-0405 | | | | | | |
| Field QC : | | | | Dup. of C0039 | Dup. of C0014 | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 17:00 | 16:10 | 14:30 | 08:00 | 09:20 | | | | | | |
| pH : | 1 | 1 | 8 | 8 | 1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 10 | | | | | | | | | | |
| Chloromethane | 10 | | | | | | | | | | |
| Vinyl Chloride | 10 | | | | | | | | | | |
| Bromomethane | 10 | | | | | | | | | | |
| Chloroethane | 10 | | UJ | | UJ | | UJ | | UJ | | UJ |
| Trichlorofluoromethane | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | | | | | | | | | |
| Acetone | 10 | | | | | | | | | | |
| Carbon Disulfide | 10 | | | | | | | | | | |
| Methyl Acetate | 10 | | | | | | | | | | |
| *Methylene Chloride | 10 | 1 | B | 1 | B | 1 | B | 1 | B | 1 | B |
| trans-1,2-Dichloroethene | 10 | | | | | | | | | | |
| tert-Butyl Methyl Ether | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10 | | | | | | | | | | |
| 2-Butanone | 10 | | | | | | | | | | |
| Chloroform | 10 | | | | | | | | | | |
| 1,1,1-Trichloroethane | 10 | | | | | | | | | | |
| Cyclohexane | 10 | | | | | | | | | | |
| Carbon Tetrachloride | 10 | | | | | | | | | | |
| *Benzene | 10 | | | | | | UL | | UL | | |
| 1,2-Dichloroethane | 10 | | | | | | | | | | |
| Trichloroethene | 10 | | | | | | | | | | |
| Methylcyclohexane | 10 | | | | | | | | | | |
| *1,2-Dichloropropane | 10 | | | | | | | | | | |
| Bromochloromethane | 10 | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 2-Methyl-2-pentanone | 10 | | | | | | | | | | |
| *Toluene | 10 | | | | | | UL | | UL | | |
| trans-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10 | | | | | | | | | | |
| Tetrachloroethene | 10 | | | | | | | | | | |

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031
 Site :
 Lab. :

SDG : C0011
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0052 | C0053 | C0054 | C0058 | C0059 | | | | | | |
|-----------------------------|----------------|----------------|----------------|---------------|---------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW15C-0405 | BJS-MW16B-0405 | BJS-MW16C-0405 | BJS-MW19-0405 | BJS-MW20-0405 | | | | | | |
| Field QC : | | | | Dup. of C0039 | Dup. of C0014 | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 17:00 | 16:10 | 14:30 | 08:00 | 09:20 | | | | | | |
| pH : | 1 | 1 | 8 | 8 | 1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatiles Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-Hexanone | 10 | | | | | | | | | | |
| Dibromochloromethane | 10 | | | | | | | | | | |
| 1,2-Dibromoethane | 10 | | | | | | | | | | |
| *Chlorobenzene | 10 | | | | | UL | | UL | | | |
| *Ethylbenzene | 10 | | | | | UL | | UL | | | |
| Xylenes (total) | 10 | | | | | UL | | UL | | | |
| Styrene | 10 | | | | | UL | | UL | | | |
| Bromoform | 10 | | | | | | | | | | |
| Isopropylbenzene | 10 | | | | | UL | | UL | | | |
| 1,1,2,2-Tetrachloroethane | 10 | | | | | | | | | | |
| *1,3-Dichlorobenzene | 10 | | | | | UL | | UL | | | |
| *1,4-Dichlorobenzene | 10 | | | | | UL | | UL | | | |
| *1,2-Dichlorobenzene | 10 | | | | | UL | | UL | | | |
| 1,2-Dibromo-3-chloropropane | 10 | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | | | | | UL | | UL | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: VOLATILES

Case #: 34031
 Site :
 Lab. :

SDG : C0162
 BIG JOHN'S HOULT RD
 LIBRTY

Number of Soil Samples : 0
 Number of Water Samples : 17

ORIGINAL

| Sample Number : | | C00L8 | | C00L9 | | C0016 | | C0017 | | C0022 | |
|---------------------------------------|------|-------------------|------|-------------------|------|----------------|------|----------------|------|----------------|------|
| Sampling Location : | | BJS-SW-UT1-8-0405 | | BJS-SW-UT1-9-0405 | | BJS-MW02B-0405 | | BJS-MW02C-0405 | | BJS-MW04B-0405 | |
| Field QC : | | Water | | Water | | Water | | Water | | Water | |
| Matrix : | | ug/L | | ug/L | | ug/L | | ug/L | | ug/L | |
| Units : | | 4/8/2005 | | 4/8/2005 | | 4/12/2005 | | 4/12/2005 | | 4/11/2005 | |
| Date Sampled : | | 10:45 | | 08:10 | | 10:35 | | 09:05 | | 10:40 | |
| Time Sampled : | | 1 | | 1 | | 1 | | 1 | | 1 | |
| pH : | | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Dilution Factor : | | | | | | | | | | | |
| Volatiles Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 10 | | | | | | | | | | |
| Chloromethane | 10 | | | | | | | | | | |
| Vinyl Chloride | 10 | | | | | | | | | | |
| Bromomethane | 10 | | | | | | | | | | |
| Chloroethane | 10 | | | | | | | | | | |
| Trichlorofluoromethane | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | | | | | | | | | |
| Acetone | 10 | | | | | | | | | | |
| Carbon Disulfide | 10 | | | | | | | | | | |
| Methyl Acetate | 10 | | | | | | | | | | |
| *Methylene Chloride | 10 | | | | | | | | | | |
| trans-1,2-Dichloroethene | 10 | | | | | | | | | | |
| tert-Butyl Methyl Ether | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10 | | | | | | | | | | |
| 2-Butanone | 10 | | | | | | | | | | |
| Chloroform | 10 | | | | | | | | | | |
| 1,1,1-Trichloroethane | 10 | | | | | | | | | | |
| Cyclohexane | 10 | | | | | | | | | | |
| Carbon Tetrachloride | 10 | | | | | | | | | | |
| *Benzene | 10 | 2 | J | 3 | J | | | | | | |
| 1,2-Dichloroethane | 10 | | | | | | | | | | |
| Trichloroethene | 10 | | | | | | | | | | |
| Methylcyclohexane | 10 | | | | | | | | | | |
| *1,2-Dichloropropane | 10 | | | | | | | | | | |
| Bromodichloromethane | 10 | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 4-Methyl-2-pentanone | 10 | | | | | | | | | | |
| *Toluene | 10 | | | | | | | | | | |
| trans-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10 | | | | | | | | | | |
| Tetrachloroethene | 10 | | | | | | | | | | |

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C00L8 | C00L9 | C0016 | C0017 | C0022 | | | | | | |
|-----------------------------|-------------------|-------------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-SW-UT1-8-0405 | BJS-SW-UT1-9-0405 | BJS-MW02B-0405 | BJS-MW02C-0405 | BJS-MW04B-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/8/2005 | 4/8/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 10:45 | 08:10 | 10:35 | 09:05 | 10:40 | | | | | | |
| pH : | 1 | 1 | 1 | 1 | 1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatle Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-Hexanone | 10 | | | | | | | | | | |
| Dibromochloromethane | 10 | | | | | | | | | | |
| 1,2-Dibromoethane | 10 | | | | | | | | | | |
| *Chlorobenzene | 10 | | | | | | | | | | |
| *Ethylbenzene | 10 | | | | | | | | | | |
| Xylenes (total) | 10 | | | | | 6 | B | 5 | B | 5 | B |
| *Styrene | 10 | | | | | | | | | | |
| Bromoform | 10 | | | | | | | | | | |
| Isopropylbenzene | 10 | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10 | | | | | | | | | | |
| 1,3-Dichlorobenzene | 10 | | | | | | | | | | |
| *1,4-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 10 | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0023 | C0028 | C0030 | C0041 | C0044 | | | | | | |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW04C-0405 | BJS-MW06B-0405 | BJS-MW06C-0405 | BJS-MW11B-0405 | BJS-MW12C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/11/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 12:50 | 13:30 | 13:00 | 12:30 | 10:15 | | | | | | |
| pH : | 1 | 1 | 1 | 1 | 1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatiles Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 10 | | | | | | | | | | |
| Chloromethane | 10 | | | | | | | | | | |
| Vinyl Chloride | 10 | | | | | | | | | | |
| Bromomethane | 10 | | | | | | | | | | |
| Chloroethane | 10 | | | | | | | | | | |
| Trichlorofluoromethane | 10 | | | | | | | | | | |
| 1,1-Dichloroethene | 10 | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | | | | | | | | | |
| Acetone | 10 | | | | | | | | | | |
| Carbon Disulfide | 10 | | | | | | | | | | |
| Methyl Acetate | 10 | | | | | | | | | | |
| *Methylene Chloride | 10 | | | | | | | | | | |
| trans-1,2-Dichloroethene | 10 | | | | | | | | | | |
| tert-Butyl Methyl Ether | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10 | | | | | | | | | | |
| 2-Butanone | 10 | | | | | | | | | | |
| Chloroform | 10 | | | | | | | | | | |
| 1,1,1-Trichloroethane | 10 | | | | | | | | | | |
| Cyclohexane | 10 | | | | | | | | | | |
| Carbon Tetrachloride | 10 | | | | | | | | | | |
| *Benzene | 10 | | | | | | | | | | |
| 1,2-Dichloroethane | 10 | | | | | | | | | | |
| Trichloroethene | 10 | | | | | | | | | | |
| Methylcyclohexane | 10 | | | | | | | | | | |
| *1,2-Dichloropropane | 10 | | | | | | | | | | |
| Bromodichloromethane | 10 | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 2-Methyl-2-pentanone | 10 | | | | | | | | | | |
| *Toluene | 10 | | | | | | | | | | |
| trans-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10 | | | | | | | | | | |
| Tetrachloroethane | 10 | | | | | | | | | | |

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0023 | C0028 | C0030 | C0041 | C0044 | | | | | | |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW04C-0405 | BJS-MW06B-0405 | BJS-MW06C-0405 | BJS-MW11B-0405 | BJS-MW12C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/11/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 12:50 | 13:30 | 13:00 | 12:30 | 10:15 | | | | | | |
| pH : | 1 | 1 | 1 | 1 | 1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatiles Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-Hexanone | 10 | | | | | | | | | | |
| Dibromochloromethane | 10 | | | | | | | | | | |
| 1,2-Dibromoethane | 10 | | | | | | | | | | |
| *Chlorobenzene | 10 | | | | | | | | | | |
| *Ethylbenzene | 10 | | | | | | | | | | |
| Xylenes (total) | 10 | 4 | B | 4 | B | 3 | B | 11 | B | 6 | B |
| *Styrene | 10 | | | | | | | | | | |
| Bromoform | 10 | | | | | | | | | | |
| Isopropylbenzene | 10 | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10 | | | | | | | | | | |
| 1,3-Dichlorobenzene | 10 | | | | | | | | | | |
| *1,4-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 10 | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0055 | C0056 | C0162 | C0185 | C0188 | | | | | | |
|---------------------------------------|----------------|----------------|---------------|---------------|---------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW17B-0405 | BJS-MW17C-0405 | BJS-TB06-0405 | BJS-TB10-0405 | EQ-SD1-0405 | | | | | | |
| Field QC : | | | Trip Blank | Trip Blank | Rinsate Blank | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/8/2005 | 4/11/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 09:40 | 09:00 | 07:00 | 07:00 | 14:30 | | | | | | |
| pH : | 1 | 1 | 1 | 1 | 1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatiles Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 10 | | | | | | | | | | |
| Chloromethane | 10 | | | | | | | | | | |
| Vinyl Chloride | 10 | | | | | | | | | | |
| Bromomethane | 10 | | | | | | | | | | |
| Chloroethane | 10 | | | | | | | | | | |
| Trichlorofluoromethane | 10 | | | | | | | | | | |
| 1,1-Dichloroethene | 10 | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | | | | | | | | | |
| Acetone | 10 | | UJ | | UJ | | | | | | UJ |
| Carbon Disulfide | 10 | | | | | | | | | | |
| Methyl Acetate | 10 | | | | | | | | | | |
| *Methylene Chloride | 10 | | | | | | | | | | |
| trans-1,2-Dichloroethene | 10 | | | | | | | | | | |
| tert-Butyl Methyl Ether | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10 | | | | | | | | | | |
| 2-Butanone | 10 | | | | | | | | | | |
| Chloroform | 10 | | | | | | | | | 0.9 | J |
| 1,1,1-Trichloroethane | 10 | | | | | | | | | | |
| Cyclohexane | 10 | | | | | | | | | | |
| *Carbon Tetrachloride | 10 | | | | | | | | | | |
| *Benzene | 10 | | | | | | | | | | |
| 1,2-Dichloroethane | 10 | | | | | | | | | | |
| Trichloroethene | 10 | | | | | | | | | | |
| Methylcyclohexane | 10 | | | | | | | | | | |
| *1,2-Dichloropropane | 10 | | | | | | | | | | |
| Bromodichloromethane | 10 | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 4-Methyl-2-pentanone | 10 | | | | | | | | | | |
| *Toluene | 10 | | | | | | | | | | |
| trans-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10 | | | | | | | | | | |
| Tetrachloroethene | 10 | | | | | | | | | | |

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0055 | C0056 | C0162 | C0185 | C0188 | | | | | | |
|-----------------------------|----------------|----------------|---------------|---------------|---------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW17B-0405 | BJS-MW17C-0405 | BJS-TB06-0405 | BJS-TB10-0405 | EQ-SD1-0405 | | | | | | |
| Field QC : | | | Trip Blank | Trip Blank | Rinsate Blank | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/8/2005 | 4/11/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 09:40 | 09:00 | 07:00 | 07:00 | 14:30 | | | | | | |
| pH : | 1 | 1 | 1 | 1 | 1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Volatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-Hexanone | 10 | | | | | | | | | | |
| Dibromochloromethane | 10 | | | | | | | | | | |
| 1,2-Dibromoethane | 10 | | | | | | | | | | |
| *Chlorobenzene | 10 | | | | | | | | | | |
| Ethylbenzene | 10 | | | | | | | | | | |
| Xylenes (total) | 10 | 4 | B | 4 | B | | | | | 3 | B |
| Styrene | 10 | | | | | | | | | | |
| Bromoform | 10 | | | | | | | | | | |
| Isopropylbenzene | 10 | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10 | | | | | | | | | | |
| 1,3-Dichlorobenzene | 10 | | | | | | | | | | |
| *1,4-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 10 | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | | C0189 | | C0190 | | | | | | | |
|---------------------------------------|------|---------------|------|---------------|------|--------|------|--------|------|--------|------|
| Sampling Location : | | EQ-SW1-0405 | | BJS-TB10-0405 | | | | | | | |
| Field QC : | | Rinsate Blank | | Trip Blank | | | | | | | |
| Matrix : | | Water | | Water | | | | | | | |
| Units : | | ug/L | | ug/L | | | | | | | |
| Date Sampled : | | 4/11/2005 | | 4/12/2005 | | | | | | | |
| Time Sampled : | | 14:00 | | 07:00 | | | | | | | |
| pH : | | 1 | | 1 | | | | | | | |
| Dilution Factor : | | 1.0 | | 1.0 | | | | | | | |
| Volatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 10 | | | | | | | | | | |
| Chloromethane | 10 | | | | | | | | | | |
| Vinyl Chloride | 10 | | | | | | | | | | |
| Bromomethane | 10 | | | | | | | | | | |
| Chloroethane | 10 | | | | | | | | | | |
| Trichlorofluoromethane | 10 | | | | | | | | | | |
| 1,1-Dichloroethene | 10 | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | | | | | | | | | |
| Acetone | 10 | | UJ | | | | | | | | |
| Carbon Disulfide | 10 | | | | | | | | | | |
| Methyl Acetate | 10 | | | | | | | | | | |
| *Methylene Chloride | 10 | | | 12 | B | | | | | | |
| trans-1,2-Dichloroethene | 10 | | | | | | | | | | |
| tert-Butyl Methyl Ether | 10 | | | | | | | | | | |
| 1,1-Dichloroethane | 10 | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10 | | | | | | | | | | |
| 2-Butanone | 10 | | | | | | | | | | |
| Chloroform | 10 | 0.9 | J | | | | | | | | |
| 1,1,1-Trichloroethane | 10 | | | | | | | | | | |
| Cyclohexane | 10 | | | | | | | | | | |
| Carbon Tetrachloride | 10 | | | | | | | | | | |
| *Benzene | 10 | | | | | | | | | | |
| 1,2-Dichloroethane | 10 | | | | | | | | | | |
| Trichloroethene | 10 | | | | | | | | | | |
| Methylcyclohexane | 10 | | | | | | | | | | |
| *1,2-Dichloropropane | 10 | | | | | | | | | | |
| Bromodichloromethane | 10 | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 4-Methyl-2-pentanone | 10 | | | | | | | | | | |
| *Toluene | 10 | | | | | | | | | | |
| trans-1,3-Dichloropropene | 10 | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10 | | | | | | | | | | |
| Tetrachloroethene | 10 | | | | | | | | | | |

DATA SUMMARY FORM: VOLATILES

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0189 | C0190 | | | | | | | | | |
|-----------------------------|---------------|---------------|------|--------|------|--------|------|--------|------|--------|------|
| Sampling Location : | EQ-SW1-0405 | BJS-TB10-0405 | | | | | | | | | |
| Field QC : | Rinsate Blank | Trip Blank | | | | | | | | | |
| Matrix : | Water | Water | | | | | | | | | |
| Units : | ug/L | ug/L | | | | | | | | | |
| Date Sampled : | 4/11/2005 | 4/12/2005 | | | | | | | | | |
| Time Sampled : | 14:00 | 07:00 | | | | | | | | | |
| pH : | 1 | 1 | | | | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | | | | | | | | | |
| Volatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2-Hexanone | 10 | | | | | | | | | | |
| Dibromochloromethane | 10 | | | | | | | | | | |
| 1,2-Dibromoethane | 10 | | | | | | | | | | |
| *Chlorobenzene | 10 | | | | | | | | | | |
| Ethylbenzene | 10 | | | | | | | | | | |
| Xylenes (total) | 10 | 3 | B | 5 | B | | | | | | |
| Styrene | 10 | | | | | | | | | | |
| Bromoform | 10 | | | | | | | | | | |
| Isopropylbenzene | 10 | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10 | | | | | | | | | | |
| 1,3-Dichlorobenzene | 10 | | | | | | | | | | |
| *1,4-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dichlorobenzene | 10 | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 10 | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: BNA

ORIGINAL

Case #: 34031

SDG : C0011

Number of Soil Samples : 0

Site :

BIG JOHN'S HOULT RD

Number of Water Samples : 20

Lab. :

LIBRTY

| Sample Number : | C0011 | C0012 | C0013 | C0014 | C0019 | | | | | | |
|-----------------------------------|-----------------|-----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW01A1-0405 | BJS-MW01A2-0405 | BJS-MW01B-0405 | BJS-MW01C-0405 | BJS-MW03B-0405 | | | | | | |
| Field QC : | | | | Dup. of C0059 | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/12/2005 | | | | | | |
| Time Sampled : | 11:10 | 10:15 | 12:00 | 08:55 | 15:25 | | | | | | |
| Dilution Factor : | 0.98 | 1.11 | 0.98 | 1.0 | 0.95 | | | | | | |
| Semivolatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 10 | | | | | | | | | | |
| Phenol | 10 | | | | | | | | | | |
| Bis(2-Chloro-1-methylethyl) ether | 10 | | | | | | | | | | |
| 2-Chlorophenol | 10 | | | | | | | | | | |
| 2-Methylphenol | 10 | | | | | | | | | | |
| Bis(2-chloro-1-Chloropropane) | 10 | | | | | | | | | | |
| Acetophenone | 10 | | | | | | | | | | |
| 4-Methylphenol | 10 | | | | | | | | | | |
| N-Nitroso-dl-n-propylamine | 10 | | | | | | | | | | |
| Hexachloroethane | 10 | | | | | | | | | | |
| Nitrobenzene | 10 | | | | | | | | | | |
| Isophorone | 10 | | | | | | | | | | |
| 2-Nitrophenol | 10 | | | | | | | | | | |
| 2,4-Dimethylphenol | 10 | | | | | | | | | | |
| bis(2-Chloroethoxy)methane | 10 | | | | | | | | | | |
| 2,4-Dichlorophenol | 10 | | | | | | | | | | |
| Naphthalene | 10 | | | | | | | | | | |
| 4-Chloroaniline | 10 | | | | | | | | | | |
| Hexachlorobutadiene | 10 | | | | | | | | | | |
| Caprolactam | 10 | | | | | | | | | | |
| 4-Chloro-3-methylphenol | 10 | | | | | | | | | | |
| 2-Methylnaphthalene | 10 | | | | | | | | | | |
| Hexachlorocyclopentadiene | 10 | | | | | | | | | | |
| 2,4,6-Trichlorophenol | 10 | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 25 | | | | | | | | | | |
| 1,1'-Biphenyl | 10 | | | | | | | | | | |
| 2-Chloronaphthalene | 10 | | | | | | | | | | |
| 2-Nitroaniline | 25 | | | | | | | | | | |
| Dimethylphthalate | 10 | | | | | | | | | | |
| 2,6-Dinitrotoluene | 10 | | | | | | | | | | |
| Acenaphthylene | 10 | | | | | | | | | | |
| 3-Nitroaniline | 25 | | | | | | | | | | |

DATA SUMMARY FORM: BNA

Case #: 34031
 Site :
 Lab. :

SDG : C0011
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0011 | C0012 | C0013 | C0014 | C0019 | | | | | | |
|-----------------------------|-----------------|-----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW01A1-0405 | BJS-MW01A2-0405 | BJS-MW01B-0405 | BJS-MW01C-0405 | BJS-MW03B-0405 | | | | | | |
| Field QC : | | | | Dup. of C0059 | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/12/2005 | | | | | | |
| Time Sampled : | 11:10 | 10:15 | 12:00 | 08:55 | 15:25 | | | | | | |
| Dilution Factor : | 0.98 | 1.11 | 0.98 | 1.0 | 0.95 | | | | | | |
| Semivolatle Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Acenaphthene | 10 | | | | | | | | | | |
| 2,4-Dinitrophenol | 25 | | UJ | | UJ | | UJ | | UJ | | UJ |
| 4-Nitrophenol | 25 | | | | | | | | | | |
| Dibenzofuran | 10 | | | | | | | | | | |
| 2,4-Dinitrotoluene | 10 | | | | | | | | | | |
| Diethylphthalate | 10 | | | | | | | | | | |
| Fluorene | 10 | | | | | | | | | | |
| 4-Chlorophenyl-phenyl ether | 10 | | | | | | | | | | |
| 4-Nitroaniline | 25 | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 25 | | | | | | | | | | |
| N-Nitrosodiphenylamine | 10 | | | | | | | | | | |
| 4-Bromophenyl-phenylether | 10 | | | | | | | | | | |
| Hexachlorobenzene | 10 | | | | | | | | | | |
| Atrazine | 10 | | UJ | | UJ | | UJ | | UJ | | UJ |
| Pentachlorophenol | 25 | | | | | | | | | | |
| Phenanthrene | 10 | | | | | | | | | | |
| Anthracene | 10 | | | | | | | | | | |
| Carbazole | 10 | | | | | | | | | | |
| Di-n-butylphthalate | 10 | | | | | | | | | | |
| Fluoranthene | 10 | | | | | | | | | | |
| Pyrene | 10 | | | | | | | | | | |
| Butylbenzylphthalate | 10 | | | | | | | | | | |
| 3,3-Dichlorobenzidine | 10 | | | | | | | | | | |
| Benzo(a)anthracene | 10 | | | | | | | | | | |
| Chrysene | 10 | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 | | | | | | | 5 | J | | |
| Di-n-octylphthalate | 10 | | | | | | | | | | |
| Benzo(b)fluoranthene | 10 | | | | | | | | | | |
| Benzo(k)fluoranthene | 10 | | | | | | | | | | |
| Benzo(a)pyrene | 10 | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 10 | | | | | | | | | | |
| Dibenzo(a,h)anthracene | 10 | | | | | | | | | | |
| Benzo(ghi)perylene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0020 | C0025 | C0026 | C0031 | C0032 | | | | | | |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW03C-0405 | BJS-MW05B-0405 | BJS-MW05C-0405 | BJS-MW07B-0405 | BJS-MW07C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/12/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 16:15 | 12:20 | 17:00 | 15:45 | 14:30 | | | | | | |
| Dilution Factor : | 1.0 | 0.95 | 0.98 | 0.95 | 0.98 | | | | | | |
| Semivolatle Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 10 | | | | | | | | | | |
| Phenol | 10 | | | | | | | | | | |
| bis(2-Chloro-1-methylethyl)ether | 10 | | | | | | | | | | |
| 2-Chlorophenol | 10 | | | | | | | | | | |
| 2-Methylphenol | 10 | | | | | | | | | | |
| Bis(2-chloro-1-Chloropropane) | 10 | | | | | | | | | | |
| Acetophenone | 10 | | | | | | | | | | |
| 4-Methylphenol | 10 | | | | | | | | | | |
| N-Nitroso-di-n-propylamine | 10 | | | | | | | | | | |
| Hexachloroethane | 10 | | | | | | | | | | |
| Nitrobenzene | 10 | | | | | | | | | | |
| Isophorone | 10 | | | | | | | | | | |
| 2-Nitrophenol | 10 | | | | | | | | | | |
| 2,4-Dimethylphenol | 10 | | | | | | | | | | |
| bis(2-Chloroethoxy)methane | 10 | | | | | | | | | | |
| 2,4-Dichlorophenol | 10 | | | | | | | | | | |
| Naphthalene | 10 | | | | | | | | | | |
| 4-Chloroaniline | 10 | | | | | | | | | | |
| Hexachlorobutadiene | 10 | | | | | | | | | | |
| Caprolactam | 10 | | | | | | | | | | |
| 4-Chloro-3-methylphenol | 10 | | | | | | | | | | |
| 2-Methylnaphthalene | 10 | | | | | | | | | | |
| Hexachlorocyclopentadiene | 10 | | | | | | | | | | |
| 2,4,6-Trichlorophenol | 10 | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 25 | | | | | | | | | | |
| 1,1'-Biphenyl | 10 | | | | | | | | | | |
| 2-Chloronaphthalene | 10 | | | | | | | | | | |
| 2-Nitroaniline | 25 | | | | | | | | | | |
| Dimethylphthalate | 10 | | | | | | | | | | |
| 2,6-Dinitrotoluene | 10 | | | | | | | | | | |
| Acenaphthylene | 10 | | | | | | | | | | |
| 3-Nitroaniline | 25 | | | | | | | | | | |

03/20/05

Case #: 34031
 Site :
 Lab. :

SDG : C0011
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0020 | C0025 | C0026 | C0031 | C0032 | | | | | | |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW03C-0405 | BJS-MW05B-0405 | BJS-MW05C-0405 | BJS-MW07B-0405 | BJS-MW07C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/12/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 16:15 | 12:20 | 17:00 | 15:45 | 14:30 | | | | | | |
| Dilution Factor : | 1.0 | 0.95 | 0.98 | 0.95 | 0.98 | | | | | | |
| Semivolatle Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Acephenanthrene | 10 | | | 2 | | | | | | | |
| 2,4-Dinitrophenol | 25 | | | | UJ | | UJ | | UJ | | UJ |
| 4-Nitrophenol | 25 | | | | | | | | | | |
| Dibenzofuran | 10 | | | | | | | | | | |
| 2,4-Dinitrotoluene | 10 | | | | | | | | | | |
| Diethylphthalate | 10 | | | | | | | | | | |
| Fluorene | 10 | | | | | | | | | | |
| 4-Chlorophenyl-phenyl ether | 10 | | | | | | | | | | |
| 4-Nitroaniline | 25 | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 25 | | | | | | | | | | |
| N-Nitrosodiphenylamine | 10 | | | | | | | | | | |
| 4-Bromophenyl-phenylether | 10 | | | | | | | | | | |
| Hexachlorobenzene | 10 | | | | | | | | | | |
| Atrazine | 10 | | UJ | | UJ | | UJ | | UJ | | UJ |
| Pentaachlorophenol | 25 | | | | | | | | | | |
| Phenanthrene | 10 | | | | | | | | | | |
| Anthracene | 10 | | | | | | | | | | |
| Carbazole | 10 | | | | | | | | | | |
| Di-n-butylphthalate | 10 | | | | | | | | | | |
| Fluoranthene | 10 | | | | | | | | | | |
| Pyrene | 10 | | | | | | | | | | |
| Butylbenzylphthalate | 10 | | | | | | | | | | |
| 3,3-Dichlorobenzidine | 10 | | | | | | | | | | |
| Benzo(a)anthracene | 10 | | | | | | | | | | |
| Chrysene | 10 | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 | | | | | | | | | | |
| Di-n-octylphthalate | 10 | | | | | | | | | | |
| Benzo(b)fluoranthene | 10 | | | | | | | | | | |
| Benzo(k)fluoranthene | 10 | | | | | | | | | | |
| Benzo(a)pyrene | 10 | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 10 | | | | | | | | | | |
| Dibenzo(a,h)anthracene | 10 | | | | | | | | | | |
| Benzo(g,h,i)perylene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: BNA

ORIGINAL

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0036 | C0037 | C0038 | C0039 | C0051 | | | | | | |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW09B-0405 | BJS-MW09C-0405 | BJS-MW10B-0405 | BJS-MW10C-0405 | BJS-MW15B-0405 | | | | | | |
| Field QC : | | | | Dup. of C0058 | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/12/2005 | | | | | | |
| Time Sampled : | 11:15 | 12:05 | 13:05 | 08:45 | 16:15 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.11 | 1.0 | 0.95 | | | | | | |
| Semivolatitle Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 10 | | | | | | | | | | |
| Phenol | 10 | | | | | | | | | | |
| bis(2-Chloro-1-methylethyl) ether | 10 | | | | | | | | | | |
| 2-Chlorophenol | 10 | | | | | | | | | | |
| 2-Methylphenol | 10 | | | | | | | | | | |
| Bis(2-chloro-1-Chloropropane) | 10 | | | | | | | | | | |
| Acetophenone | 10 | | | | | | | | | | |
| 4-Methylphenol | 10 | | | | | | | | | | |
| N-Nitroso-dl-n-propylamine | 10 | | | | | | | | | | |
| Hexachloroethane | 10 | | | | | | | | | | |
| Nitrobenzene | 10 | | | | | | | | | | |
| Isophorone | 10 | | | | | | | | | | |
| 2-Nitrophenol | 10 | | | | | | | | | | |
| 2,4-Dimethylphenol | 10 | | | | | | | | | | |
| bis(2-Chloroethoxy)methane | 10 | | | | | | | | | | |
| 2,4-Dichlorophenol | 10 | | | | | | | | | | |
| Naphthalene | 10 | | | | | | | | | | |
| 4-Chloroaniline | 10 | | | | | | | | | | |
| Hexachlorobutadiene | 10 | | | | | | | | | | |
| Caprolactam | 10 | | | | | | | | | | |
| 4-Chloro-3-methylphenol | 10 | | | | | | | | | | |
| 2-Methylnaphthalene | 10 | | | | | | | | | | |
| Hexachlorocyclopentadiene | 10 | | | | | | | | | | |
| 2,4,6-Trichlorophenol | 10 | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 25 | | | | | | | | | | |
| 1,1'-Biphenyl | 10 | | | | | | | | | | |
| 2-Chloronaphthalene | 10 | | | | | | | | | | |
| 2-Nitroaniline | 25 | | | | | | | | | | |
| Dimethylphthalate | 10 | | | | | | | | | | |
| 2,6-Dinitrotoluene | 10 | | | | | | | | | | |
| Acenaphthylene | 10 | | | | | | | | | | |
| 3-Nitroaniline | 25 | | | | | | | | | | |

DATA SUMMARY FORM: BNA

Case #: 34031
 Site :
 Lab. :

SDG : C0011
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0036 | C0037 | C0038 | C0039 | C0051 | | | | | | |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW09B-0405 | BJS-MW09C-0405 | BJS-MW10B-0405 | BJS-MW10C-0405 | BJS-MW15B-0405 | | | | | | |
| Field QC : | | | | Dup. of C0058 | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/12/2005 | | | | | | |
| Time Sampled : | 11:15 | 12:05 | 13:05 | 08:45 | 16:15 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.11 | 1.0 | 0.95 | | | | | | |
| Semivolatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Acephenanthrene | 10 | | | | | | | | | | |
| 2,4-Dinitrophenol | 25 | | | | | | | | | | |
| 4-Nitrophenol | 25 | | | | | | | | | | |
| Dibenzofuran | 10 | | | | | | | | | | |
| 2,4-Dinitrotoluene | 10 | | | | | | | | | | |
| Diethylphthalate | 10 | | | | | | | | | | |
| Fluorene | 10 | | | | | | | | | | |
| 4-Chlorophenyl-phenyl ether | 10 | | | | | | | | | | |
| 4-Nitroaniline | 25 | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 25 | | | | | | | | | | |
| N-Nitrosodiphenylamine | 10 | | | | | | | | | | |
| 4-Bromophenyl-phenylether | 10 | | | | | | | | | | |
| Hexachlorobenzene | 10 | | | | | | | | | | |
| Atrazine | 10 | | UJ | | UJ | | UJ | | UJ | | UJ |
| Pentachlorophenol | 25 | | | | | | | | | | |
| Phenanthrene | 10 | | | | | | | | | | |
| Anthracene | 10 | | | | | | | | | | |
| Carbazole | 10 | | | | | | | | | | |
| Di-n-butylphthalate | 10 | | | | | | | | | | |
| Fluoranthene | 10 | | | | | | | | | | |
| Pyrene | 10 | | | | | | | | | | |
| Butylbenzylphthalate | 10 | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | 10 | | | | | | | | | | |
| Benzo(a)anthracene | 10 | | | | | | | | | | |
| Chrysene | 10 | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 | | | | | | | | | 15 | |
| Dialcylphthalate | 10 | | | | | | | | | | |
| Benzo(b)fluoranthene | 10 | | | | | | | | | | |
| Benzo(k)fluoranthene | 10 | | | | | | | | | | |
| Benzo(a)pyrene | 10 | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 10 | | | | | | | | | | |
| Dibenzo(a,h)anthracene | 10 | | | | | | | | | | |
| Benzo(g,h,i)perylene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: BNA

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0052 | C0053 | C0054 | C0058 | C0059 | | | | | | |
|----------------------------------|----------------|----------------|----------------|---------------|---------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW15C-0405 | BJS-MW16B-0405 | BJS-MW16C-0405 | BJS-MW19-0405 | BJS-MW20-0405 | | | | | | |
| Field QC : | | | | Dup. of C0039 | Dup. of C0014 | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 17:00 | 16:10 | 14:30 | 08:00 | 09:20 | | | | | | |
| Dilution Factor : | 1.05 | 1.0 | 1.0 | 1.0 | 0.95 | | | | | | |
| Semivolatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 10 | | | | | | | | | | |
| Phenol | 10 | | | | | | | | | | |
| bis(2-Chloro-1-methylthyl) ether | 10 | | | | | | | | | | |
| 2-Chlorophenol | 10 | | | | | | | | | | |
| 2-Methylphenol | 10 | | | | | | | | | | |
| Bis(2-chloro-1-Chloropropane) | 10 | | | | | | | | | | |
| Acetophenone | 10 | | | | | | | | | | |
| 4-Methylphenol | 10 | | | | | | | | | | |
| N-Nitroso-d-n-propylamine | 10 | | | | | | | | | | |
| Hexachloroethane | 10 | | | | | | | | | | |
| Nitrobenzene | 10 | | | | | | | | | | |
| Isophorone | 10 | | | | | | | | | | |
| 2-Nitrophenol | 10 | | | | | | | | | | |
| 2,4-Dimethylphenol | 10 | | | | | | | | | | |
| bis(2-Chloroethoxy)methane | 10 | | | | | | | | | | |
| 2,4-Dichlorophenol | 10 | | | | | | | | | | |
| Naphthalene | 10 | | | | | | | | | | |
| 4-Chloroaniline | 10 | | | | | | | | | | |
| Hexachlorobutadiene | 10 | | | | | | | | | | |
| Caprolactam | 10 | | | | | | | | | | |
| 4-Chloro-3-methylphenol | 10 | | | | | | | | | | |
| 2-Methylnaphthalene | 10 | | | | | | | | | | |
| Hexachlorocyclopentadiene | 10 | | | | | | | | | | |
| 2,4,6-Trichlorophenol | 10 | | | | | | | | | | |
| 2,3,5-Trichlorophenol | 25 | | | | | | | | | | |
| 1,1'-Biphenyl | 10 | | | | | | | | | | |
| 2-Chloronaphthalene | 10 | | | | | | | | | | |
| 2-Nitroaniline | 25 | | | | | | | | | | |
| Dimethylnthalate | 10 | | | | | | | | | | |
| 2,6-Dinitrotoluene | 10 | | | | | | | | | | |
| Acenaphthylene | 10 | | | | | | | | | | |
| 3-Nitroaniline | 25 | | | | | | | | | | |

Case #: 34031
 Site :
 Lab. :

SDG : C0011
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0052 | C0053 | C0054 | C0058 | C0059 | | | | | | |
|-----------------------------|----------------|----------------|----------------|---------------|---------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW15C-0405 | BJS-MW16B-0405 | BJS-MW16C-0405 | BJS-MW19-0405 | BJS-MW20-0405 | | | | | | |
| Field QC : | | | | Dup. of C0039 | Dup. of C0014 | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 17:00 | 16:10 | 14:30 | 08:00 | 09:20 | | | | | | |
| Dilution Factor : | 1.05 | 1.0 | 1.0 | 1.0 | 0.95 | | | | | | |
| Semivolatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Acenaphthene | 10 | | | | | | | | | | |
| 2,4-Dinitrophenol | 25 | | | | | | UJ | | | | |
| 4-Nitrophenol | 25 | | | | | | | | | | |
| Dibenzofuran | 10 | | | | | | | | | | |
| 2,4-Dinitrotoluene | 10 | | | | | | | | | | |
| Diethylphthalate | 10 | | | | | | | | | | |
| Fluorene | 10 | | | | | | | | | | |
| 4-Chlorophenyl-phenyl ether | 10 | | | | | | | | | | |
| 4-Nitroaniline | 25 | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 25 | | | | | | | | | | |
| N-Nitrosodiphenylamine | 10 | | | | | | | | | | |
| 4-Bromophenyl-phenylether | 10 | | | | | | | | | | |
| Hexachlorobenzene | 10 | | | | | | | | | | |
| Atrazine | 10 | | UJ | | UJ | | UJ | | UJ | | UJ |
| Pentachlorophenol | 25 | | | | | | | | | | UJ |
| Phenanthrene | 10 | | | | | | | | | | |
| Anthracene | 10 | | | | | | | | | | |
| Carbazole | 10 | | | | | | | | | | |
| Di-n-butylphthalate | 10 | | | | | | | | | | |
| Fluoranthene | 10 | | | | | | | | | | |
| Pyrene | 10 | | | | | | | | | | |
| Butylbenzylphthalate | 10 | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | 10 | | | | | | | | | | |
| Benzo(a)anthracene | 10 | | | | | | | | | | |
| Chrysene | 10 | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 | 3 | J | | | | | | | | |
| Di-n-octylphthalate | 10 | | | | | | | | | | |
| Benzo(b)fluoranthene | 10 | | | | | | | | | | |
| Benzo(k)fluoranthene | 10 | | | | | | | | | | |
| Benzo(a)pyrene | 10 | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 10 | | | | | | | | | | |
| Dibenzo(a,h)anthracene | 10 | | | | | | | | | | |
| Benzo(g,h)perylene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

Case #: 34031

SDG : C0162

Number of Soil Samples : 0

Site :

BIG JOHN'S HOULT RD

Number of Water Samples : 14

Lab. :

LIBRTY

| Sample Number : | C00L8 | C00L9 | C0016 | C0017 | C0022 | | | | | | |
|-----------------------------------|-------------------|-------------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-SW-UT1-8-0405 | BJS-SW-UT1-9-0405 | BJS-MW02B-0405 | BJS-MW02C-0405 | BJS-MW04B-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/8/2005 | 4/8/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 10:45 | 08:10 | 10:35 | 09:05 | 10:40 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.05 | 1.0 | | | | | | |
| Semivolatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 10 | | | | | | | | | | |
| Phenol | 10 | 2 | J | 5 | J | | | | | | |
| bis(2-Chloro-1-methylethyl) ether | 10 | | | | | | | | | | |
| 2-Chlorophenol | 10 | | | | | | | | | | |
| 2-Methylphenol | 10 | | | | | | | | | | |
| Bis(2-chloro-1-Chloropropane) | 10 | | | | | | | | | | |
| Acetophenone | 10 | | | 2 | J | | | | | | |
| 4-Methylphenol | 10 | | | | | | | | | | |
| N-Nitroso-di-n-propylamine | 10 | | | | | | | | | | |
| Hexachloroethane | 10 | | | | | | | | | | |
| Nitrobenzene | 10 | | | | | | | | | | |
| Isophorone | 10 | | | | | | | | | | |
| 2-Nitrophenol | 10 | | | | | | | | | | |
| 2,4-Dimethylphenol | 10 | | | | | | | | | | |
| bis(2-Chloroethoxy)methane | 10 | | | | | | | | | | |
| 2,4-Dichlorophenol | 10 | | | | | | | | | | |
| Naphthalene | 10 | 5 | J | | | | | | | | |
| 4-Chloroaniline | 10 | | | | | | | | | | |
| Hexachlorobutadiene | 10 | | | | | | | | | | |
| Caprolactam | 10 | | | | | | | | | | |
| 4-chloro-3-methylphenol | 10 | | | | | | | | | | |
| 2-Methylnaphthalene | 10 | | | | | | | | | | |
| Hexachlorocyclopentadiene | 10 | | UJ | | UJ | | UJ | | | | |
| 2,4,6-Trichlorophenol | 10 | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 25 | | | | | | | | | | |
| 1,1'-Biphenyl | 10 | | | | | | | | | | |
| 2-Chloronaphthalene | 10 | | | | | | | | | | |
| 2-Nitroaniline | 25 | | | | | | | | | | |
| Dimethylphthalate | 10 | | | | | | | | | | |
| 2,6-Dinitrotoluene | 10 | | | | | | | | | | |
| Acenaphthylene | 10 | | | | | | | | | | |
| 3-Nitroaniline | 25 | | | | | | | | | | |

ORIGINAL

Case #: 34031
 Site :
 Lab. :

SDG : C0162
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C00L8 | C00L9 | C0016 | C0017 | C0022 | | | | | | |
|-----------------------------|-------------------|-------------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-SW-UT1-8-0405 | BJS-SW-UT1-9-0405 | BJS-MW02B-0405 | BJS-MW02C-0405 | BJS-MW04B-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/8/2005 | 4/8/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 10:45 | 08:10 | 10:35 | 09:05 | 10:40 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.05 | 1.0 | | | | | | |
| Semivolatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Aceanaphthene | 10 | | | | | | | | | | |
| 2,4-Dinitrophenol | 25 | | | | | | | | UJ | | UJ |
| 4-Nitrophenol | 25 | | | | | | | | | | |
| Dibenzofuran | 10 | | | | | | | | | | |
| 2,4-Dinitrotoluene | 10 | | | | | | | | | | |
| Diethylphthalate | 10 | | | | | | | | | | |
| Fluorene | 10 | | | | | | | | | | |
| 4-Chlorophenyl-phenyl ether | 10 | | | | | | | | | | |
| 4-Nitroaniline | 25 | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 25 | | | | | | | | | | |
| N-Nitrosodiphenylamine | 10 | | | | | | | | | | |
| 4-Bromophenyl-phenylether | 10 | | | | | | | | | | |
| Hexachlorobenzene | 10 | | | | | | | | | | |
| Atrazine | 10 | | UJ | | UJ | | UJ | | UJ | | UJ |
| Pentachlorophenol | 25 | | | | | | | | | | |
| Phenanthrene | 10 | | | | | | | | | | |
| Anthracene | 10 | | | | | | | | | | |
| Carbazole | 10 | | | | | | | | | | |
| Dibutylphthalate | 10 | | | | | | | | | | |
| Fluoranthene | 10 | | | | | | | | | | |
| Pyrene | 10 | | | | | | | | | | |
| Butylbenzylphthalate | 10 | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | 10 | | | | | | | | | | |
| Benzo(a)anthracene | 10 | | | | | | | | | | |
| Chrysene | 10 | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 | 17 | | | | | | | | | |
| Dinonylphthalate | 10 | | | | | | | | | | |
| Benzo(b)fluoranthene | 10 | | | | | | | | | | |
| Benzo(k)fluoranthene | 10 | | | | | | | | | | |
| Benzo(a)pyrene | 10 | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 10 | | | | | | | | | | |
| Dibenzo(a,h)anthracene | 10 | | | | | | | | | | |
| Benzo(g,h,i)perylene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0023 | C0028 | C0030 | C0041 | C0044 | | | | | | |
|------------------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW04C-0405 | BJS-MW06B-0405 | BJS-MW06C-0405 | BJS-MW11B-0405 | BJS-MW12C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/11/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 12:50 | 13:30 | 13:00 | 12:30 | 10:15 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.05 | 1.0 | | | | | | |
| Semivolatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 10 | | | | | | | | | | |
| Phenol | 10 | | | | | | | | | | |
| bis-(2-Chloro-1-methylethyl) ether | 10 | | | | | | | | | | |
| 2-Chlorophenol | 10 | | | | | | | | | | |
| 2-Methylphenol | 10 | | | | | | | | | | |
| Bis(2-chloro-1-Chloropropane) | 10 | | | | | | | | | | |
| Acetophenone | 10 | | | | | | | | | | |
| 4-Methylphenol | 10 | | | | | | | | | | |
| N-Nitroso-Di-n-propylamine | 10 | | | | | | | | | | |
| Hexachloroethane | 10 | | | | | | | | | | |
| Nitrobenzene | 10 | | | | | | | | | | |
| Isophorone | 10 | | | | | | | | | | |
| 2-Nitrophenol | 10 | | | | | | | | | | |
| 2,4-Dimethylphenol | 10 | | | | | | | | | | |
| Bis(2-Chloroethoxy)methane | 10 | | | | | | | | | | |
| 2,4-Dichlorophenol | 10 | | | | | | | | | | |
| Naphthalene | 10 | | | | | | | | | | |
| 4-Chloroaniline | 10 | | | | | | | | | | |
| Hexachlorobutadiene | 10 | | | | | | | | | | |
| Caprolactam | 10 | | | | | | | | | | |
| 4-Chloro-3-methylphenol | 10 | | | | | | | | | | |
| 2-Methylnaphthalene | 10 | | | | | | | | | | |
| Hexachlorocyclopentadiene | 10 | | | | | | | | | | |
| 2,4,6-Trichlorophenol | 10 | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 25 | | | | | | | | | | |
| 1,1'-Biphenyl | 10 | | | | | | | | | | |
| 2-Chloronaphthalene | 10 | | | | | | | | | | |
| 2-Nitroaniline | 25 | | | | | | | | | | |
| Dimethylphthalate | 10 | | | | | | | | | | |
| 2,6-Dinitrotoluene | 10 | | | | | | | | | | |
| Acenaphthylene | 10 | | | | | | | | | | |
| 3-Nitroaniline | 25 | | | | | | | | | | |

ORIGINAL

Case #: 34031
 Site :
 Lab. :

SDG : C0162
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0023 | C0028 | C0030 | C0041 | C0044 | | | | | | |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW04C-0405 | BJS-MW06B-0405 | BJS-MW06C-0405 | BJS-MW11B-0405 | BJS-MW12C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/11/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 12:50 | 13:30 | 13:00 | 12:30 | 10:15 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.05 | 1.0 | | | | | | |
| Semivolatle Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Acenaphthene | 10 | | | | | | | | | | |
| 2,4-Dinitrophenol | 25 | | | | | | UJ | | UJ | | UJ |
| 4-Nitrophenol | 25 | | | | | | | | | | |
| Dibenzofuran | 10 | | | | | | | | | | |
| 2,4-Dinitrotoluene | 10 | | | | | | | | | | |
| Diethylphthalate | 10 | | | | | | | | | | |
| Fluorene | 10 | | | | | | | | | | |
| 4-Chlorophenyl-phenyl ether | 10 | | | | | | | | | | |
| 4-Nitroaniline | 25 | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 25 | | | | | | | | | | |
| N-Nitrosodiphenylamine | 10 | | | | | | | | | | |
| 4-Bromophenyl-phenylether | 10 | | | | | | | | | | |
| Hexachlorobenzene | 10 | | | | | | | | | | |
| Atrazine | 10 | | UJ | | UJ | | UJ | | UJ | | UJ |
| Pentachlorophenol | 25 | | | | | | | | | | |
| Phenanthrene | 10 | | | | | | | | | | |
| Anthracene | 10 | | | | | | | | | | |
| Carbazole | 10 | | | | | | | | | | |
| Di-n-butylphthalate | 10 | | | | | | | | | | |
| Fluoranthene | 10 | | | | | | | | | | |
| Pyrene | 10 | | | | | | | | | | |
| Butylbenzylphthalate | 10 | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | 10 | | | | | | | | | | |
| Benzo(a)anthracene | 10 | | | | | | | | | | |
| Chrysene | 10 | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 | | | | | | | | | | |
| Di-n-Octylphthalate | 10 | | | | | | | | | | |
| Benzo(b)fluoranthene | 10 | | | | | | | | | | |
| Benzo(k)fluoranthene | 10 | | | | | | | | | | |
| Benzo(a)pyrene | 10 | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 10 | | | | | | | | | | |
| Dibenzo(a,h)anthracene | 10 | | | | | | | | | | |
| Benzo(g,h,i)perylene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

ORIGINAL

Case #: 34031

SDG : C0162

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0055 | C0056 | C0188 | C0189 | | | | | | | |
|-------------------------------|----------------|----------------|---------------|---------------|------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW17B-0405 | BJS-MW17C-0405 | EQ-SD1-0405 | EQ-SW1-0405 | | | | | | | |
| Field QC : | | | Rinsate Blank | Rinsate Blank | | | | | | | |
| Matrix : | Water | Water | Water | Water | | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/11/2005 | 4/11/2005 | | | | | | | |
| Time Sampled : | 09:40 | 09:00 | 14:30 | 14:00 | | | | | | | |
| Dilution Factor : | 0.95 | 1.0 | 1.08 | 0.98 | | | | | | | |
| Semivolatile Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 10 | | | | | | | | | | |
| Phenol | 10 | | | | | | | | | | |
| bis(2-Chloro-1-methyl) ether | 10 | | | | | | | | | | |
| 2-Chlorophenol | 10 | | | | | | | | | | |
| 2-Methylphenol | 10 | | | | | | | | | | |
| Bis(2-chloro-1-Chloropropane) | 10 | | | | | | | | | | |
| Acetophenone | 10 | | | | | | | | | | |
| 4-Methylphenol | 10 | | | | | | | | | | |
| N-Nitroso-di-n-propylamine | 10 | | | | | | | | | | |
| Hexachloroethane | 10 | | | | | | | | | | |
| Nitrobenzene | 10 | | | | | | | | | | |
| Isophorone | 10 | | | | | | | | | | |
| 2-Nitrophenol | 10 | | | | | | | | | | |
| 2,4-Dimethylphenol | 10 | | | | | | | | | | |
| bis(2-Chloroethoxy)methane | 10 | | | | | | | | | | |
| 2,4-Dichlorophenol | 10 | | | | | | | | | | |
| Naphthalene | 10 | | | | | | | | | | |
| 4-Chloroaniline | 10 | | | | | | | | | | |
| Hexachlorobutadiene | 10 | | | | | | | | | | |
| Caprolactam | 10 | | | | | | | | | | |
| 4-Chloro-3-methylphenol | 10 | | | | | | | | | | |
| 2-Methylnaphthalene | 10 | | | | | | | | | | |
| Hexachlorocyclopentadiene | 10 | | | | | | | | | | |
| 2,4,6-Trichlorophenol | 10 | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 25 | | | | | | | | | | |
| 1,1'-Biphenyl | 10 | | | | | | | | | | |
| 2-Chloronaphthalene | 10 | | | | | | | | | | |
| 2-Nitroaniline | 25 | | | | | | | | | | |
| Diphenylmethane | 10 | | | | | | | | | | |
| 2,6-Dinitrotoluene | 10 | | | | | | | | | | |
| Acenaphthylene | 10 | | | | | | | | | | |
| 3-Nitroaniline | 25 | | | | | | | | | | |

ORIGINAL

Case #: 34031
 Site :
 Lab. :

SDG : C0162
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0055 | C0056 | C0188 | C0189 | | | | | | | |
|-----------------------------|----------------|----------------|---------------|---------------|------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW17B-0405 | BJS-MW17C-0405 | EQ-SD1-0405 | EQ-SW1-0405 | | | | | | | |
| Field QC : | | | Rinsate Blank | Rinsate Blank | | | | | | | |
| Matrix : | Water | Water | Water | Water | | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/11/2005 | 4/11/2005 | | | | | | | |
| Time Sampled : | 09:40 | 09:00 | 14:30 | 14:00 | | | | | | | |
| Dilution Factor : | 0.95 | 1.0 | 1.08 | 0.98 | | | | | | | |
| Semivolatle Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Acetaphthene | 10 | | | | | | | | | | |
| 2,4-Dinitrophenol | 25 | | UJ | | UJ | | UJ | | UJ | | |
| 4-Nitrophenol | 25 | | | | | | | | | | |
| Dibenzofuran | 10 | | | | | | | | | | |
| 2,4-Dinitrotoluene | 10 | | | | | | | | | | |
| Diethylphthalate | 10 | | | | | | | | | | |
| Fluorene | 10 | | | | | | | | | | |
| 4-Chlorophenyl-phenyl ether | 10 | | | | | | | | | | |
| 4-Nitroaniline | 25 | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | 25 | | | | | | | | | | |
| N-Nitrosodiphenylamine | 10 | | | | | | | | | | |
| 4-Bromophenyl-phenylether | 10 | | | | | | | | | | |
| Hexachlorobenzene | 10 | | | | | | | | | | |
| Atrazine | 10 | | UJ | | UJ | | UJ | | UJ | | |
| Pentachlorophenol | 25 | | | | | | | | | | |
| Phenanthrene | 10 | | | | | | | | | | |
| Anthracene | 10 | | | | | | | | | | |
| Carbazole | 10 | | | | | | | | | | |
| Dibutylphthalate | 10 | | | | | | | | | | |
| Fluoranthene | 10 | | | | | | | | | | |
| Pyrene | 10 | | | | | | | | | | |
| Butylbenzylphthalate | 10 | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | 10 | | | | | | | | | | |
| Benzo(a)anthracene | 10 | | | | | | | | | | |
| Chrysene | 10 | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 | | | | | | | | | | |
| Dioctylphthalate | 10 | | | | | | | | | | |
| Benzo(b)fluoranthene | 10 | | | | | | | | | | |
| Benzo(k)fluoranthene | 10 | | | | | | | | | | |
| Benzo(a)pyrene | 10 | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 10 | | | | | | | | | | |
| Dibenzo(a,h)anthracene | 10 | | | | | | | | | | |
| Benzo(g,h,i)perylene | 10 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: PESTICIDES AND PCBs

ORIGINAL

Case #: 34031

SDG : C0011

Number of Soil Samples : 0

Site :

BIG JOHN'S HOULT RD

Number of Water Samples : 20

Lab. :

LIBRTY

| Sample Number : | C0011 | C0012 | C0013 | C0014 | C0019 | | | | | | |
|------------------------|-----------------|-----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW01A1-0405 | BJS-MW01A2-0405 | BJS-MW01B-0405 | BJS-MW01C-0405 | BJS-MW03B-0405 | | | | | | |
| Field QC : | | | | Dup. of C0059 | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/12/2005 | | | | | | |
| Time Sampled : | 11:10 | 10:15 | 12:00 | 08:55 | 15:25 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Pesticide/PCB Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 0.050 | | | | | | | | | | |
| beta-BHC | 0.050 | | | 0.016 | J | | | | | | |
| delta-BHC | 0.050 | | | | | | | | | | |
| *gamma-BHC (Lindane) | 0.050 | | | | | | | | | | |
| *Heptachlor | 0.050 | | | | | | | | | | |
| Aldrin | 0.050 | | | | | | | | | | |
| Heptachlor epoxide | 0.050 | | | | | | | | | | |
| Endosulfan I | 0.050 | | | | | | | | | | |
| Dieldrin | 0.10 | | | | | | | | | | |
| 4,4'-DDE | 0.10 | | | | | | | | | | |
| Endrin | 0.10 | | | | | | | | | | |
| Endosulfan II | 0.10 | | | | | | | | | | |
| 4,4'-DDT | 0.10 | | | | | | | | | | |
| Endosulfan sulfate | 0.10 | | | | | | | | | | |
| 4,4'-DDT | 0.10 | | | | | | | | | | |
| *Methoxychlor | 0.50 | | | | | | | | | | |
| Endrin ketone | 0.10 | | | | | | | | | | |
| Endrin aldehyde | 0.10 | | | | | | | | | | |
| alpha-Chlordane | 0.050 | | | | | | | | | | |
| gamma-Chlordane | 0.050 | | | | | | | | | | |
| Toxaphene | 5.0 | | | | | | | | | | |
| *Aroclor-1016 | 1.0 | | | | | | | | | | |
| *Aroclor-1221 | 2.0 | | | | | | | | | | |
| *Aroclor-1232 | 1.0 | | | | | | | | | | |
| *Aroclor-1242 | 1.0 | | | | | | | | | | |
| *Aroclor-1248 | 1.0 | | | | | | | | | | |
| *Aroclor-1254 | 1.0 | | | | | | | | | | |
| *Aroclor-1260 | 1.0 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

ORIGINAL

DATA SUMMARY FORM: PESTICIDES AND PCBs

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0020 | C0025 | C0026 | C0031 | C0032 | | | | | | |
|------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW03C-0405 | BJS-MW05B-0405 | BJS-MW05C-0405 | BJS-MW07B-0405 | BJS-MW07C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/12/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 16:15 | 12:20 | 17:00 | 15:45 | 14:30 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Pesticide/PCB Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 0.050 | | UJ | | | | UJ | | | | |
| beta-BHC | 0.050 | | UJ | | | | UJ | | | | |
| delta-BHC | 0.050 | | UJ | | | | UJ | | | | |
| *gamma-BHC (Lindane) | 0.050 | | UJ | | | | UJ | | | | |
| *Heptachlor | 0.050 | | UJ | | | | UJ | | | | |
| Aldrin | 0.050 | | UJ | | | | UJ | | | | |
| Heptachlor epoxide | 0.050 | | UJ | | | | UJ | | | | |
| Endosulfan I | 0.050 | | UJ | | | | UJ | | | | |
| Dieldrin | 0.10 | | UJ | | | | UJ | | | | |
| 4,4'-DDE | 0.10 | | UJ | | | | UJ | | | | |
| Endrin | 0.10 | | UJ | | | | UJ | | | | |
| Endosulfan II | 0.10 | | UJ | | | | UJ | | | | |
| 4,4'-DDD | 0.10 | | UJ | | | | UJ | | | | |
| Endosulfan sulfate | 0.10 | | UJ | | | | UJ | | | | |
| 4,4'-DDT | 0.10 | | UJ | | | | UJ | | | | |
| *Methoxychlor | 0.50 | | UJ | | | | UJ | | | | |
| Endrin ketone | 0.10 | | UJ | | | | UJ | | | | |
| Endrin aldehyde | 0.10 | | UJ | | | | UJ | | | | |
| alpha-Chlordane | 0.050 | | UJ | | | | UJ | | | | |
| gamma-Chlordane | 0.050 | | UJ | | | | UJ | | | | |
| Toxaphene | 5.0 | | UJ | | | | UJ | | | | |
| *Aroclor-1016 | 1.0 | | UJ | | | | UJ | | | | |
| *Aroclor-1221 | 2.0 | | UJ | | | | UJ | | | | |
| *Aroclor-1232 | 1.0 | | UJ | | | | UJ | | | | |
| *Aroclor-1242 | 1.0 | | UJ | | | | UJ | | | | |
| *Aroclor-1248 | 1.0 | | UJ | | | | UJ | | | | |
| *Aroclor-1254 | 1.0 | | UJ | | | | UJ | | | | |
| *Aroclor-1260 | 1.0 | | UJ | | | | UJ | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: PESTICIDES AND PCBs

Case #: 34031
 Site :
 Lab. :

SDG : C0011
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0036 | C0037 | C0038 | C0039 | C0051 | | | | | | |
|------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW09B-0405 | BJS-MW09C-0405 | BJS-MW10B-0405 | BJS-MW10C-0405 | BJS-MW15B-0405 | | | | | | |
| Field QC : | | | | Dup. of C0058 | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/12/2005 | | | | | | |
| Time Sampled : | 11:15 | 12:05 | 13:05 | 08:45 | 16:15 | | | | | | |
| Dilution Factor : | 1.08 | 1.0 | 1.05 | 1.0 | 1.0 | | | | | | |
| Pesticide/PCB Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 0.050 | | | | | | | | | | |
| beta-BHC | 0.050 | | | | | | | | | | |
| delta-BHC | 0.050 | | | | | | | | | | |
| *gamma-BHC (Lindane) | 0.050 | | | | | | | | | | |
| Heptachlor | 0.050 | | | | | | | | | | |
| Aldrin | 0.050 | | | | | | | | | | |
| Heptachlor epoxide | 0.050 | | | | | | | | | | |
| Endosulfan I | 0.050 | | | | | | | | | | |
| Dieldrin | 0.10 | | | | | | | | | | |
| 4,4'-DDE | 0.10 | | | | | | | | | | |
| Endrin | 0.10 | | | | | | | | | | |
| Endosulfan II | 0.10 | | | | | | | | | | |
| 4,4'-DDD | 0.10 | | | | | | | | | | |
| Endosulfan sulfate | 0.10 | | | | | | | | | | |
| 4,4'-DDT | 0.10 | | | | | | | | | | |
| *Methoxychlor | 0.50 | | | | | | | | | | |
| Endrin ketone | 0.10 | | | | | | | | | | |
| Endrin aldehyde | 0.10 | | | | | | | | | | |
| alpha-Chlordane | 0.050 | | | | | | | | | | |
| gamma-Chlordane | 0.050 | | | | | | | | | | |
| Toxaphene | 0.10 | | | | | | | | | | |
| *Aroclor-1016 | 1.0 | | | | | | | | | | |
| *Aroclor-1221 | 2.0 | | | | | | | | | | |
| *Aroclor-1232 | 1.0 | | | | | | | | | | |
| *Aroclor-1242 | 1.0 | | | | | | | | | | |
| *Aroclor-1248 | 1.0 | | | | | | | | | | |
| *Aroclor-1254 | 1.0 | | | | | | | | | | |
| *Aroclor-1260 | 1.0 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

ORIENT

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 34031

SDG : C0011

Site :

BIG JOHN'S HOULT RD

Lab. :

LIBRTY

| Sample Number : | C0052 | C0053 | C0054 | C0058 | C0059 | | | | | | |
|------------------------|----------------|----------------|----------------|---------------|---------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW15C-0405 | BJS-MW16B-0405 | BJS-MW16C-0405 | BJS-MW19-0405 | BJS-MW20-0405 | | | | | | |
| Field QC : | | | | Dup. of C0039 | Dup. of C0014 | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/12/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | 4/13/2005 | | | | | | |
| Time Sampled : | 17:00 | 16:10 | 14:30 | 08:00 | 09:20 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.05 | 1.0 | | | | | | |
| Pesticide/PCB Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 0.050 | | | | | | | | | | |
| beta-BHC | 0.050 | | | | | | | | | | |
| delta-BHC | 0.050 | | | | | | | | | | |
| *gamma-BHC (Lindane) | 0.050 | | | | | | | | | | |
| Heptachlor | 0.050 | | | | | | | | | | |
| Aldrin | 0.050 | | | | | | | | | | |
| Heptachlor epoxide | 0.050 | | | | | | | | | | |
| Endosulfan I | 0.050 | | | | | | | | | | |
| Dieldrin | 0.10 | | | | | | | | | | |
| 4,4'-DDE | 0.10 | | | | | | | | | | |
| Endrin | 0.10 | | | | | | | | | | |
| Endosulfan II | 0.10 | | | | | | | | | | |
| 4,4'-DDD | 0.10 | | | | | | | | | | |
| Endosulfan sulfate | 0.10 | | | | | | | | | | |
| 4,4'-DDT | 0.10 | | | | | | | | | | |
| *Methoxychlor | 0.50 | | | | | | | | | | |
| Endrin ketone | 0.10 | | | | | | | | | | |
| Endrin aldehyde | 0.10 | | | | | | | | | | |
| alpha-Chlordane | 0.050 | | | | | | | | | | |
| gamma-Chlordane | 0.050 | | | | | | | | | | |
| Toxaphene | 5.0 | | | | | | | | | | |
| *Aroclor-1016 | 1.0 | | | | | | | | | | |
| *Aroclor-1221 | 2.0 | | | | | | | | | | |
| *Aroclor-1232 | 1.0 | | | | | | | | | | |
| *Aroclor-1242 | 1.0 | | | | | | | | | | |
| *Aroclor-1248 | 1.0 | | | | | | | | | | |
| *Aroclor-1254 | 1.0 | | | | | | | | | | |
| *Aroclor-1260 | 1.0 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: PESTICIDES AND PCBS

ORIGINAL

Case #: 34031

SDG : C0162

Number of Soil Samples : 0

Site :

BIG JOHN'S HOULT RD

Number of Water Samples : 14

Lab. :

LIBRTY

| Sample Number : | C00L8 | C00L9 | C0016 | C0017 | C0022 | | | | | | |
|------------------------|-------------------|-------------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-SW-UT1-8-0405 | BJS-SW-UT1-9-0405 | BJS-MW02B-0405 | BJS-MW02C-0405 | BJS-MW04B-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/8/2005 | 4/8/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 10:45 | 08:10 | 10:35 | 09:05 | 10:40 | | | | | | |
| Dilution Factor : | 1.0 | 1.03 | 0.98 | 1.05 | 0.95 | | | | | | |
| Pesticide/PCB Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 0.050 | | | | | | UJ | | | | R |
| beta-BHC | 0.050 | | | | | | UJ | | | | R |
| delta-BHC | 0.050 | | | | | | UJ | | | | R |
| *gamma-BHC (Lindane) | 0.050 | | | | | | UJ | | | | R |
| Heptachlor | 0.050 | | | | | | UJ | | | | R |
| Aldrin | 0.050 | | | | | | UJ | | | | R |
| Heptachlor epoxide | 0.050 | | | | | | UJ | | | | R |
| Endosulfan I | 0.050 | | | | | | UJ | | | | R |
| Dieldrin | 0.10 | | | | | | UJ | | | | R |
| 4,4'-DDE | 0.10 | | | | | | UJ | | | | R |
| Endrin | 0.10 | | | | | | UJ | | | | R |
| Endosulfan II | 0.10 | | | | | | UJ | | | | R |
| 4,4'-DDT | 0.10 | | | | | | UJ | | | | R |
| Endosulfan sulfate | 0.10 | | | | | | UJ | | | | R |
| 4,4'-DDT | 0.10 | | | | | | UJ | | | | R |
| *Methoxychlor | 0.50 | | | | | | UJ | | | | R |
| Endrin ketone | 0.10 | | | | | | UJ | | | | R |
| Endrin aldehyde | 0.10 | | | | | | UJ | | | | R |
| alpha-Chlordane | 0.050 | | | | | | UJ | | | | R |
| gamma-Chlordane | 0.050 | | | | | | UJ | | | | R |
| Toxaphene | 5.0 | | | | | | UJ | | | | R |
| *Aroclor-1016 | 1.0 | | | | | | UJ | | | | R |
| Aroclor-1221 | 2.0 | | | | | | UJ | | | | R |
| *Aroclor-1232 | 1.0 | | | | | | UJ | | | | R |
| Aroclor-1242 | 1.0 | | | | | | UJ | | | | R |
| *Aroclor-1248 | 1.0 | | | | | | UJ | | | | R |
| Aroclor-1254 | 1.0 | | | | | | UJ | | | | R |
| *Aroclor-1260 | 1.0 | | | | | | UJ | | | | R |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: PESTICIDES AND PCBS

ORIGINAL

Case #: 34031
 Site :
 Lab. :

SDG : C0162
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0023 | C0028 | C0030 | C0041 | C0044 | | | | | | |
|------------------------|----------------|----------------|----------------|----------------|----------------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW04C-0405 | BJS-MW06B-0405 | BJS-MW06C-0405 | BJS-MW11B-0405 | BJS-MW12C-0405 | | | | | | |
| Field QC : | | | | | | | | | | | |
| Matrix : | Water | Water | Water | Water | Water | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | |
| Date Sampled : | 4/11/2005 | 4/12/2005 | 4/12/2005 | 4/11/2005 | 4/11/2005 | | | | | | |
| Time Sampled : | 12:50 | 13:30 | 13:00 | 12:30 | 10:15 | | | | | | |
| Dilution Factor : | 0.95 | 0.98 | 0.93 | 0.93 | 0.95 | | | | | | |
| Pesticide/PCB Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 0.050 | | | | UJ | | | | | | |
| beta-BHC | 0.050 | | | | UJ | | | | | | |
| delta-BHC | 0.050 | | | | UJ | | | | | | |
| *gamma-BHC (Lindane) | 0.050 | | | | UJ | | | | | | |
| Heptachlor | 0.050 | | | | UJ | | | | | | |
| Aldrin | 0.050 | | | | UJ | | | | | | |
| Heptachlor epoxide | 0.050 | | | | UJ | | | | | | |
| Endosulfan I | 0.050 | | | | UJ | | | | | | |
| Dieldrin | 0.10 | | | | UJ | | | | | | |
| 4,4'-DDE | 0.10 | | | | UJ | | | | | | |
| Endrin | 0.10 | | | | UJ | | | | | | |
| Endosulfan II | 0.10 | | | | UJ | | | | | | |
| 4,4'-DDD | 0.10 | | | | UJ | | | | | | |
| Endosulfan sulfate | 0.10 | | | | UJ | | | | | | |
| 4,4'-DDT | 0.10 | | | | UJ | | | | | | |
| *Methoxychlor | 0.50 | | | | UJ | | | | | | |
| Endrin ketone | 0.10 | | | | UJ | | | | | | |
| Endrin aldehyde | 0.10 | | | | UJ | | | | | | |
| alpha-Chlordane | 0.050 | | | | UJ | | | | | | |
| gamma-Chlordane | 0.050 | | | | UJ | | | | | | |
| Toxaphene | 5.0 | | | | UJ | | | | | | |
| *Aroclor-1016 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1221 | 2.0 | | | | UJ | | | | | | |
| *Aroclor-1232 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1242 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1248 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1254 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1260 | 1.0 | | | | UJ | | | | | | |

CRQL = Contract Required Quantitation Limit
 To calculate sample quantitation limits: (CRQL * Dilution Factor)

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

Revised 09/99

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 34031
 Site :
 Lab. :

SDG : C0162
 BIG JOHN'S HOULT RD
 LIBRTY

| Sample Number : | C0055 | C0056 | C0188 | C0189 | | | | | | | |
|------------------------|----------------|----------------|---------------|---------------|------|--------|------|--------|------|--------|------|
| Sampling Location : | BJS-MW17B-0405 | BJS-MW17C-0405 | EQ-SD1-0405 | EQ-SW1-0405 | | | | | | | |
| Field QC : | | | Rinsate Blank | Rinsate Blank | | | | | | | |
| Matrix : | Water | Water | Water | Water | | | | | | | |
| Units : | ug/L | ug/L | ug/L | ug/L | | | | | | | |
| Date Sampled : | 4/12/2005 | 4/12/2005 | 4/11/2005 | 4/11/2005 | | | | | | | |
| Time Sampled : | 09:40 | 09:00 | 14:30 | 14:00 | | | | | | | |
| Dilution Factor : | 0.93 | 0.98 | 1.0 | 0.93 | | | | | | | |
| Pesticide/PCB Compound | CRQL | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 0.050 | | | | UJ | | | | | | |
| beta-BHC | 0.050 | | | | UJ | | | | | | |
| delta-BHC | 0.050 | | | | UJ | | | | | | |
| *gamma-BHC (Lindane) | 0.050 | | | | UJ | | | | | | |
| Heptachlor | 0.050 | | | | UJ | | | | | | |
| Aldrin | 0.050 | | | | UJ | | | | | | |
| Heptachlor epoxide | 0.050 | | | | UJ | | | | | | |
| Endosulfan I | 0.050 | | | | UJ | | | | | | |
| Dieldrin | 0.10 | | | | UJ | | | | | | |
| 4,4'-DDE | 0.10 | | | | UJ | | | | | | |
| Endrin | 0.10 | | | | UJ | | | | | | |
| Endosulfan II | 0.10 | | | | UJ | | | | | | |
| 4,4'-DDD | 0.10 | | | | UJ | | | | | | |
| Endosulfan sulfate | 0.10 | | | | UJ | | | | | | |
| 4,4'-DDT | 0.10 | | | | UJ | | | | | | |
| *Methoxychlor | 0.50 | | | | UJ | | | | | | |
| Endrin ketone | 0.10 | | | | UJ | | | | | | |
| Endrin aldehyde | 0.10 | | | | UJ | | | | | | |
| alpha-Chlordane | 0.050 | | | | UJ | | | | | | |
| gamma-Chlordane | 0.050 | | | | UJ | | | | | | |
| Toxaphene | 5.0 | | | | UJ | | | | | | |
| *Aroclor-1016 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1221 | 2.0 | | | | UJ | | | | | | |
| *Aroclor-1232 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1242 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1248 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1254 | 1.0 | | | | UJ | | | | | | |
| *Aroclor-1260 | 1.0 | | | | UJ | | | | | | |

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

Appendix C

Tentatively Identified Compounds (TICs)

ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0014

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628904

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628904RA55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/22/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.10 | 6 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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su 05/10/05

ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0019

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628905

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628905A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/21/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.12 | 7 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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SU 05110105

ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0020

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628906

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628906A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/22/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.15 | 10 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 24. | | | | |
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54 05110105

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0025

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628907

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628907A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/22/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|---------------------|-------|------------|----|
| -1. | LABORATORY ARTIFACT | 13.15 | 5 | J |
| -2. 496-11-7 | INDANE | 16.21 | 10 | NJ |
| 3. | LABORATORY ARTIFACT | 16.43 | 8 | J |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
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ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0026

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628908

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628908A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/22/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.12 | 6 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0039

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628914

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628914RB59

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/22/05

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN | 4.38 | 7 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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Original

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0051

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628915

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628915A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/22/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.13 | 5 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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54 05110105

ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0052

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628916

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628916B59

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/22/05

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-------------|--------------------------|-------|------------|-------|
| 1. 420-56-4 | SILANE, FLUOROTRIMETHYL- | 4.38 | 12 | NJ |
| 2. | UNKNOWN | 8.06 | 8 | J HB. |
| 3. | LABORATORY ARTIFACT | 13.23 | 6 | J |
| 4. | LABORATORY ARTIFACT | 14.86 | 5 | J |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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SU 05110105

ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0054

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628918

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628918B59

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/23/05

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN | 6.13 | 6 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
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ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0059

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628920

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 628920B59

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/23/05

GC Column: ZB624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN | 4.38 | 6 | J |
| 2. | | | | |
| 3. | | | | |
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ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0016

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0062

Matrix: (soil/water) WATER

Lab Sample ID: 622921

RA
4/25/05

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 622921A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/18/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.12 | 9 | J |
| 2. | LABORATORY ARTIFACT | 16.42 | 6 | J |
| 3. | | | | |
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COPY

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0017

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031 SAS No.:

SDG No.: C0062

Matrix: (soil/water) WATER

Lab Sample ID: 622922

1
RB
4/25/05

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 622922A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/18/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.11 | 7 | J |
| 2. | | | | |
| 3. | | | | |
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ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.:

C0023

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0062

Matrix: (soil/water) WATER

Lab Sample ID: 622924

RB
4/25/05

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 622924A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/18/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.11 | 11 | J |
| 2. | | | | |
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04/25/05

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0028

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0062

Matrix: (soil/water) WATER

Lab Sample ID: 622925

RB
4/25/05

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 622925A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/18/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.12 | 8 | J |
| 2. | | | | |
| 3. | | | | |
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su 05/10/05

C0041

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0041

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0062

Matrix: (soil/water) WATER

Lab Sample ID: 622919

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 622919A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/18/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

RB
4/25/05

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.14 | 11 | J |
| 2. | | | | |
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su 05/10/05

ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0055

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0062

4/25/05

Matrix: (soil/water) WATER

Lab Sample ID: 622927

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 622927A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/18/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|-----|
| 1. | LABORATORY ARTIFACT | 13.11 | | 7 J |
| 2. | | | | |
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ORIGINAL

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0056

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0062

Matrix: (soil/water) WATER

Lab Sample ID: 622928

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 622928A55

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: not dec. _____

Date Analyzed: 04/18/05

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------------|-------|------------|---|
| 1. | LABORATORY ARTIFACT | 13.11 | 11 | J |
| 2. | LABORATORY ARTIFACT | 16.43 | 13 | J |
| 3. | | | | |
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SU 05/10/05

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0011

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628901

Sample wt/vol: 1025 (g/mL) ML

Lab File ID: 628901A66

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/18/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/20/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.0

Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN | 19.43 | 2 | J |
| 2. | | | | |
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Original

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0020

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628906

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 628906JA66

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/18/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/21/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Extraction: (Type) CONT

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN | 9.00 | 3 | J |
| 2. | UNKNOWN | 23.50 | 2 | J |
| 3. | UNKNOWN | 24.30 | 2 | J |
| 4. | | | | |
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ORIGINAL

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0025

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628907

Sample wt/vol: 1050 (g/mL) ML

Lab File ID: 628907A66

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/18/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/20/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Extraction: (Type) CONT

Number TICs found: 5

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|-----------------------------|-------|------------|----|
| 1. 496-11-7 | INDANE | 10.83 | 6 | NJ |
| 2. | UNKNOWN | 13.46 | 2 | J |
| 3. 527-60-6 | PHENOL, 2,4,6-TRIMETHYL- | 14.31 | 2 | NJ |
| 4. 6351-10-6 | 1H-INDEN-1-OL, 2,3-DIHYDRO- | 14.69 | 3 | NJ |
| 5. | UNKNOWN | 15.63 | 3 | J |
| 6. | | | | |
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ORIGINAL

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0026

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628908

Sample wt/vol: 1025 (g/mL) ML

Lab File ID: 628908A66

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/18/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/20/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|--------------|-----------------------------|-------|------------|----|
| 1. 6351-10-6 | 1H-INDEN-1-OL, 2,3-DIHYDRO- | 14.70 | 2 | NJ |
| 2. | | | | |
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ORIGINAL

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0052

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628916

Sample wt/vol: 950 (g/mL) ML

Lab File ID: 628916A64

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/19/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/21/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN | 25.80 | 3 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

| |
|-------|
| C0054 |
|-------|

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0011

Matrix: (soil/water) WATER

Lab Sample ID: 628918

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 628918A66

Level: (low/med) LOW

Date Received: 04/14/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/18/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/20/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN | 12.40 | 3 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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ORIGINAL

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C00L8

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0162

Matrix: (soil/water) WATER

Lab Sample ID: 622902

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 622902B70

Level: (low/med) LOW

Date Received: 04/09/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/12/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/14/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN | 7.35 | 3 | J |
| 2. | | | | |
| 3. | | | | |
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1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C00L9

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0162

Matrix: (soil/water) WATER

Lab Sample ID: 622903

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 622903B70

Level: (low/med) LOW

Date Received: 04/09/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/12/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/14/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | UNKNOWN | 7.35 | 4 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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ORIGINAL

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0044

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0162

Matrix: (soil/water) WATER

Lab Sample ID: 622913

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 622913JA70

Level: (low/med) LOW

Date Received: 04/13/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/15/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/18/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Extraction: (Type) CONT

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|------|
| 1. | UNKNOWN | 7.28 | 4 | J |
| 2. | UNKNOWN | 8.22 | 4 | J RB |
| 3. | UNKNOWN | 13.05 | 5 | J |
| 4. | UNKNOWN | 21.06 | 3 | J |
| 5. | | | | |
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FORM I SV-TIC

SU 0519105

OLM04.2

ORIGINAL

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0055

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY

Case No.: 34031

SAS No.:

SDG No.: C0162

Matrix: (soil/water) WATER

Lab Sample ID: 622914

Sample wt/vol: 1050 (g/mL) ML

Lab File ID: 622914JA70

Level: (low/med) LOW

Date Received: 04/13/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/15/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/18/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN | 8.22 | 3 | J |
| 2. | | | | |
| 3. | | | | |
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FORM I SV-TIC

54 0511105

OLM04.2

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0189

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 34031

SAS No.:

SDG No.: C0162

Matrix: (soil/water) WATER

Lab Sample ID: 622917

Sample wt/vol: 1025 (g/mL) ML

Lab File ID: 622917A70

Level: (low/med) LOW

Date Received: 04/13/05

% Moisture: _____ Decanted: (Y/N) _____

Date Extracted: 04/15/05

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/18/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.0

Extraction: (Type) CONT

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|------------|---------------|-------|------------|-------|
| ===== | ===== | ===== | ===== | ===== |
| 1. | UNKNOWN | 8.22 | 2 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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ORIGINAL

PREVENTIVE MAINTENANCE

none

| FILE NAME | DATE | TIME | CHG ID | QTY | CONVERSION | REMARKS |
|------------------------|---------------|------|-----------|---------|------------|-------------------|
| BF050419A55 | 4/19/05 | 0819 | BFB | 2AL | 2473 | |
| CS050419A55 | 1/1 | 0857 | VSTD050YT | 10ml | | |
| 65951A55 | 1/1 | 0941 | VBLKFS | VARIOUS | | Method Lot #44337 |
| 622918A55 | 1/2 | 1102 | C0190 | 5ml | | Medium Level |
| 622904A55 | 1/1 | 1148 | VHBLKZI | ↓ | | |
| 629401A55 | SH 1/1 | 1218 | C0057 | 5ml | | |
| 629402A55 | 1/1 | 1249 | C00197 | ↓ | 5.15g | SM 4-19-05 |
| 622714DA55 | MeOH Ext. 1/1 | 1335 | C00A0 | 100uL | 4.8g | Medium Level |
| 622717DA55 | DW 1/1 | 1417 | C00A6 | ↓ | 5.25g | |
| 622718DA55 | DW 1/1 | 1500 | C00B0 | ↓ | 5.61g | |
| 629403A55 | IM SL 6/1 | 1610 | C0195 | 5ml | | |
| 629404A55 | 1/1 | 1639 | C0196 | | | |
| 629406A55 | 1/1 | 1710 | C0043 | | | |
| 629401RA55 | 1/2 | 1747 | C0057 | | | |
| 629403RA55 | 6/2 | 1818 | C00195 | | | |
| 66594A55 | SF 1/2 | 1938 | C0043 MS | | | |
| 66595A55 | OT 1/1 | | C0043 MSD | ↓ | | not run |
| JKO 4-19-05 | | | | | | |

10325

SUPERVISOR APPROVAL [Signature]

Date 4-19-05

*On-column sample aliquot
+Not applicable to soil matrix

Tune (ID #7008) Lot No. 63099

Calibration Group Code / Lot No. TN431

The presence of the Chemist's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

[Handwritten signature]

PREVENTIVE MAINTENANCE

none

| FILE NAME | pH | Vial | DATE | TIME | Client ID | SDG# | INT. VOL. | DEF. | CHEMIST | COMMENTS (ETC.) / DISPOSITION |
|------------------|----|-----------|---------|------|-----------|---------|-----------|------|---------|-------------------------------|
| BG050418A55 | - | - | 4/18/05 | 1129 | BFB | - | 2ul | - | 2473 | |
| CS050418A55 | - | - | / / | 1205 | VSTD050YD | - | 10ml | - | | |
| 65867A55 | - | - | / / | 1305 | VBLKEJ | VARIOUS | 10ml | - | | Medium Level MeOH Lot # 44327 |
| 622919A55 | 1 | 1 | / / | 1407 | C0041 | 6229 | 5ml | - | | |
| 622920A55 | 1 | 1 | / / | 1440 | C0044 | | | - | | |
| 622921A55 | 1 | 1 | / / | 1513 | C0016 | | | - | | |
| 622922A55 | 1 | 1 | / / | 1546 | C0017 | | | - | | |
| 622923A55 | 1 | 1 | / / | 1620 | C0022 | | | - | | |
| 622924A55 | 1 | 1 | / / | 1653 | C0023 | | | - | | |
| 622925A55 | 1 | 1 | / / | 1724 | C0028 | | | - | | |
| 622926A55 | 1 | 1 | / / | 1755 | C0030 | | | - | | |
| 622927A55 | 1 | 1 | / / | 1826 | C0055 | | | - | | |
| 622928A55 | 1 | 1 | / / | 1857 | C0056 | | | - | | |
| 622929A55 | 1 | 1 | / / | 1928 | C0188 | | | - | | |
| 622930A55 | 1 | 1 | / / | 1959 | C0189 | | | - | | |
| 622918A55 | SL | 1 | / / | 2030 | C0190 | | | - | | |
| 65870A55 | 1 | 2 | / / | 2101 | C0041MS | | | - | | |
| 65871A55 | 1 | 2 | / / | 2132 | C0041MSD | | | - | | |
| 622904A55 | OT | 1 | / / | - | VHBLKZI | ↓ | ↓ | - | | not run |
| 62180833A55 | - | MeOH Ext. | / / | 2203 | C00B7 | 6218 | 100ul | 4.0g | | MeOH Ext. - M. Level |
| 622904A55 | OT | 1 | / / | - | VHBLKZI | 6229 | 5ml | - | | not run |
| _____ | | | | | | | | | | |
| _____ | | | | | | | | | | |
| _____ | | | | | | | | | | |
| _____ | | | | | | | | | | |

100A

SUPERVISOR APPROVAL [Signature]

Date 2/19/05

*On-column sample aliquot
 +Not applicable to soil matrix

Tune (ID #7008) Lot No. 63099

Calibration Group Code / Lot No. TN431

The presence of the Chemist's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

ORIGINAL

PREVENTIVE MAINTENANCE

none

1933

| FILE NAME | DATE | TIME | Chemist | INSTR | INJECT | DETECT | REVISION | COMMENTS/REMARKS/ DISPOSITION |
|-------------|---------|------|-------------------|---------|--------|--------|---------------|--|
| BF050414A55 | 4/14/05 | 0814 | BFB | | | | 242, 2473 | |
| CS050414A55 | 1/1 | 0842 | VSTD050XN | | | | 10ml | |
| 64994A55 | 1/1 | 0931 | VBLKWS | VARIOUS | | | 100ml 10ml | Medium Level Tetrachloroethene 44337 6826ng |
| 616710A55 | 1/1 | 1012 | LS11-MW32D-RO1 | 6167 | | | 5ml | |
| 616711A55 | 1/1 | 1042 | LS11-MW34D-RO1 | | | | | |
| 616712A55 | 1/1 | 1143 | LS11-MW22D-RO1 | | | | | TC Ethene 1512ng |
| 616713A55 | 1/1 | 1143 | LS11-TB040505 | | | | | |
| 64997A55 | 1/2 | 1230 | LS11-MW16D-RO1MS | | | | | |
| 64998A55 | 1/2 | 1300 | LS11-MW16D-RO1MSD | | | | | |
| 616710DA55 | 1/3 | 1410 | LS11-MW32D-RO1 | | | | 350ul 14.28 | |
| 616712DA55 | 1/2 | 1440 | LS11-MW22D-RO1 | | | | 1.5ml 3.33 | |
| 616712D2A55 | 1/2 | 1530 | LS11-MW22D-RO1 | | | | | |
| 616706A55 | 1/2 | 1613 | VHBLKXR | | | | 5ml | |
| 622901A55 | 1/1 | 1643 | C0162 | 6229 | | | | |
| 622902A55 | 1/1 | 1713 | C00L8 | | | | | |
| 622903A55 | 1/1 | 1744 | C00L9 | | | | | |
| 622905A55 | 1/1 | 1814 | C0185 | | | | | |
| 625802A55 | 1/1 | 1857 | MW21 | 6258 | | | | 48,921ng set. o-xylene did not run |
| 625803A55 | 1/1 | | MW28 | | | | | |
| 625801A55 | 5/1 | | MW2A | | | | | |
| | | | | | | | | |
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SUPERVISOR APPROVAL [Signature]

Date 4-15-05

*On-column sample aliquot
 +Not applicable to soil matrix

Tune (ID #7008) Lot No. 63099

Calibration Group Code / Lot No. TN431

The presence of the Chemist's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist together with the chemist's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

ORIGINAL
 9/8/04:jae

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

ORIGINAL

SDG NARRATIVE

CASE # 34031

SDG # C0162

CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: C0156, C0016, C0017, C0022, C0023, C0028, C0030, C0055, C0056, C0188, C0189, C0041, C0044, C00L8, C00L9

The fifteen water samples listed above were scheduled for the requested analysis of the pesticide/PCB fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the pesticide/PCB fraction only. For the receiving information associated with these samples, please refer to the semivolatile SDG narrative. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # C0162 are included in the sample data sections.

Pesticides/PCBs

Extraction and analysis holding time requirements were met for all of these samples.

There were no pesticide and PCB analytes confirmed by dual column analysis above the Contract Required Quantitation Limit (CRQL) in any of these samples.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The associated method blanks met all quality control criteria.

All of the surrogates met recovery and retention time criteria in the analyses of these samples with the exception of samples C0016, C0028, C0056, C0022. The surrogate, Decachlorobiphenyl, recovered outside the advisory limits for sample C0016, C0028, and C0056 due to sample matrix interference on each column. The surrogate, Tetrachloro-m-xylene, recovered outside the advisory limits for sample C0022.

Duplicate matrix spikes for this SDG were performed on sample C0041 and met all quality control criteria for each analyte except for gamma-BHC and Heptachlor in the matrix spike duplicate.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Katrina L. Travis
Director, Laboratory Operations
April 26, 2005

8

Department: VOC

Method:

Batch No.: 12192

| CCN | Samp Typ | Client ID | pH | Time | Date | INST # | Operator | HT | Volume | Bottle # | Report | Comments |
|------------------|----------|------------------|----|------|------|--------|----------|----------|--------|----------|--------|----------|
| 628901 | SAMPLE | C0011 | 1 | 2136 | 4-21 | 55 | 2473 | 04/24/05 | 5ml | 1 | ✓ | |
| 628902 | SAMPLE | C0012 | 1 | 2207 | | | | 04/24/05 | | 1 | ✓ | |
| 628903 | SAMPLE | C0013 | 1 | 2239 | | | | 04/24/05 | | 1 | ✓ | |
| 628904 | SAMPLE | C0014 | 1 | 2310 | | | | 04/24/05 | | 1 | SH | |
| 628905 | SAMPLE | C0019 | 1 | 2342 | | | | 04/24/05 | | 1 | ✓ | |
| 628906 | SAMPLE | C0020 | 1 | 0013 | | | | 04/24/05 | | 1 | ✓ | |
| 628907 | SAMPLE | C0025 | 1 | 0045 | | | | 04/24/05 | | 1 | ✓ | |
| 628908 | SAMPLE | C0026 | 1 | 0116 | | | | 04/24/05 | | 1 | ✓ | |
| 628909 | SAMPLE | C0031 | 8 | 1526 | 4-22 | 55 | 2473 | 04/24/05 | 5ml | 21 | IH | |
| 628910 | SAMPLE | C0032 | 7 | 1557 | | | | 04/24/05 | | 21 | IH | |
| 628911 | SAMPLE | C0036 | 8 | 1628 | | | | 04/24/05 | | 21 | IH | |
| 628912 | SAMPLE | C0037 | 8 | 1700 | | | | 04/24/05 | | 21 | IH | |
| 628913 | SAMPLE | C0038 | 8 | 1731 | | | | 04/24/05 | | 21 | IH | |
| 628914 | SAMPLE | C0039 | 8 | 1802 | | | | 04/24/05 | | 21 | IH | |
| 628915 | SAMPLE | C0051 | 1 | 1833 | | | | 04/24/05 | | 1 | ✓ | |
| 628916 | SAMPLE | C0052 | 1 | | 4-22 | 59 | 2473 | 04/24/05 | 5ml | 1 | ✓ | |
| 628917 | SAMPLE | C0053 | 1 | | | | | 04/24/05 | | 2 | ✓ | |
| 628918 | SAMPLE | C0054 | 8 | | | | | 04/24/05 | | 21 | ✓ | |
| 65887 | MB | VBLKES | | | 4-21 | 59 | 2473 | 04/28/05 | 10ml | | | |
| 65888 | MB | VBLKET | | | 4-22 | | | 04/28/05 | | | | |
| 65889 | MB | VBLKEU | | | | 59 | 2473 | 04/28/05 | 10ml | | | |
| 65890 | MS | C0054(628918MS) | 8 | | 4- | | | 04/27/05 | 5ml | 2 | ✓ | |
| 65891 | MSD | C0054(628918MSD) | 8 | | | | | 04/27/05 | | 2 | ✓ | |
| 628919 | SAMPLE | C0058 | 8 | | | | | 04/24/05 | | 1 | | |
| 628920 | SAMPLE | C0059 | 1 | | | | | 04/24/05 | | 1 | | |
| 628921 | SAMPLE | VHBLKZX | 1 | | | | | 04/24/05 | | 1 | ✓ | |
| 628904R | | | 1 | 1455 | 4-22 | 55 | 2473 | | 5ml | 2 | ✓ | |
| 628909R | | | | | | | | | | | | |

Due 4-27

AR118620

close

7/10/05

| Client Sample ID: C0044 | Lab Sample ID: 622913 | File ID: 622913JA70 |
|-------------------------|-----------------------|---------------------|
| Compound | RT | Est. Conc. Q |
| Straight-Chain Alkane | 8.08 | 2 J |
| Straight-Chain Alkane | 10.02 | 7 J |

| Client Sample ID: C0055 | Lab Sample ID: 622914 | File ID: 622914JA70 |
|-------------------------|-----------------------|---------------------|
| Compound | RT | Est. Conc. Q |
| Straight-Chain Alkane | 8.08 | 2 J |
| Straight-Chain Alkane | 10.03 | 7 J |

| Client Sample ID: C0056 | Lab Sample ID: 622915 | File ID: 622915JA70 |
|-------------------------|-----------------------|---------------------|
| Compound | RT | Est. Conc. Q |
| Straight-Chain Alkane | 10.03 | 3 J |

| Client Sample ID: C0188 | Lab Sample ID: 622916 | File ID: 622916JA70 |
|-------------------------|-----------------------|---------------------|
| Compound | RT | Est. Conc. Q |
| Straight-Chain Alkane | 10.04 | 3 J |

| Client Sample ID: C0189 | Lab Sample ID: 622917 | File ID: 622917A70 |
|-------------------------|-----------------------|--------------------|
| Compound | RT | Est. Conc. Q |
| Straight-Chain Alkane | 8.08 | 2 J |
| Straight-Chain Alkane | 10.03 | 11 J |

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ALKANE NARRATIVE REPORT
Report date : 04/26/2005
SDG: C0162

Client Sample ID: C00L9 Lab Sample ID: 622903 File ID: 622903B70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.11 3 J

Client Sample ID: SBLKVE Lab Sample ID: 65983 File ID: 65983B70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.09 3 J

Client Sample ID: C0016 Lab Sample ID: 622906 File ID: 622906B70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.09 5 J

Client Sample ID: C0023 Lab Sample ID: 622909 File ID: 622909B70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.08 4 J

Client Sample ID: C0028 Lab Sample ID: 622910 File ID: 622910B70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.09 3 J

Client Sample ID: C0017 Lab Sample ID: 622907 File ID: 622907JA70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.03 4 J

Client Sample ID: C0022 Lab Sample ID: 622908 File ID: 622908JA70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.03 5 J

Client Sample ID: C0030 Lab Sample ID: 622911 File ID: 622911JA70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.03 3 J

Client Sample ID: C0041 Lab Sample ID: 622912 File ID: 622912JA70
Compound RT Est. Conc. Q

Straight-Chain Alkane 10.03 3 J

ORIGINAL

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
CASE #34031
SDG #C0162
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: C0016, C0017, C0022, C0023, C0028, C0030, C0041, C0044, C0055, C0056, C00L8, C00L9, C0188, C0189

The 14 water samples listed above were scheduled for the requested analyses of the GC/MS Semivolatiles fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. For receiving information associated with these samples, please refer to the GC/MS Volatile SDG narrative. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #C0162 are included in the sample data sections.

GC/MS Semivolatiles

Extraction and analysis holding time requirements were met for all of these samples.

Bis(2-ethylhexyl)phthalate was identified above the Quantitation Limit (QL) in sample C00L8. Five samples contained between one and four Tentatively Identified Compounds (TICs). Alkanes are listed on the attached Alkane Narrative Report.

Manual quantitations were performed on one or more of the process files associated with this SDG, including several of the samples. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.


All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration verification standards (CCVs) associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria.

Sample C0041 was used as the original to prepare the duplicate matrix spikes (MS/MSD) as requested. The associated duplicate matrix spikes met all recovery and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.


Kerry S. Hinshaw
Organic Senior Scientist
April 26, 2005

5

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a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

CASE # 34031
SDG # C0062 *via 4/25/05*
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: C0162, C00L8, C00L9, C0185, C0190, C0041, C0044, C0016, C0017, C0022, C0023, C0028, C0030, C0055, C0056, C0188, C0189.

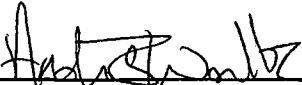
The 17 water samples listed above were received intact at a temperature 2.1 – 3.6°C, with proper documentation, in sealed shipping containers, on April 9 - 14, 2005. The samples were scheduled for the requested analyses of the volatile, semivolatile and pest/PCB fractions. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.2. All pertinent Quality Assurance Notices are included in the narrative section and all pertinent Laboratory Notices for Case # 34031, SDG # C0062 are included in the sample data sections.

Volatiles

Analysis holding time requirements were met for all of these samples. The pH values of these samples are tabulated on the associated run logs in the standards section of the report. Target compounds were not identified above the Contract Required Quantitation Limit (CRQL). Tentatively Identified Compounds (TICs) were found in some of these samples. Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. All of the system monitoring compounds met recovery criteria in the analysis of these samples. All of the internal standards met response and retention time criteria in the analysis of these samples. The associated method blanks met all quality control criteria. C0041 was used to perform the matrix spike and duplicate.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Andrew J. Walker
Senior Scientist
April 22, 2005

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501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

CASE # 34031

SDG # C0011

CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: C0011, C0012, C0013, C0014, C0019, C0020, C0025, C0026, C0031, C0032, C0036, C0037, C0038, C0039, C0051, C0052, C0053, C0054, C0058, C0059

The twenty water samples listed above were scheduled for the requested analysis of the pesticide/PCB fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the pesticide/PCB fraction only. For the receiving information associated with these samples, please refer to the semivolatile SDG narrative. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # C0011 are included in the sample data sections.

Pesticides/PCBs

Extraction and analysis holding time requirements were met for all of these samples.

There were no pesticide and PCB analytes confirmed by dual column analysis above the Contract Required Quantitation Limit (CRQL) in any of these samples.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The associated method blanks met all quality control criteria.

All of the surrogates met recovery and retention time criteria in the analyses of these samples with the exception of samples C0020 and C0026 which recovered below the advisory limits for Decachlorobiphenyl.

Duplicate matrix spikes for this SDG were performed on sample C0054 and met all quality control criteria for each analyte except for gamma-BHC in the matrix spike.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Katrina L. Travis
Director, Laboratory Operations
April 28, 2005

10

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501 Madison Avenue

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SDG NARRATIVE
CASE # 34031
SDG # C0011
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS:

| | | | | |
|-------|-------|-------|-------|-------|
| C0011 | C0019 | C0031 | C0038 | C0053 |
| C0012 | C0020 | C0032 | C0039 | C0054 |
| C0013 | C0025 | C0036 | C0051 | C0058 |
| C0014 | C0026 | C0037 | C0052 | C0059 |

The 20 aqueous samples listed above were scheduled for the requested analyses of the semivolatile fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the semivolatile fraction only. For the receiving information associated with these samples, please refer to the volatile SDG narrative. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # C0011 are included in the sample data sections.

Semivolatiles Section

Extraction and analysis holding time requirements were met for all of these samples.

The semivolatile target compound list (TCL) analyte bis(2-ethylhexyl)phthalate was identified above the Contract Required Quantitation Limit (CRQL) in sample C0051. Tentatively Identified Compounds (TICs) were found in some of these samples. The TICs found could be characterized as trimethylphenol, dihydroindenol, and unknowns. The TICs that were characterized as alkanes have been summarized on the Alkane Narrative Report that is located in the narrative section of the data package. The TIC spectra for the alkanes are located in the data section for the individual samples.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples, except for sample C0020. The recovery of the surrogate d14-terphenyl was below the acceptance limit.

All of the internal standards met response and retention time criteria in the analyses of these samples.

Sample C0054 was used as the original to prepare duplicate matrix spikes as requested. The associated duplicate matrix spikes met all advisory accuracy and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Elsie S. Byrd
Senior Scientist I
April 26, 2005

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contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Susan W Bass

Susan W. Bass
Senior Chemist
April 27, 2005

CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

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Tel: 919/379-4100 Fax: 919/379-4050

ORIGINAL

SDG NARRATIVE
CASE # 34031
SDG # C0011
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: C0011, C0012, C0013, C0014, C0019, C0020, C0025, C0026, C0031, C0032, C0036, C0037, C0038, C0039, C0051, C0052, C0053, C0054, C0058, C0059

The twenty (20) water samples listed above were received intact, properly refrigerated at a temperature of 2.1 to 3.6°C, with proper documentation except an email has not been received concerning broken containers that was noted on the traffic report, in sealed shipping containers, on April 14, 2004. The samples were scheduled for the requested analyses of the volatile, semivolatile, and pesticide fractions.

The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3.

All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for Case # 34031, SDG # C0011 are included in the sample data sections.

Volatiles:

Analysis holding time requirements were met for all of these samples. The pH values of these samples are tabulated on the attached batch sheets.

None of the samples in this SDG contained any compounds above the Contract Required Quantitation Limit (CRQL). Tentatively Identified Compounds (TICs) were found in samples C0014, C0019, C0020, C0025, C0026, C0039, C0051, C0052, C0054, and C0059.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds (SMC) met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blanks met all quality control criteria.

C0054 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes meet all of the advisory accuracy and precision.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data

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Appendix E
Laboratory Case Narrative



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031

DAS No:

R

| | | | |
|--|---|--------------------------------|-------------------------------|
| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | Relinquished By (Date / Time) |
| Account Code: 2005T03W302DD2C | Airbill: 8515 9368 0340 | 1 | |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | 2 | |
| Spill ID: | | 3 | |
| Site Name/State: Big John Salvage CLP 34031/WV | | 4 | |
| Project Leader: Tad Yancheski | | | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|----------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0051 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 1168 (Ice Only), 1169 (Ice Only), 1170 (Ice Only), 1171 (Ice Only) (4) | BJS-MW15B-0405 | S: 4/12/2005 16:15 | MC0051 | - |
| C0052 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 1178 (Ice Only), 1179 (Ice Only), 1180 (Ice Only), 1181 (Ice Only) (4) | BJS-MW15C-0405 | S: 4/12/2005 17:00 | MC0052 | -- |

| | | | |
|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBS | | | |

TR Number: **3-035066262-041305-0003**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

REGION COPY

Handwritten signature/initials



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No:
R

| | | | |
|--|--|--|--------------------|
| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/13/2005 Carrier Name: FedEx Airbill: 8515 9368 0291 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record Relinquished By (Date / Time) Received By (Date / Time) 1 2 3 4 | Sampler Signature: |
|--|--|--|--------------------|

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|--|
| C0039 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 1020 (Ice Only), 1021 (Ice Only), 1022 (Ice Only), 1023 (Ice Only) (4) | BJS-MW10C-0405 | S: 4/13/2005 8:45 | MC0039 | -- |
| C0058 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 1252 (Ice Only), 1253 (Ice Only), 1254 (Ice Only), 1255 (Ice Only) (4) | BJS-MW19-0405 | S: 4/13/2005 8:00 | MC0058 | Field Duplicate C0039 <i>Su 05/10/05</i> |

| | | | |
|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041305-0008

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No: R

| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/13/2005 Carrier Name: FedEx Airbill: 8483 3674 4655 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Chain of Custody Record</th> <th colspan="2">Sampler Signature:</th> </tr> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </table> | Chain of Custody Record | | Sampler Signature: | | Relinquished By | (Date / Time) | Received By | (Date / Time) | 1 | | | | 2 | | | | 3 | | | | 4 | | | |
|--|--|--|-------------------------|--|--------------------|--|-----------------|---------------|-------------|---------------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| Chain of Custody Record | | Sampler Signature: | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By | (Date / Time) | Received By | (Date / Time) | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|-------|----------------------|---------|
| C0031 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 940 (Ice Only), 941 (Ice Only), 942 (Ice Only), 943 (Ice Only) (4) | BJS-MW07B-0405 | S: 4/13/2005 | 15:45 | MC0031 | - |
| C0032 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 950 (Ice Only), 951 (Ice Only), 952 (Ice Only), 953 (Ice Only) (4) | BJS-MW07C-0405 | S: 4/13/2005 | 14:30 | MC0032 | -- |

| | | | |
|-------------------------------|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs

TR Number: 3-035066262-041305-0015

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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APPROVED



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No:

R

| | | | | | |
|--|--|--------------------------------|---------------|--------------------|---------------|
| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | | Sampler Signature: | |
| Project Code: T47121.0103 | Carrier Name: FedEx | Relinquished By | (Date / Time) | Received By | (Date / Time) |
| Account Code: 2005T03W302DD2C | Airbill: 8515 9368 0339 | 1 | | | |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation | 2 | | | |
| Spill ID: | 501 Madison Avenue | 3 | | | |
| Site Name/State: Big John Salvage CLP 34031/WV | Cary NC 27513 | 4 | | | |
| Project Leader: Tad Yancheski | (919) 379-4100 | | | | |
| Action: Remedial Investigation | | | | | |
| Sampling Co: Tetra Tech, Inc. | | | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|-------|----------------------|---------|
| C0025 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 892 (Ice Only), 893 (Ice Only), 894 (Ice Only), 895 (Ice Only) (4) | BJS-MW05B-0405 | S: 4/12/2005 | 12:20 | MC0025 | - |
| C0026 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 901 (Ice Only), 902 (Ice Only), 903 (Ice Only), 904 (Ice Only) (4) | BJS-MW05C-0405 | S: 4/12/2005 | 17:00 | MC0026 | - |

| | | | |
|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041305-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No.: 34031 **R**
 DAS No:

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|--|--|--------------------------------|-------------------------------|
| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | Relinquished By (Date / Time) |
| Account Code: 2005T03W302DD2C | Airbill: 8515 9368 0328 | 1 | |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation | 2 | |
| Spill ID: | 501 Madison Avenue | 3 | |
| Site Name/State: Big John Salvage CLP 34031/WV | Cary NC 27513 | 4 | |
| Project Leader: Tad Yancheski | (919) 379-4100 | | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|-------|----------------------|---------|
| C0019 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 838 (Ice Only), 839 (Ice Only), 840 (Ice Only), 841 (Ice Only) (4) | BJS-MW03B-0405 | S: 4/12/2005 | 15:25 | MC0019 | -- |
| C0020 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 847 (Ice Only), 848 (Ice Only), 849 (Ice Only), 850 (Ice Only) (4) | BJS-MW03C-0405 | S: 4/12/2005 | 16:15 | MC0020 | -- |

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|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041305-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No:

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|--|---|-------------------------------|---------------------------|
| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4611 | Relinquished By (Date / Time) | Received By (Date / Time) |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | 1 | |
| Spill ID: | | 2 | |
| Site Name/State: Big John Salvage CLP 34031/WV | | 3 | |
| Project Leader: Tad Yancheski | | 4 | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|------|----------------------|--|
| C0014 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 790 (Ice Only), 791 (Ice Only), 792 (Ice Only), 793 (Ice Only) (4) | BJS-MW01C-0405 | S: 4/13/2005 | 8:55 | MC0014 | - |
| C0059 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 1262 (Ice Only), 1263 (Ice Only), 1264 (Ice Only), 1265 (Ice Only) (4) | BJS-MW20-0405 | S: 4/13/2005 | 9:20 | MC0059 | Field Duplicate 0014 Su 05/11/05 |

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|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041305-0007

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No: R

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|--|--|---|---|--|---|--|---|--|---|--|
| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/13/2005 Carrier Name: FedEx Airbill: 8483 3674 4622 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record Relinquished By (Date / Time) Sampler Signature: Received By (Date / Time) | | | | | | | | |
| | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">1</td> <td style="width: 50%;"></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4</td> <td></td> </tr> </table> | 1 | | 2 | | 3 | | 4 | |
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| 2 | | | | | | | | | | |
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| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0013 | Ground Water/ Vadim Petrov | /G | PEST (21) | 781 (Ice Only), 782 (Ice Only) (2) | BJS-MW01B-0405 | S: 4/13/2005 12:00 | MC0013 | -- |
| C0054 | Ground Water/ Vadim Petrov | /G | PEST (21) | 1200 (Ice Only), 1201 (Ice Only), 1202 (Ice Only), 1203 (Ice Only), 1204 (Ice Only), 1205 (Ice Only) (6) | BJS-MW16C-0405 | S: 4/13/2005 14:30 | MC0054 | MS/MSD |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: C0054 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: PEST = CLP TCL Pesticide/PCBs | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041305-0013

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031

R

DAS No:

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| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4644 | Relinquished By (Date / Time) | Received By (Date / Time) |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | 1 | |
| Spill ID: | | 2 | |
| Site Name/State: Big John Salvage CLP 34031/WV | | 3 | |
| Project Leader: Tad Yancheski | | 4 | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0013 | Ground Water/ Vadim Petrov | /G | BNA (21) | 783 (Ice Only), 784 (Ice Only) (2) | BJS-MW01B-0405 | S: 4/13/2005 12:00 | MC0013 | -- |
| C0054 | Ground Water/ Vadim Petrov | /G | BNA (21) | 1206 (Ice Only), 1207 (Ice Only), 1208 (Ice Only), 1209 (Ice Only), 1210 (Ice Only), 1211 (Ice Only) (6) | BJS-MW16C-0405 | S: 4/13/2005 14:30 | MC0054 | MS/MSD |

| | | | |
|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: C0054 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: BNA = CLP TCL Semivolatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041305-0014

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031

DAS No:

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| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | Relinquished By | (Date / Time) | Received By |
| Account Code: 2005T03W302DD2C | Airbill: 8515 9368 0306 | | | |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation | 1 | | |
| Spill ID: | 501 Madison Avenue | 2 | | |
| Site Name/State: Big John Salvage CLP 34031/WV | Cary NC 27513 | 3 | | |
| Project Leader: Tad Yancheski | (919) 379-4100 | 4 | | |
| Action: Remedial Investigation | | | | |
| Sampling Co: Tetra Tech, Inc. | | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|-------|----------------------|---------|
| C0011 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 762 (Ice Only), 763 (Ice Only), 764 (Ice Only), 765 (Ice Only) (4) | BJS-MW01A1-0405 | S: 4/13/2005 | 11:10 | MC0011 | -- |
| C0012 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 772 (Ice Only), 773 (Ice Only), 774 (Ice Only), 775 (Ice Only) (4) | BJS-MW01A2-0405 | S: 4/13/2005 | 10:15 | MC0012 | -- |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs

TR Number: 3-035066262-041305-0010

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Organic Traffic Report & Chain of Custody Record

Case No: 34031

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DAS No:

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| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4633 | Relinquished By (Date / Time) | Received By (Date / Time) |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | 1 | |
| Spill ID: | | 2 | |
| Site Name/State: Big John Salvage CLP 34031/WV | | 3 | |
| Project Leader: Tad Yancheski | | 4 | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|-------|----------------------|---------|
| C0036 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 990 (Ice Only), 991 (Ice Only), 992 (Ice Only), 993 (Ice Only) (4) | BJS-MW09B-0405 | S: 4/13/2005 | 11:15 | MC0036 | -- |
| C0037 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 1000 (Ice Only), 1001 (Ice Only), 1002 (Ice Only), 1003 (Ice Only) (4) | BJS-MW09C-0405 | S: 4/13/2005 | 12:05 | MC0037 | -- |

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|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041305-0011

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F2V5.1.047 Page 1 of 1

ORIGINAL



**USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record**

Case No: 34031
DAS No:

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|---|---|---|
| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WV054827944 Spill ID: Site Name/State: Big John Salvage SW Organics/Metals/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/8/2005 Carrier Name: FedEx Airbill: 8489 8704 5719 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record Sampler Signature: |
| | Relinquished By (Date / Time) | Received By (Date / Time) |
| | 1 | |
| | 2 | |
| | 3 | |
| 4 | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|--------------------------------------|------------|----------------------|--|-------------------|--------------------------|----------------------|---------|
| C00L8 | Surface Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 2689 (Ice Only), 2690 (Ice Only), 2691 (Ice Only), 2692 (Ice Only) (4) | BJS-SW-UT1-8-0405 | S: 4/8/2005 10:45 | MC00L8 | -- |
| * C0114 | Surface Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 3242 (Ice Only), 3243 (Ice Only), 3244 (Ice Only), 3245 (Ice Only) (4) | BJS-SW-UT1-7-0405 | S: 4/8/2005 11:45 | MC0114 | -- |

| | | | |
|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-040805-0009

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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F2V5.1.047 Page 1 of 1

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**USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record**

Case No: 34031
DAS No: **R**

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|--|---|--------------------------------|----------------------|---------------------------|
| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage SW Organics/Metals/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/8/2005 Carrier Name: FedEx Airbill: 8482 7783 0590 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record | | Sampler Signature: |
| | | Relinquished By | (Date / Time) | Received By |
| | | 1 | | |
| | | 2 | | |
| | | 3 | | |
| | | 4 | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|--------------------------------------|------------|----------------------|--|-------------------|--------------------------|----------------------|-----------------|
| C00L9 | Surface Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 2698 (Ice Only), 2699 (Ice Only), 2700 (Ice Only), 2701 (Ice Only) (4) | BJS-SW-UT1-9-0405 | S: 4/8/2005 8:10 | MC00L9 | -- |
| * C0155 | Surface Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 3569 (Ice Only), 3570 (Ice Only), 3571 (Ice Only), 3572 (Ice Only) (4) | BJS-SW-UT3-1-0405 | S: 4/8/2005 7:45 | MC0155 | Field Duplicate |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-040805-0005

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**USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record**

Case No: 34031

DAS No:

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| Region: 3 | Date Shipped: 4/12/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | Relinquished By (Date / Time) |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4508 | 1 | |
| CERCLIS ID: WV054827944 | Shipped to: Liberty Analytical Corporation | 2 | |
| Spill ID: | 501 Madison Avenue | 3 | |
| Site Name/State: Big John Salvage CLP 34031/WV | Cary NC 27513 | 4 | |
| Project Leader: Tad Yancheski | (919) 379-4100 | | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|---------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0188 | Field QC/ Dennis Anderson | /G | BNA (21), PEST (21) | 4243 (Ice Only), 4244 (Ice Only), 4245 (Ice Only), 4246 (Ice Only) (4) | EQ-SD1-0405 | S: 4/11/2005 14:30 | MC0188 | Rinsate |
| C0189 | Field QC/ Dennis Anderson | /G | BNA (21), PEST (21) | 4252 (Ice Only), 4253 (Ice Only), 4254 (Ice Only), 4255 (Ice Only) (4) | EQ-SW1-0405 | S: 4/11/2005 14:00 | MC0189 | Rinsate |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041205-0014

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031

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DAS No:

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| Region: 3 | Date Shipped: 4/12/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | Relinquished By (Date / Time) |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4450 | 1 | |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation | 2 | |
| Spill ID: | 501 Madison Avenue | 3 | |
| Site Name/State: Big John Salvage CLP 34031/WV | Cary NC 27513 | 4 | |
| Project Leader: Tad Yancheski | (919) 379-4100 | | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0041 | Ground Water/ Dennis Anderson | /G | BNA (21) | 1048 (Ice Only), 1049 (Ice Only), 1050 (Ice Only), 1051 (Ice Only), 1052 (Ice Only), 1053 (Ice Only) (6) | BJS-MW11B-0405 | S: 4/11/2005 12:30 | MC0041 | MS/MSD |
| C0044 | Ground Water/ Dennis Anderson | /G | BNA (21) | 1086 (Ice Only), 1087 (Ice Only) (2) | BJS-MW12C-0405 | S: 4/11/2005 10:15 | MC0044 | - |

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|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: C0041 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: BNA = CLP TCL Semivolatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041205-0006

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11/10/2005



**USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record**

Case No: 34031

DAS No:

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|--|---|-------------------------|-------------------------------|
| Region: 3 | Date Shipped: 4/12/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | Relinquished By (Date / Time) |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4449 | 1 | |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | 2 | |
| Spill ID: | | 3 | |
| Site Name/State: Big John Salvage CLP 34031/WV | | 4 | |
| Project Leader: Tad Yancheski | | | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0041 | Ground Water/ Dennis Anderson | /G | PEST (21) | 1042 (Ice Only), 1043 (Ice Only), 1044 (Ice Only), 1045 (Ice Only), 1046 (Ice Only), 1047 (Ice Only) (6) | BJS-MW11B-0405 | S: 4/11/2005 12:30 | MC0041 | MS/MSD |
| C0044 | Ground Water/ Dennis Anderson | /G | PEST (21) | 1084 (Ice Only), 1085 (Ice Only) (2) | BJS-MW12C-0405 | S: 4/11/2005 10:15 | MC0044 | -- |

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|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: C0041 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: PEST = CLP TCL Pesticide/PCBs | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041205-0005

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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7/11/2010



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No:
R

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|--|--|--|---|
| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/12/2005 Carrier Name: FedEx Airbill: 8483 3674 4460 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record Relinquished By (Date / Time) Received By (Date / Time) 1 2 3 4 | Sampler Signature: Received By (Date / Time) |
|--|--|--|---|

| ORGANIC SAMPLE No. | MATRX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0055 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 1222 (Ice Only), 1223 (Ice Only), 1224 (Ice Only), 1225 (Ice Only) (4) | BJS-MW17B-0405 | S: 4/12/2005 9:40 | MC0055 | -- |
| C0056 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 1232 (Ice Only), 1233 (Ice Only), 1234 (Ice Only), 1235 (Ice Only) (4) | BJS-MW17C-0405 | S: 4/12/2005 9:00 | MC0056 | -- |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041205-0007

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Tetra Tech



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No: R

| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/12/2005 Carrier Name: FedEx Airbill: 8483 3674 4471 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Chain of Custody Record</th> <th colspan="2">Sampler Signature:</th> </tr> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </table> | Chain of Custody Record | | Sampler Signature: | | Relinquished By | (Date / Time) | Received By | (Date / Time) | 1 | | | | 2 | | | | 3 | | | | 4 | | | |
|--|--|--|-------------------------|--|--------------------|--|-----------------|---------------|-------------|---------------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| Chain of Custody Record | | Sampler Signature: | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By | (Date / Time) | Received By | (Date / Time) | | | | | | | | | | | | | | | | | | | | | | | |
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| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|-------|----------------------|---------|
| C0016 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 810 (Ice Only), 811 (Ice Only), 812 (Ice Only), 813 (Ice Only) (4) | BJS-MW02B-0405 | S: 4/12/2005 | 10:35 | MC0016 | -- |
| C0017 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 820 (Ice Only), 821 (Ice Only), 822 (Ice Only), 823 (Ice Only) (4) | BJS-MW02C-0405 | S: 4/12/2005 | 9:05 | MC0017 | -- |

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|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041205-0008

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No: R

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|--|--|--|--------------------|
| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/12/2005 Carrier Name: FedEx Airbill: 8483 3674 4482 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record Relinquished By (Date / Time) Received By (Date / Time) 1 2 3 4 | Sampler Signature: |
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| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0028 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 919 (Ice Only), 920 (Ice Only), 921 (Ice Only), 922 (Ice Only) (4) | BJS-MW06B-0405 | S: 4/12/2005 13:30 | MC0028 | - |
| C0030 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 930 (Ice Only), 931 (Ice Only), 932 (Ice Only), 933 (Ice Only) (4) | BJS-MW06C-0405 | S: 4/12/2005 13:00 | MC0030 | - |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041205-0012

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No:
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|--|--|---|---|--|---|--|---|--|---|--|
| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/12/2005 Carrier Name: FedEx Airbill: 8483 3674 4438 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record Relinquished By (Date / Time) Sampler Signature: Received By (Date / Time) | | | | | | | | |
| | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">1</td> <td style="width: 40%;"></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4</td> <td></td> </tr> </table> | 1 | | 2 | | 3 | | 4 | |
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| ORGANIC SAMPLE No. | MATRX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0022 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 865 (Ice Only), 866 (Ice Only), 867 (Ice Only), 868 (Ice Only) (4) | BJS-MW04B-0405 | S: 4/11/2005 10:40 | MC0022 | -- |
| C0023 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 874 (Ice Only), 875 (Ice Only), 876 (Ice Only), 877 (Ice Only) (4) | BJS-MW04C-0405 | S: 4/11/2005 12:50 | MC0023 | -- |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041205-0004

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031

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| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/13/2005 Carrier Name: FedEx Airbill: 8483 3674 4600 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record <table border="1"> <tr> <td colspan="2">Relinquished By</td> <td colspan="2">(Date / Time)</td> <td colspan="2">Received By</td> <td colspan="2">(Date / Time)</td> </tr> <tr> <td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> | Relinquished By | | (Date / Time) | | Received By | | (Date / Time) | | 1 | | | | | | | | 2 | | | | | | | | 3 | | | | | | | | 4 | | | | | | | | Sampler Signature: |
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| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|-------|----------------------|---------|
| C0038 | Ground Water/ Dennis Anderson | /G | BNA (21), PEST (21) | 1010 (Ice Only), 1011 (Ice Only), 1012 (Ice Only), 1013 (Ice Only) (4) | BJS-MW10B-0405 | S: 4/13/2005 | 13:05 | MC0038 | -- |
| C0195 | Field QC/ Dennis Anderson | /G | BNA (21), PEST (21) | 4325 (Ice Only), 4326 (Ice Only), 4327 (Ice Only), 4328 (Ice Only) (4) | BJS-GWEQ-01 | S: 4/13/2005 | 16:45 | MC0195 | Rinsate |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |
| BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | | | |

TR Number: 3-035066262-041305-0017

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**USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record**

Case No: 34031
DAS No: **R**

| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WVD054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/13/2005 Carrier Name: FedEx Airbill: 8483 3674 4596 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record Sampler Signature: <table border="1"> <thead> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td></tr> </tbody> </table> | Relinquished By | (Date / Time) | Received By | (Date / Time) | 1 | | | | 2 | | | | 3 | | | | 4 | | | |
|---|--|---|-----------------|---------------|-------------|---------------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| Relinquished By | (Date / Time) | Received By | (Date / Time) | | | | | | | | | | | | | | | | | | | |
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| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|---------|
| C0053 | Ground Water/ Vadim Petrov | /G | BNA (21), PEST (21) | 1188 (Ice Only), 1189 (Ice Only), 1190 (Ice Only), 1191 (Ice Only) (4) | BJS-MW16B-0405 | S: 4/13/2005 16:10 | MC0053 | -- |
| * C0196 | Field QC/ Vadim Petrov | /G | BNA (21), PEST (21) | 4340 (Ice Only), 4341 (Ice Only), 4342 (Ice Only), 4343 (Ice Only) (4) | BJS-FBO1-045 | S: 4/13/2005 16:15 | MC0196 | -- |

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| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment iced? _____ |

TR Number: 3-035066262-041305-0018

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031

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DAS No:

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|--|---|-------------------------------|---------------------------|
| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4666 | Relinquished By (Date / Time) | Received By (Date / Time) |
| CERCLIS ID: WVD054827944 | Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | 1 | |
| Spill ID: | | 2 | |
| Site Name/State: Big John Salvage CLP 34031/WV | | 3 | |
| Project Leader: Tad Yancheski | | 4 | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|----------------------------------|------------|----------------------|--------------------------------|------------------|--------------------------|----------------------|---------|
| C0011 | Ground Water/ Vadim Petrov | /G | VOA (21) | 766 (HCL), 767 (HCL) (2) | BJS-MW01A1-0405 | S: 4/13/2005 11:10 | MC0011 | -- |
| C0012 | Ground Water/ Vadim Petrov | /G | VOA (21) | 776 (HCL), 777 (HCL) (2) | BJS-MW01A2-0405 | S: 4/13/2005 10:15 | MC0012 | -- |
| C0013 | Ground Water/ Vadim Petrov | /G | VOA (21) | 785 (HCL), 786 (HCL) (2) | BJS-MW01B-0405 | S: 4/13/2005 12:00 | MC0013 | -- |
| C0014 | Ground Water/ Vadim Petrov | /G | VOA (21) | 794 (HCL), 795 (HCL) (2) | BJS-MW01C-0405 | S: 4/13/2005 8:55 | MC0014 | -- |
| C0016 | Ground Water/ Dennis Anderson | /G | VOA (21) | 814 (HCL), 815 (HCL) (2) | BJS-MW02B-0405 | S: 4/12/2005 10:35 | MC0016 | -- |
| C0017 | Ground Water/ Dennis Anderson | /G | VOA (21) | 824 (HCL), 825 (HCL) (2) | BJS-MW02C-0405 | S: 4/12/2005 9:05 | MC0017 | -- |
| C0019 | Ground Water/ Vadim Petrov | /G | VOA (21) | 842 (HCL), 843 (HCL) (2) | BJS-MW03B-0405 | S: 4/12/2005 15:25 | MC0019 | -- |
| C0020 | Ground Water/ Vadim Petrov | /G | VOA (21) | 851 (HCL), 852 (HCL) (2) | BJS-MW03C-0405 | S: 4/12/2005 16:15 | MC0020 | -- |
| C0022 | Ground Water/ Vadim Petrov | /G | VOA (21) | 869 (HCL), 870 (HCL) (2) | BJS-MW04B-0405 | S: 4/11/2005 10:40 | MC0022 | -- |
| C0023 | Ground Water/ Vadim Petrov | /G | VOA (21) | 878 (HCL), 879 (HCL) (2) | BJS-MW04C-0405 | S: 4/11/2005 12:50 | MC0023 | -- |

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|--|---|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: C0041, C0054 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: VOA = CLP TCL Volatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041305-0020

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7/20/05



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031 **R**
 DAS No:

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|--|--|--------------------------------|-------------------------------|
| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | | Relinquished By (Date / Time) |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4666 | 1 | |
| CERCLIS ID: WV054827944 | Shipped to: Liberty Analytical Corporation | 2 | |
| Spill ID: | 501 Madison Avenue | 3 | |
| Site Name/State: Big John Salvage CLP 34031/WV | Cary NC 27513 | 4 | |
| Project Leader: Tad Yancheski | (919) 379-4100 | | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|----------------------------------|------------|----------------------|-------------------------------|------------------|--------------------------|-------|----------------------|---------|
| C0025 | Ground Water/ Vadim Petrov | /G | VOA (21) | 896 (HCL), 897 (HCL) (2) | BJS-MW05B-0405 | S: 4/12/2005 | 12:20 | MC0025 | -- |
| C0026 | Ground Water/ Vadim Petrov | /G | VOA (21) | 905 (HCL), 906 (HCL) (2) | BJS-MW05C-0405 | S: 4/12/2005 | 17:00 | MC0026 | -- |
| C0028 | Ground Water/ Dennis Anderson | /G | VOA (21) | 923 (HCL), 924 (HCL) (2) | BJS-MW06B-0405 | S: 4/12/2005 | 13:30 | MC0028 | -- |
| C0030 | Ground Water/ Dennis Anderson | /G | VOA (21) | 934 (HCL), 935 (HCL) (2) | BJS-MW06C-0405 | S: 4/12/2005 | 13:00 | MC0030 | -- |
| C0031 | Ground Water/ Dennis Anderson | /G | VOA (21) | 944 (HCL), 945 (HCL) (2) | BJS-MW07B-0405 | S: 4/13/2005 | 15:45 | MC0031 | -- |
| C0032 | Ground Water/ Dennis Anderson | /G | VOA (21) | 954 (HCL), 955 (HCL) (2) | BJS-MW07C-0405 | S: 4/13/2005 | 14:30 | MC0032 | -- |
| C0036 | Ground Water/ Dennis Anderson | /G | VOA (21) | 994 (HCL), 995 (HCL) (2) | BJS-MW09B-0405 | S: 4/13/2005 | 11:15 | MC0036 | -- |
| C0037 | Ground Water/ Dennis Anderson | /G | VOA (21) | 1004 (HCL), 1005 (HCL) (2) | BJS-MW09C-0405 | S: 4/13/2005 | 12:05 | MC0037 | -- |
| C0038 | Ground Water/ Dennis Anderson | /G | VOA (21) | 1014 (HCL), 1015 (HCL) (2) | BJS-MW10B-0405 | S: 4/13/2005 | 13:05 | MC0038 | -- |
| C0039 | Ground Water/ Dennis Anderson | /G | VOA (21) | 1024 (HCL), 1025 (HCL) (2) | BJS-MW10C-0405 | S: 4/13/2005 | 8:45 | MC0039 | -- |

| | | | |
|--|---|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: C0041, C0054 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: VOA = CLP TCL Volatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041305-0020

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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ORIGINAL



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAS No:

R

| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WV054827944 Spill ID: Site Name/State: Big John Salvage SW Organics/Metals/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/8/2005 Carrier Name: FedEx Airbill: 8489 8704 5796 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record <table border="1"> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </table> | Relinquished By | (Date / Time) | Received By | (Date / Time) | 1 | | | | 2 | | | | 3 | | | | 4 | | | | Sampler Signature: |
|---|---|--|-----------------|---------------|-------------|---------------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---------------------------|
| Relinquished By | (Date / Time) | Received By | (Date / Time) | | | | | | | | | | | | | | | | | | | | |
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| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-----------------------------------|------------|----------------------|--------------------------------|-------------------|--------------------------|----------------------|-----------------|
| C00L8 | Surface Water/ Dennis Anderson | /G | VOA (21) | 2693 (HCL), 2694 (HCL) (2) | BJS-SW-UT1-8-0405 | S: 4/8/2005 10:45 | MC00L8 | -- |
| C00L9 | Surface Water/ Dennis Anderson | /G | VOA (21) | 2702 (HCL), 2703 (HCL) (2) | BJS-SW-UT1-9-0405 | S: 4/8/2005 8:10 | MC00L9 | -- |
| * C0110 | Surface Water/ Vadim Petrov | /G | VOA (21) | 3210 (HCL), 3211 (HCL) (2) | BJS-SW-UT1-3-0405 | S: 4/8/2005 8:45 | MC0110 | -- |
| * C0112 | Surface Water/ Vadim Petrov | /G | VOA (21) | 3228 (HCL), 3229 (HCL) (2) | BJS-SW-UT1-5-0405 | S: 4/8/2005 9:30 | MC0112 | -- |
| * C0113 | Surface Water/ Vadim Petrov | /G | VOA (21) | 3237 (HCL), 3238 (HCL) (2) | BJS-SW-UT1-6-0405 | S: 4/8/2005 11:15 | MC0113 | -- |
| * C0114 | Surface Water/ Dennis Anderson | /G | VOA (21) | 3246 (HCL), 3247 (HCL) (2) | BJS-SW-UT1-7-0405 | S: 4/8/2005 11:45 | MC0114 | -- |
| * C0155 | Surface Water/ Dennis Anderson | /G | VOA (21) | 3573 (HCL), 3574 (HCL) (2) | BJS-SW-UT3-1-0405 | S: 4/8/2005 7:45 | MC0155 | Field Duplicate |
| * C0156 | Surface Water/ Vadim Petrov | /G | VOA (21) | 3582 (HCL), 3583 (HCL) (2) | BJS-SW-UT3-3-0405 | S: 4/8/2005 10:00 | MC0156 | Field Duplicate |
| C0162 | Field QC/ Vadim Petrov | /G | VOA (21) | 3692 (HCL), 3693 (HCL) (2) | BJS-TB06-0405 | S: 4/8/2005 7:00 | | Trip Blank |

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|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: VOA = CLP TCL Volatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment iced? _____ |

TR Number: 3-035066262-040805-0015

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-1602

REGION COPY

ART18653

TWO



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031
 DAs No:
R

| Region: 3 Project Code: T47121.0103 Account Code: 2005T03W302DD2C CERCLIS ID: WV054827944 Spill ID: Site Name/State: Big John Salvage CLP 34031/WV Project Leader: Tad Yancheski Action: Remedial Investigation Sampling Co: Tetra Tech, Inc. | Date Shipped: 4/13/2005 Carrier Name: FedEx Airbill: 8483 3674 4666 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Chain of Custody Record</th> <th colspan="2">Sampler Signature:</th> </tr> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> </table> | Chain of Custody Record | | Sampler Signature: | | Relinquished By | (Date / Time) | Received By | (Date / Time) | 1 | | | | 2 | | | | 3 | | | | 4 | | | |
|---|--|--|-------------------------|--|--------------------|--|-----------------|---------------|-------------|---------------|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| Chain of Custody Record | | Sampler Signature: | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By | (Date / Time) | Received By | (Date / Time) | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | INORGANIC SAMPLE No. | QC Type |
|--------------------|------------------------------------|------------|----------------------|---|------------------|--------------------------|-------|----------------------|--|
| C0058 | Ground Water/ Dennis Anderson | /G | VOA (21) | 1256 (HCL), 1257 (HCL) (2) | BJS-MW19-0405 | S: 4/13/2005 | 8:00 | MC0058 | Field Duplicate <i>c0039 su 05/14/05</i> |
| C0059 | Ground Water/ Vadim Petrov | /G | VOA (21) | 1266 (HCL), 1267 (HCL) (2) | BJS-MW20-0405 | S: 4/13/2005 | 9:20 | MC0059 | Field Duplicate <i>c0014 su 05/14/05</i> |
| C0095 | Subsurface Soil/ Douglas Seavey | /G | VOA (21) | 1592 (Ice Only), 1593 (Ice Only), 1594 (Ice Only) (3) | BJS-SBI6-0405 | S: 4/6/2005 | 10:40 | MC0095 | -- |
| C0188 | Field QC/ Dennis Anderson | /G | VOA (21) | 4247 (HCL); 4248 (HCL) (2) | EQ-SD1-0405 | S: 4/11/2005 | 14:30 | MC0188 | Rinsate |
| C0189 | Field QC/ Dennis Anderson | /G | VOA (21) | 4256 (HCL), 4257 (H2SO4) (2) | EQ-SW1-0405 | S: 4/11/2005 | 14:00 | MC0189 | Rinsate |
| C0191 | Subsurface Soil/ Douglas Seavey | /G | VOA (21) | 4284 (Ice Only), 4285 (Ice Only), 4286 (Ice Only) (3) | BJS-SBJ10-0405 | S: 4/13/2005 | 10:00 | MC0191 | -- |
| C0192 | Subsurface Soil/ Douglas Seavey | /G | VOA (21) | 4293 (Ice Only), 4294 (Ice Only), 4295 (Ice Only) (3) | BJS-SBJ6.5-405 | S: 4/13/2005 | 11:10 | MC0192 | -- |
| C0193 | Subsurface Soil/ Douglas Seavey | /G | VOA (21) | 4302 (Ice Only), 4303 (Ice Only), 4304 (Ice Only) (3) | BJS-SBI9-0405 | S: 4/13/2005 | 9:30 | MC0193 | -- |

| | | | |
|--|---|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: C0041, C0054 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: VOA = CLP TCL Volatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041305-0020

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34031

DAS No:

R

| | | | |
|--|--|--------------------------------|---------------------------|
| Region: 3 | Date Shipped: 4/13/2005 | Chain of Custody Record | Sampler Signature: |
| Project Code: T47121.0103 | Carrier Name: FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: 2005T03W302DD2C | Airbill: 8483 3674 4666 | 1 | |
| CERCLIS ID: WV054827944 | Shipped to: Liberty Analytical Corporation | 2 | |
| Spill ID: | 501 Madison Avenue | 3 | |
| Site Name/State: Big John Salvage CLP 34031/WV | Cary NC 27513 | 4 | |
| Project Leader: Tad Yancheski | (919) 379-4100 | | |
| Action: Remedial Investigation | | | |
| Sampling Co: Tetra Tech, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-------------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|-----------------|
| C0041 | Ground Water/ Dennis | /G | VOA (21) | 1054 (HCL), 1055 (HCL), 1056 (HCL), 1057 (HCL), 1058 (HCL), 1059 (HCL) (6) | BJ-S-MW11B-0405 | S: 4/11/2005 12:30 | MC0041 | MS/MSD |
| * C0043 | Ground Water/ Dennis | /G | VOA (21) | 1078 (HCL), 1079 (HCL) (2) | BJ-S-MW12B-0405 | S: 4/11/2005 11:10 | MC0043 | -- |
| C0044 | Ground Water/ Dennis | /G | VOA (21) | 1088 (HCL), 1089 (HCL) (2) | BJ-S-MW12C-0405 | S: 4/11/2005 10:15 | MC0044 | -- |
| C0051 | Ground Water/ Dennis | /G | VOA (21) | 1172 (HCL), 1173 (HCL) (2) | BJ-S-MW15B-0405 | S: 4/12/2005 16:15 | MC0051 | -- |
| C0052 | Ground Water/ Dennis | /G | VOA (21) | 1182 (HCL), 1183 (HCL) (2) | BJ-S-MW15C-0405 | S: 4/12/2005 17:00 | MC0052 | -- |
| C0053 | Ground Water/ Vadim Petrov | /G | VOA (21) | 1192 (HCL), 1193 (HCL) (2) | BJ-S-MW16B-0405 | S: 4/13/2005 16:10 | MC0053 | -- |
| C0054 | Ground Water/ Vadim Petrov | /G | VOA (21) | 1212 (HCL), 1213 (HCL), 1214 (HCL), 1215 (HCL), 1216 (HCL), 1217 (HCL) (6) | BJ-S-MW16C-0405 | S: 4/13/2005 14:30 | MC0054 | MS/MSD |
| C0055 | Ground Water/ Vadim Petrov | /G | VOA (21) | 1226 (HCL), 1227 (HCL) (2) | BJ-S-MW17B-0405 | S: 4/12/2005 9:40 | MC0055 | -- |
| C0056 | Ground Water/ Vadim Petrov | /G | VOA (21) | 1236 (HCL), 1237 (HCL) (2) | BJ-S-MW17C-0405 | S: 4/12/2005 9:00 | MC0056 | -- |
| x C0057 | Ground Water/ Dennis Anderson | /G | VOA (21) | 1246 (HCL), 1247 (HCL) (2) | BJ-S-MW18-0405 | S: 4/12/2005 12:15 | MC0057 | Field Duplicate |

| | | | |
|--|---|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: C0041, C0054 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: VOA = CLP TCL Volatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 3-035066262-041305-0020

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F2V91.047 Page 3 of 5

118665
 4/13/05



**USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record**

Case No: 34031

DAS No:

SDG No:

CO066, CO062

26

| | | | | | |
|--|--------------------------------|--------------------|---------------------------------------|-------------------------|-----------------------------------|
| Date Shipped: 4/12/2005 Carrier Name: FedEx Airbill: 8483 3674 4519 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record | | Sampler Signature: <i>[Signature]</i> | For Lab Use Only | |
| | Relinquished By | (Date / Time) | Received By | (Date / Time) | Lab Contract No: <i>168W03021</i> |
| | 1 <i>[Signature]</i> | <i>12APR 10:00</i> | <i>[Signature]</i> | <i>4-15-05 10:00</i> | Unit Price: <i>457</i> |
| | 2 | | | | Transfer To: |
| | 3 | | | | Lab Contract No: |
| 4 | | | | Unit Price: | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|--------------------|------------------------------------|------------|----------------------|---|------------------|--------------------------|----------------------|--|
| C0066 | Subsurface Soil/ Douglas Seavey | L/G | VOA (21) | 1331 (Ice Only), 1332 (Ice Only), 1333 (Ice Only) (3) | BJS-SBD5-0405 | S: 4/12/2005 11:40 | MC0066 | <i>[Handwritten notes and signature]</i> |
| C0086 | Subsurface Soil/ Douglas Seavey | L/G | VOA (21) | 1511 (Ice Only), 1512 (Ice Only), 1513 (Ice Only) (3) | BJS-SBH3-0405 | S: 4/12/2005 10:30 | MC0086 | |
| C0092 | Subsurface Soil/ Douglas Seavey | L/G | VOA (21) | 1565 (Ice Only), 1566 (Ice Only), 1567 (Ice Only) (3) | BJS-SBI3-0405 | S: 4/12/2005 11:00 | MC0092 | |
| C0094 | Subsurface Soil/ Douglas Seavey | L/G | VOA (21) | 1583 (Ice Only), 1584 (Ice Only), 1585 (Ice Only) (3) | BJS-SBI5-0405 | S: 4/12/2005 8:10 | MC0094 | |
| C0084 | Subsurface Soil/ Douglas Seavey | L/G | VOA (21) | 1763 (Ice Only), 1764 (Ice Only), 1765 (Ice Only) (3) | BJS-SBM2-0405 | S: 4/12/2005 8:00 | MC0084 | |
| C00C2 | Subsurface Soil/ Douglas Seavey | L/G | VOA (21) | 1835 (Ice Only), 1836 (Ice Only), 1837 (Ice Only) (3) | BJS-SBN4-0405 | S: 4/12/2005 9:20 | MC00C2 | |
| C00C9 | Subsurface Soil/ Douglas Seavey | L/G | VOA (21) | 1898 (Ice Only), 1899 (Ice Only), 1900 (Ice Only) (3) | BJS-SBP6-0405 | S: 4/12/2005 10:30 | MC00C9 | |
| C00D0 | Subsurface Soil/ Douglas Seavey | L/G | VOA (21) | 1907 (Ice Only), 1908 (Ice Only), 1909 (Ice Only) (3) | BJS-SBP7-0405 | S: 4/12/2005 12:10 | MC00D0 | |
| * C0190 | Field QC/ Denris Anderson | L/G | VOA (21) | 4266 (HCL), 4267 (HCL) (2) | BJS-TB10-0405 | S: 4/12/2005 7:00 | MC00C9 | |

Temp Blank

COPY ORIGINAL DOCUMENTS INCLUDED IN CSF. *CO0B3*

SIGNATURE *[Signature]* DATE *4-25-05*

| | | | | |
|--|--|--|--|--|
| Shipment for Case Complete? <input type="checkbox"/> N | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): <i>Dennis Anderson</i> | Cooler Temperature Upon Receipt: <i>3.6</i> | Chain of Custody Seal Number: |
| Analysis Key: VOA = CLP TCL Volatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Custody Seal Intact? <input checked="" type="checkbox"/> | Shipment Iced? <input checked="" type="checkbox"/> |

Rec'd CO0C3 VOA not on COC. HAC - 4-13-05

TR Number: 3-035066262-041205-0019

LABORATORY COPY



**USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record**

Case No: 34031 : *CO062*
DAS No: *CO168*
SDG No: *L*

| | | | | | |
|--|--------------------------------|-------------------------------------|---|----------------------------------|---------------|
| Date Shipped: 4/11/2005 Carrier Name: FedEx Airbill: 8421 2820 5067 Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100 | Chain of Custody Record | | Sampler Signature: <i>Tad Yancheski</i> | For Lab Use Only | |
| | Relinquished By | (Date / Time) | Received By | | (Date / Time) |
| | 1 | <i>Tad Yancheski</i> 4-11-2005 1700 | <i>John Purdie</i> | | 4/12/05 900 |
| | 2 | | | | |
| | 3 | | | | |
| | 4 | | | | |
| | | | | Lab Contract No: <i>68W23221</i> | |
| | | | | Unit Price: <i>457</i> | |
| | | | | Transfer To: _____ | |
| | | | | Lab Contract No: _____ | |
| | | | | Unit Price: _____ | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No/ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|--------------------|-----------------------------|------------|----------------------|---|-------------------|--------------------------|----------------------|--|
| C0178 | Sediment/ Tad Yancheski | L/G | VOA (21) | 4002 (Ice Only), 4003 (Ice Only), 4004 (Ice Only) (3) | BJS-SDMON7Y3-0405 | S: 4/11/2005 13:50 | MC0178 | <i>Good</i> |
| C0179 | Sediment/ Tad Yancheski | L/G | VOA (21) | 4010 (Ice Only), 4011 (Ice Only), 4012 (Ice Only) (3) | BJS-SDMON7Z1-0405 | S: 4/11/2005 14:30 | MC0179 | |
| C0180 | Sediment/ Tad Yancheski | L/G | VOA (21) | 4018 (Ice Only), 4019 (Ice Only), 4020 (Ice Only) (3) | BJS-SDMON7Z2-0405 | S: 4/11/2005 14:40 | MC0180 | |
| C0181 | Sediment/ Tad Yancheski | L/G | VOA (21) | 4028 (Ice Only), 4027 (Ice Only), 4028 (Ice Only) (3) | BJS-SDMON7Z3-0405 | S: 4/11/2005 14:50 | MC0181 | |
| C0185 | Field QC/ Douglas Seavey | L/G | VOA (21) | 4216 (HCL), 4217 (HCL) (2) | BJS-TB10-0405 | S: 4/11/2005 7:00 | | |

COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF- *CO062*
SIGNATURE *J. Purdie* DATE 4/23/05

* All samples collected on 4/11/05 at the indicated time!

Tad Yancheski
Tad Yancheski

| | | | | |
|--|--|---|---|---|
| Shipment for Case Complete? <i>N</i> | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s): | Cooler Temperature Upon Receipt: <i>2.3</i> | Chain of Custody Seal Number: |
| Analysis Key: VOA = CLP TCL Volatiles | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Custody Seal intact? <input type="checkbox"/> | Shipment Iced? <input type="checkbox"/> |

TR Number: 3-035066262-041105-0032

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

Received 5-5-05

Big John Salvage – Case 34031 duplicate pairs

| <u>Sample s</u> | <u>Duplicates</u> |
|-----------------|------------------------------------|
| C0018 / MC0018 | C0062 / MC0062 |
| C0014 / MC0014 | C0059 / MC0059 ✓ |
| C0033 / MC0033 | C0061 / MC0061 |
| C0030 / MC0030 | C0057 / MC0057 |
| C0039 / MC0039 | C0058 / MC0058 ✓ |
| C0001 / MC0001 | C00G1 / MC00G1 |
| C0002 / MC0002 | C00G2 / MC00G2 |
| C00F9 / MC00F9 | C00G4 / MC00G4 |
| C00E7 / MC00E7 | C00G3 / MC00G3 (note the change) |
| C00B2 / MC00B2 | C00C4 / MC00C4 |
| C00A1 / MC00A1 | C00C5 / MC00C5 |
| C0093 / MC0093 | C00C6 / MC00C6 |
| C0077 / MC0077 | C00C7 / MC00C7 |
| C0182 / MC0182 | C00C8 / MC00C8 |
| C0086 / MC0086 | C00C9 / MC00C9 |
| C0066 / MC0066 | C00D0 / MC00D0 |
| C00L9 / MC00L9 | C0155 / MC0155 (BJS-SW-UT3-1-0405) |
| C0111 / MC0111 | C0135 / MC0135 (BJS-SW-UT3-2-0405) |
| C0112 / MC0112 | C0156 / MC0156 (BJS-SW-UT3-3-0405) |
| C00L1 / MC00L1 | C0153 / MC0153 |
| C0104 / MC0104 | C0134 / MC0134 |
| C0105 / MC0105 | C0154 / MC0154 |

U.S EPA Region III Analytical Request Form

| | | | |
|--|--|--------------------------------------|---------------------------------|
| RAS CASE #: CT3328 34031 | | DAS #: | NSF #: |
| Date: 3/7/2005 | | QAPP/SAP: YES | Data Validation Level: M3 & IM2 |
| Site: BIG JOHN SALVAGE - <i>Hoult Road</i> | | | |
| Address: 900 HOULT RD | | City: FAIRMONT | State: WV |
| Latitude: 39° 29' 54" | | Longitude: -80° 7' 12" | |
| Program: SUPERFUND | | CERCLIS#: WVD054827944 | Activity: RI/FS |
| Account #: 05T03 N302DD2C0371LA00 | | Operable Unit: | Spill ID: 0358 |
| Preparer: KYLE SWARTZWELDER | | Phone: 302-738-7551 | Fax: 302-454-5988 |
| OSC/RPM: CHRISTIAN MATTA 34523 | | Phone: 215-814-2317 | Fax: 215-814-3002 |
| Site Leader: TAD YANCHESKI | | Phone: 302-738-7551 | Fax: 302-454-5988 |
| EPA CO: JIM CLARK | | Contract Type: RACS | Prime: TT/BV |
| Analytical TAT: 14 days 14/16 | | Analytical + Validation TAT: 30 days | |
| Ship Date From: 4/3/05 | | Ship Date To: 4/15/05 | |

| Samples | Method | Parameter | Matrix |
|-----------------------------|-----------------------|-----------------------------|--------------------------|
| 46 | OLM04.3 LIBRTV | TCL - SVOCs, PEST/PCBS ONLY | SOIL 23362, 23354 |
| 132 | ILM05.3 CHEM | ICP-AES TAL+Hg+CN | SOIL 23363 |
| 86 | OLM04.3 LIBRTV | TCL | SOIL 23364 |
| 123 | OLM04.3 LIBRTV | TCL | AQ 23365 |
| 123 } 246 | ILM05.3 CEMIC | ICP-AES TAL +HG+CN | AQ 23366 |
| 123 | ILM05.3 | ICP -AES TAL +HG -DM | AQ |
| 14 | OLC03.2 A4 | TCL | AQ 23367 |
| 14 | ILM05.3 DATA | ICP-MS TAL+HG+CN | AQ 23368 |
| 114 | OLM04.3 | TCL | SEDIMENT |
| 114 | ILM05.3 | ICP-AES TAL+HG+CN | SEDIMENT |

Instruction: See Big John Salvage - Hoult Road Site Final Ri/Fs Work Plan - February 2005, Section 4.4 (Identification Of Potential Sampling Approaches And Appropriate Analytical Methods) For A Complete Listing Of All Proposed Analytical Methods.

Please Provide Electronic Data Deliverables For All Data

ORIGINAL

ORIGINAL

Appendix D
Chain-of-custody Records